

The background of the cover is a 3D-rendered landscape of jagged, dark green and black rock formations. A bright, glowing green rectangular frame is centered over the scene. The text "ANNUAL 2022 REPORT" is displayed in white, bold, sans-serif font within this frame. The numbers "20" and "22" are significantly larger than the words "ANNUAL" and "REPORT".

ANNUAL
20
22
REPORT

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Mission

- operation, management and decommissioning of nuclear installations,
- radioactive waste management and transport,
- spent fuel management and transport.

Authorisation for the performance of activities by the ME SR

On the basis of the provisions of Act No. 541/2004 Coll. on peaceful use of nuclear energy (Atomic Act) and on the amendment to certain acts, as amended, the Ministry of Economy of the Slovak Republic has authorised JAVYS, a. s., on behalf of all operators of nuclear installations, to carry out activities related to the disposal of radioactive waste and spent fuel at national level.

JAVYS, a. s. is the only company that has professionally competent personnel, appropriate technical means, facilities built for the performance of these activities and holds authorisations issued by supervisory authorities.

All activities are carried out in accordance with the approved National Policy and National Programme for the Management of Spent Nuclear Fuel and Radioactive Waste in the Slovak Republic and in accordance with the principles of EC Directive 2011/70/Euratom.



ADDRESS BY THE CHAIRMAN OF THE BOARD OF DIRECTORS AND CHIEF EXECUTIVE OFFICER

Ladies and Gentlemen,

Our Company has been through a challenging period since the pandemic was replaced in early 2022 by the conflict in Ukraine and the subsequent energy crisis. The latter has presented us with many managerial challenges and important decisions, as the external stability of the Company also depends on a solid internal set-up. The task of JAVYS is to fulfil its vision and mission while respecting the Energy Security Strategy of the Slovak Republic, the National Policy and National Programme for the Management of Spent Nuclear Fuel and Radioactive Waste in the Slovak Republic, and I am glad that in 2022, regardless of various unexpected external influences, we were able to fulfil all these tasks to the full extent, but most importantly, without any impact on the safety and continuity of our operations.

JAVYS continued unhindered in its main tasks, in particular the decommissioning of the two oldest nuclear power plants in Slovakia - A1 and V1, and continues to be able to present a positive assessment of the safety performance and the environmental impact of the operation of JAVYS nuclear installations. The results of inspections show minimum impact on the surroundings, while the dose load to the population is so low that it is indistinguishable from the natural background radiation, and all results of measurements, analyses and inspections of the supervisory authorities confirm compliance with Slovak and international legislation and high reliability of the operating technologies of the nuclear installations. All activities of the Company are

constantly monitored extremely strictly not only by Slovak, but also by international inspection bodies. In 2022, thirty-nine inspections were carried out at our sites by the Nuclear Regulatory Authority of the Slovak Republic and ten inspections were carried out by IAEA inspectors in coordination with EURATOM and NRA SR inspectors. There were no fires at our sites in 2022 and no incidents reportable to the supervisory authorities.

The decommissioning of the nuclear power plant A1, which is in the combined 3rd and 4th stage, is mainly focused on the decommissioning of two steam generators, turbochargers, including their oil management, the pipelines and section fittings of the primary circuit, the equipment for the control of coverage of fuel elements and other related equipment in the main reactor building, as well as the decommissioning of the external liquid radioactive waste tanks, the remediation of contaminated soils and underground contaminated waters. They are implemented in accordance with the schedule of planned activities approved by the supervisory authorities. The commissioning of the new radioactive waste incinerator and the radioactive metal remelting plant were important radioactive waste management activities in 2022. The completion of the environmental impact assessment process of the technological capacities for radioactive waste treatment and conditioning at the Jaslovské Bohunice site was also significant. This created conditions for the fulfilment of planned RAW and IRAW manage-

ment performances and optimal conditions for the upcoming period. In the field of spent fuel (SF) management, in addition to the standard safe transports and long-term storage, activities were carried out within the framework of the construction of new SF storage capacities at the Jaslovské Bohunice site, which are planned to be commissioned in 2023. In 2022, based on the task of the Ministry of Economy of the Slovak Republic and after mutual consultation and cooperation with the Public Health Authority of the Slovak Republic and the Ministry of Health of the Slovak Republic, JAVYS implemented a project for the collection of historical radioactive waste and gradually took over historical unused radioactive materials from state medical facilities, which had long represented a radioactive burden for Slovakia.

The decommissioning process of the V1 prematurely shut down nuclear power plant continued with the im-

plementation of dismantling works in the controlled area and the completion of parallel operations of wet fragmentation sites for fragmentation of activated components of both primary circuits. In August 2022, the last of the twelve steam generators was cut and more than 99% of the radioactive inventory from the VI NPP was safely removed according to the planned schedule. The decontamination and fragmentation lines achieve an efficiency of more than 98% and process more than 900 tonnes per year. By the end of 2022, more than 2,700 tonnes of metal waste had been released into the environment from these lines.

During 2022, a change in the organisational structure of JAVYS, a. s. was prepared with effect from 1 January 2023 with the aim of optimising and increasing the efficiency of the Company's management.

JAVYS duly fulfilled its obligations in 2022 and achieved a profit for the year. As of 31 December 2022, JAVYS, a. s. achieved a pre-tax profit of EUR 6,244,287 and an after-tax profit of EUR 3,304,984. The operating net profit was reported at EUR 9,881,495. The main activities of JAVYS, a. s. in 2022 were covered by the funds provided by the NNF, BIDSF, SIEA and by revenues and income obtained from commercial activities. The achieved profit or loss is presented in the financial statements, which have been audited by an independent auditor and are unqualified.

The address is an opportunity for me to assess the previous year with distance and perspective, but it is also an opportunity to thank all those who have contributed to the Company's continued growth and have been prepared to fight back in a challenging period. I believe that in the period ahead we will continue to keep an open mind and a rational outlook in finding solutions to difficult situations and in finding ways to fulfil our plans.

Pavol Štuller, MBA



BODIES OF THE COMPANY

The Board of Directors of JAVYS, a. s.

Chairman

Pavol Štuller, MBA

Vice-Chairman

JUDr. Vladimír Švigár

Members

Ing. Ján Horváth

Ing. Miroslav Božík, PhD.

The Supervisory Board of JAVYS, a. s.

Chairman

RNDr. Ing. Pavol Švec, CSc. from 13 May 2022

Vice-Chairman

JUDr. Eva Polerecká until 12 May 2022,

Mgr. Anna Paľovová from 13 May 2022

Members

Ing. Ján Dudášik until 11 April 2022

Mgr. Adrián Iványi until 11 April 2022

Ing. Róbert Szűcs

Ing. Martina Dopiráková from 13 May 2022

Pavol Žák from 6 June 2022

Dr.h.c.mult. prof. Ing. Jozef Živčák, PhD., MPH. from 12 September 2022

RNDr. Tibor Rapant, PhD.

Ing. Ivana Ščasnovičová, PhD.

RNDr. Roman Jakubec

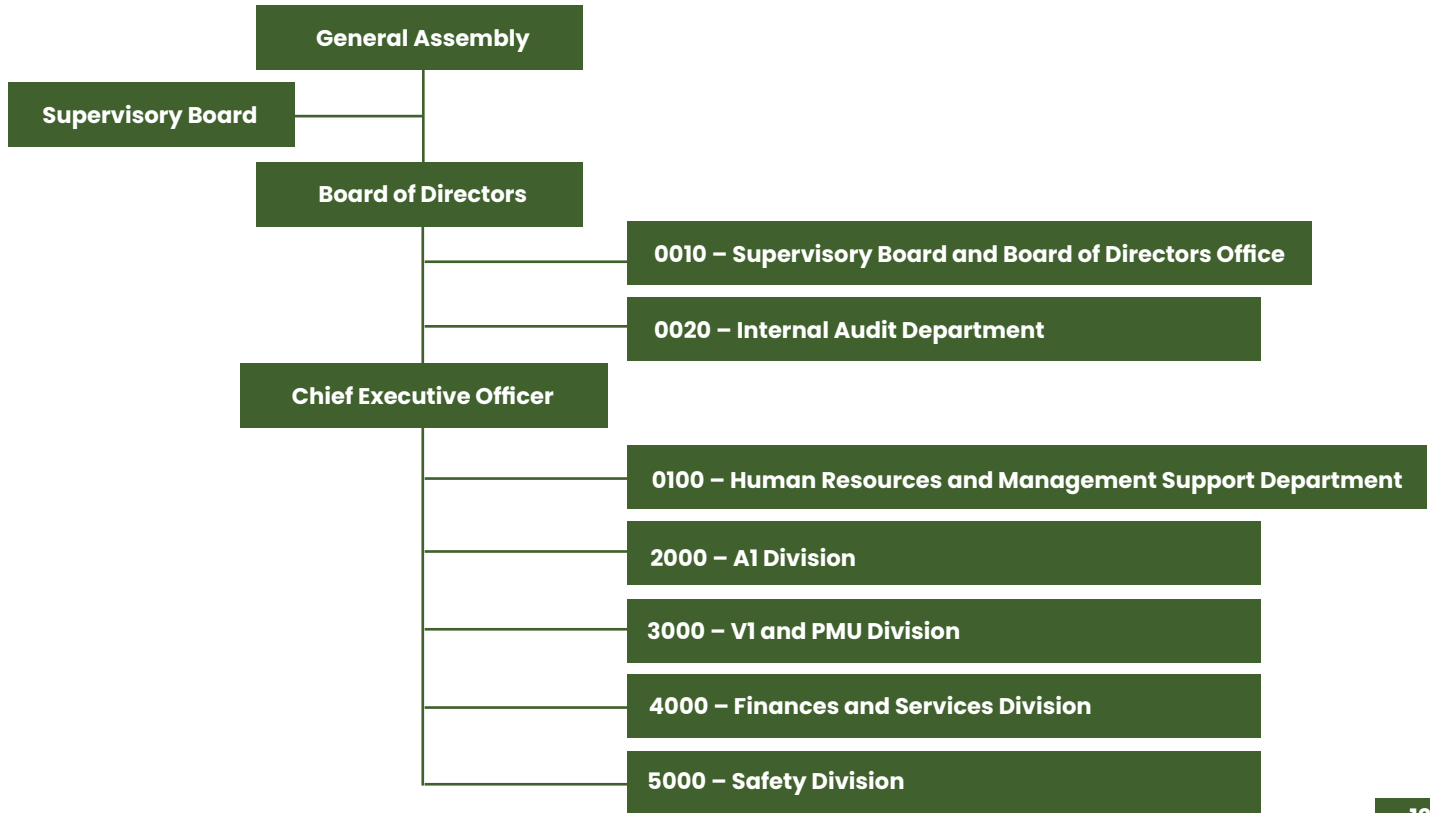
Exercise of shareholders' rights

Jadrová a vyradovacia spoločnosť, a. s. exercises shareholders' rights in Jadrová energetická spoločnosť Slovenska, a. s. in a joint venture with a foreign shareholder, in which JAVYS, a. s. owns a 51 % stake and the Czech energy group ČEZ owns 49 % of the shares in Jadrová energetická spoločnosť Slovenska, a. s. The creation of Jadrová energetická spoločnosť Slovenska, a. s. has opened up space for the preparation of the project for the construction of a new nuclear power plant and other activities in Jaslovské Bohunice, with the Company's activities being fully governed by the applicable provisions of the Commercial Code and the Articles of Association of the Company.



ORGANISATIONAL STRUCTURE AND HUMAN RESOURCES

Organisational structure



Human resources

As of 31 December 2022, JAVYS, a. s. had **775** employees, which is 43 employees less compared to the number of employees as of the same period last year.

| Employee structure | | |
|------------------------------------|------------------------|---------------|
| | as of 31 December 2022 | Share in % |
| Blue collar workers | 144 | 18.58 |
| Technical-administrative employees | 631 | 81.42 |
| Total | 775 | 100.00 |

| Employee structure by education | | |
|---------------------------------|------------------------|---------------|
| | as of 31 December 2022 | Share in % |
| Primary | 0 | 0.00 |
| Secondary | 471 | 60.77 |
| University | 304 | 39.23 |
| Total | 775 | 100.00 |



Employee training and education

Training and education of employees is an important process of development of qualified personnel for implementation of specific activities of operation and decommissioning of nuclear installations of the licence holder JAVYS, a. s. The Integrated Management System Manual defines the Policy of Training of Employees of JAVYS, a. s., where the main objective of the Company is set:

To prepare and maintain competent personnel to ensure the safe, reliable, environmentally sound and economical operation of the Company's nuclear installations in the spirit of the principles of safety culture and ALARA principles.

Jadrová a vyrad'ovacia spoločnosť, a. s. approaches the development of human resources in accordance with the planned and approved concepts for the development of education and training of employees. The process of employee education and training is planned in advance and subject to control by the supervisory authorities. It is ensured and implemented in accordance with the legislation, defined in the management documentation - the system of professional training of employees and predetermined programmes and curricula. Training programmes and the content of educational activities are regularly reviewed and updated in the light of changes in the technology of nuclear installations.

In 2022, the fulfilment of the objective was monitored by the state supervision authorities in the field of education and training of employees in accordance with Act No. 541/2004 Coll. (Atomic Act) and Decree of the NRA SR No. 52/2006 Coll. on professional competence as amended by Decree No. 34/2012 Coll. and Decree No. 410/2019 Coll. The training was carried out in accordance with the annual training schedules and the requirements of the professional departments. In the context of the operating and decommissioning authorisations for nuclear

installations, all the conditions for the professional competence of employees have been met.

The main priority of training for the performance of professional activities was the fulfilment of the requirements of Act No. 124/2006 Coll., Decree No. 508/2009 Coll. of the MLSAF SR and other legislation, aimed at the safe conduct of work activities at nuclear installations.

Motivation tools on the part of the employer and the initiative to "grow professionally" on the part of the employee lead to increasing and deepening the qualification of the Company's staff. Training, courses and seminars beyond the scope of legislation

were provided, and educational activities focused on decommissioning of nuclear installations, managerial management, lecturing skills, environment and waste management, economics, finance, controlling and reporting, radiation protection, nuclear and conventional safety, cyber security and personal data protection were carried out.

In 2022, in connection with the development of the situation with the spread of the viral disease COVID - 19, under the conditions of the adopted anti-epidemic measures, the education and training of employees was ensured so that the Company's objective was successfully fulfilled. The training was carried out in the form of video presentations, online trainings/seminars/courses. In cooperation with lecturers, lecturing was provided through pre-recorded video lectures and video presentations.

The nuclear installations of JAVYS, a. s. were operated by competent personnel who ensured safe, reliable, environmentally friendly and economical operation so that the nuclear and conventional safety of nuclear installations was not compromised.



STRATEGY AND QUALITY ASSURANCE

Strategy

The strategy of JAVYS, a. s. is to fulfil the vision and mission of the Company while respecting the Energy Security Strategy of the Slovak Republic and the National Policy and National Programme for the Management of Spent Nuclear Fuel and Radioactive Waste in the Slovak Republic, as well as important decisions of the supervisory authorities, and the implementation of the strategy of JAVYS, a. s. in 2022 was carried out in the following strategic areas:

a) RAW, SF, IRAW and RMUO management

JAVYS, a. s. implemented all planned activities related to the management of RAW, SF, IRAW and RMUO in accordance with the National Policy and National Programme for the Management of Spent Nuclear Fuel and Radioactive Waste in the Slovak Republic and the Comprehensive Programme for the Management of RAW and SF in JAVYS, a. s.

b) Decommissioning of the A1 NPP nuclear installation

The tasks related to the safe, efficient and reliable decommissioning of the A1 NPP in accordance with the Draft National Policy and National Programme for the Management of Spent Nuclear Fuel and Radioactive Waste in the Slovak Republic, the Plan for Stages III and IV of A1 NPP decommissioning and the decommissioning concept for the period after the end of the authorised phase were fulfilled within the set deadlines.

c) Decommissioning of the V1 NPP nuclear installation

Tasks related to the safe, efficient and reliable decommissioning of the V1 NPP in accordance with the NPP V1 Stage II Decommissioning Plan, the V1 NPP Decommissioning Strategy, the Detailed Decommissioning Plan and the planning documents of JAVYS, a. s., and in accordance with the Draft National Policy and National Programme for the Management of Spent Nuclear Fuel and Radioactive Waste in the Slovak Republic were fulfilled within the set deadlines.

d) Company development

JAVYS, a. s. carried out activities related to the preparation and implementation of approved investment projects and actions.

e) Finance and services

In line with the strategy of an economically stable company, EBITDA performance was ensured at the level set in the business plan and financial budget for 2022.

f) Company management

Within this area, an effective management system of JAVYS, a. s. was developed in accordance with the approved concept of the strategy for V1 NPP and A1 NPP decommissioning and the National Policy and National Programme for the Management of Spent Nuclear Fuel and Radioactive Waste in the Slovak Republic through:

- the implementation of the 1st periodic audit in accordance with the requirements of ISO 9001:2015 for the quality management system, ISO 14001:2015 for the environmental management system and ISO 45001:2018 for the occupational health and safety management system,
- the implementation of a certification audit in accordance with the requirements of ISO/IEC 27001:2013 for the information security management system,
- the training of employees for safe, reliable, ecological and economical operation of the Company's production and technological facilities in accordance with the principles of safety culture and ALARA principles, with a minimum impact of the human factor on the occurrence of operational incidents,
- the development of information technologies (innovation of security access elements and network infrastructure as well as compliance with the requirements of the Act on Cyber Security in the infrastructure of JAVYS, a. s. was ensured).

JAVYS, a. s. also built a good reputation in this area in the internal and external environment as a trustworthy institution, with an emphasis on the social significance of the Company's activities, the protection of health of the population and the environment, while the level of management of the occupational health and safety system was also increased and permanently improved with the aim of limiting potential health hazards due to the impact of technological processes, technical equipment, people's activities and the working environment.

g) International commercial activities

JAVYS, a. s. continued to win new contracts in 2022 in consulting projects for decommissioning of nuclear installations and management of RAW and IRAW.



QUALITY ASSURANCE

In 2022, JAVYS, a. s. maintained its certificates according to **ISO 9001:2015** for the quality management system, **ISO 14001:2015** for the environmental management system and **ISO 45001:2018** for the occupational health and safety management system as part of the 1st periodic audit. The certificates are **valid until 10 February 2025** for the focus area *“Decommissioning of nuclear installations and management of radioactive waste, institutional radioactive waste, radioactive materials of unknown origin and spent fuel”*.

In 2022, JAVYS, a. s. also passed a certification audit according to **ISO/IEC 27001:2013** for the information security management system. That certificate is **valid until 24 July 2025** for the focus area *“Management of systems for the decommissioning of nuclear installations and for the management of radioactive waste, institutional radioactive waste, radioactive material of unknown origin and spent fuel in accordance with the Statement of Applicability, ver. 02, issued 2022/06/13”*.

The long-term goal of JAVYS, a. s. is to present itself as a trustworthy company that carries out activities related to the decommissioning of nuclear installations and the management of radioactive waste, institutional radioactive waste, radioactive material of unknown origin and spent fuel at a high-quality level, with maximum emphasis on safety, protection of health of employees and inhabitants of the region, as well as the protection of the environment. Achieving or maintaining certification also shows that the Company is functioning, carrying out its mission within internationally recognised standards and is safely managed.

5



YEAR AT A GLANCE



31 January

Based on the task of the Ministry of Economy of the Slovak Republic and after mutual consultation and cooperation with the Public Health Authority of the Slovak Republic and the Ministry of Health of the Slovak Republic, JAVYS a. s. started implementing a project for the collection of historical radioactive waste and gradually took over historical unused radioactive materials from state medical facilities, which had long represented a radioactive burden. Subsequently, they were professionally, safely, reliably, cost-effectively, with emphasis on radiation protection of the population and protection of the environment, processed and disposed.

3 February

Slovak and Czech experts, by signing a memorandum, intensified their cooperation in the field of addressing the issues of lifetime of nuclear installations and reducing waste volumes in nuclear power plants, using, among other things, knowledge of JAVYS from the decommissioning processes of nuclear installations in Slovakia. The Memorandum of Cooperation was signed by the top representatives of JAVYS, a. s. and ČEZ on 3 February 2022.

31 March

JAVYS, a. s. completed the fragmentation of the second reactor pressure vessel (RPV) at V1 Nuclear Power Plant. The challenging work on the unique operation took eleven months. During this time, the vessel, weighing more than 200 tonnes, 12 metres high and 4 metres wide, was cut into 116 fragments.

16 – 20 May

Jadrová a vyradovacia spoločnosť, a. s., in cooperation with the International Atomic Energy Agency (IAEA), organised under the auspices of the IAEA/JAVYS Collaborative Centre, an international workshop aimed at sharing the experience gained from the implementation of decommissioning projects for water-cooled and water-moderated energetic reactors (VVERs).

7 June

The Austrian Ambassador to Slovakia, Margit Bruck-Friedrich, visited the National Radioactive Waste Repository in Mochovce with a delegation. Accompanied by representatives of the Nuclear Regulatory Authority of the Slovak Republic and the management of JAVYS, a. s., they toured the second double-row for the storage of fibre-concrete containers, inspected the repository for the storage of very low-level ra-

dioactive waste, the IRAW and CRM storage facilities.

18 – 19 May and 27 – 30 June

During the certification audit, auditors from the certification company DNV Business Assurance Slovakia, s. r. o. verified compliance with the requirements of the ISO/IEC 27001:2013 standard for the information security management system. JAVYS, a. s. became a holder of a certificate according to the above-mentioned standard.

25 August

The cutting of the last steam generator (PG 64) in the shut down VI Nuclear Power Plant in Jaslovské Bohunice was completed. Fragmentation of all twelve steam generators took thirty-three months.

16 September

Maroš Šefčovič, Vice-President of the European Commission for Interin-

stitutional Relations and Foresight, and his team visited JAVYS and JESS in Jaslovské Bohunice. The delegation toured the turbine hall of the VI Nuclear Power Plant in Jaslovské Bohunice, the decommissioning of which was co-financed from European funds, followed by a tour of the Interim Spent Fuel Storage Facility and the construction of a new, more modern, so-called dry part of the Spent Fuel Storage Facility.

20 – 21 September

The 4th year of the largest professional innovation and technology conference and trade fair in Slovakia, Slovakiatech EXPO 2022, was held in Kulturpark in Košice, where JAVYS was one of the main partners to support the idea of “Technology Supporting Humanity” and the advancement of Slovakia in the field of new technologies and innovations, which are our future.

21 September

Regular all-area emergency exercise "HRAB 2022" with simulation of several emergencies took place in the premises of JAVYS in Jaslovské Bohunice. The aim of the exercise was to verify the procedures for classification, localisation and elimination of simulated events at nuclear installations, functionality of the internal warning and notification system, communication between all involved units and communication units of JAVYS and NRA SR, verification of time limits, functionality of technical means and evacuation of persons. There were 674 participants.

13 October

On 10 - 14 October 2022, the Nuclear Regulatory Authority of the Slovak Republic hosted a scientific visit of experts from the Lithuanian State Nuclear Power Safety Inspectorate (VA-TESI) organised within the framework

of the Lithuanian national project under the Technical Cooperation Programme of the International Atomic Energy Agency. On 13 October 2022, Lithuanian experts visited JAVYS, a. s., where they inspected the turbine hall and the decommissioning activities carried out in the controlled area of the VI NPP - the workplaces in the reactor hall and the dry fragmentation of steam generators.

8 - 10 November

During the 1st periodic audit of the IMS, auditors from the certification company DNV Business Assurance Slovakia, s. r. o. verified compliance with the requirements of ISO 9001:2015 for the quality management system, ISO 14001:2015 for the environmental management system and ISO 45001:2018 for the occupational health and safety management system. JAVYS, a. s. has maintained its certificates according to the above standards.

6 December

On 6 December 2022, JAVYS, a. s. officially put into operation the newly built information centre of the A1 Nuclear Power Plant (A1 NPP) in Jaslovské Bohunice. The premises of the newly built information centre of the A1 NPP are available to visitors and employees of JAVYS, a. s.

25 December

JAVYS, a. s. commemorated the fiftieth anniversary of the first controlled chain reaction in the reactor of the A1 Nuclear Power Plant in Jaslovské Bohunice on 25 December 1972. The construction and start-up of the A1 NPP was associated with a great challenge for the then Czechoslovak industry. Construction of the nuclear power plant began in 1958 and it was commissioned in 1972. The A1 NPP was conceived as an experimental plant and was intended to verify the possibilities of using natural uranium reactors for power generation.

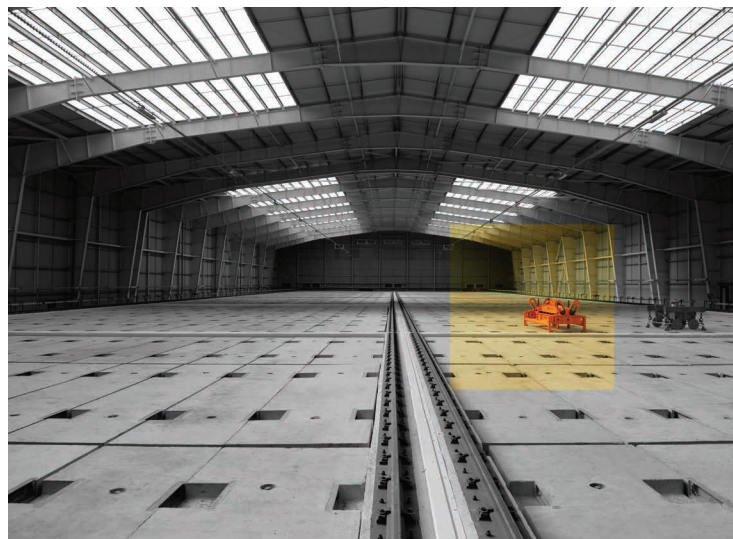
The intention of the construction was based on the advanced base of the engineering and metallurgical industry in Czechoslovakia.

2022

As part of the decommissioning process of the A1 and V1 Nuclear Power Plants, JAVYS, a. s. returned 1,932 tonnes of metal waste from decommissioned material to the recycling process in 2022.

JAVYS, a. s. carried out four transports of spent fuel from the V2 Nuclear Power Plant in Jaslovské Bohunice and one transport of SF from the Nuclear Power Plant in Mochovce to the Interim Spent Fuel Storage Facility in Jaslovské Bohunice. In addition, JAVYS, a. s. ensured the activities of the technical and emergency group in the execution of five transports of fresh nuclear fuel from the producer of FNF for the operating units of the nuclear power plants of SE, a. s.

JAVYS carried out nine captures of radioactive materials of unknown origin and ten collections of historical radioactive materials in Slovakia.





DECOMMISSIONING OF NUCLEAR INSTALLATIONS

V1 NPP decommissioning

The objective of V1 NPP decommissioning is to achieve the exclusion of the nuclear installation from the scope of the Atomic Act through the dismantling of equipment, demolition of buildings, management of waste from V1 NPP decommissioning, subsequent treatment and safe disposal of radioactive waste (RAW) in the National RAW Repository in Mochovce, or their safe storage in the Integral RAW Storage Facility in Jaslovské Bohunice. The V1 NPP site will be released for further industrial use after decommissioning is completed.

On 23 December 2014, the Nuclear Regulatory Authority (NRA) of the SR issued Decision No. 900/2014, on the basis of which the implementation of the second stage of decommissioning of the V1 NPP started in 2015. It also included an authorisation for the management of RAW and an authorisation for the management of nuclear materials at the V1 NPP.

The decommissioning of the nuclear power plant in Jaslovské Bohunice, two units of the V1 NPP, is planned through partial projects in two stages from 20 July 2011 to 31 December 2027.

During 2021, the original decommissioning completion date was revised from 31 December 2025. After the analysis of the critical path of V1 NPP decommissioning, determination of the causes of deviations from the original decommissioning plan, evaluation of options for further procedures, risks, adoption of measures, the date of decommissioning completion in December 2027 was adopted with the consent of all concerned parties (i.e. the European Commission, the Ministry of Economy of the Slovak Republic, the Slovak Innovation and Energy Agency, the European Bank for Reconstruction and Development). However, the achievement of this deadline is conditional on the achievement of the deadlines set in the revised critical path for decommissioning and the timely procurement of project D4.7.01 *“Decontamination and demolition of V1 NPP buildings and site reinstatement”*.

During 2022, the implementation of V1 NPP decommissioning activities continued in accordance with the Plan for Stage 2 of Decommissioning and in accordance with the decision of the NRA SR for Stage 2 of V1 NPP decommissioning.



Main V1 NPP decommissioning activities in 2022

- securing and disconnecting systems,
- implementation of projects:
 - support surveys for the needs of V1 NPP decommissioning,
 - dismantling of unnecessary equipment and systems in the controlled area of the V1 NPP,
 - dismantling and fragmentation of equipment and large-scale components of the primary circuit of both V1 NPP units,
 - modifications to the plant and modifications to equipment and systems used in the V1 NPP decommissioning,
- management of radioactive, conventional and hazardous waste,
- preparation of technical and procurement documentation for the V1 NPP Stage 2 decommissioning projects.

In 2022, the implementation of the key project of VI NPP decommissioning D4.2 *“Dismantling of large-scale primary circuit components”* continued; its main objective is the dismantling of contaminated and activated equipment (reactor pressure vessels of both units, reactor internals, steam generators, main circulation pumps, main shut-off valves, primary circuit piping and other primary circuit technological components) and lining in the controlled area of the main reactor building of VI NPP.

The implementation was mainly focused on the continued operation of the dismantling, fragmentation and decontamination workplaces at the VI NPP.

Since June 2019, which was the start of operation of the fragmentation and decontamination lines at the VI NPP, 3,032 t of metal contaminated material has been processed, including 1,029 t in 2022. After de-

contamination, a total of 2,833 t of recoverable materials have been released into the environment, of which 930 t in 2022.

In 2022, the dismantling and fragmentation of several major components, such as the reactor pressure vessel of Unit 2, the reactor internals, and the active water treatment plant on both units, was completed. Fragmentation of the last, twelfth steam generator was completed in August 2022. After the partial demobilisation of the dry cutting site, these areas were prepared for the decontamination and treatment of concrete blocks generated during the preparation of the transport routes for the transport of steam generators and during the construction of the wet cutting pools. The RH waste repository (mogilnik) and the lining of the refuelling and storage pools were also completely dismantled and fragmented. The removal of activated/contaminated concrete

in the reactor shafts as well as the dismantling of the confinement lining continued. The contractor commenced work on the gradual dismantling of the installed workstations and equipment for fragmentation, packaging and transportation of components.

In parallel with this project, the project D4.1 *“Modification of the power plant and installation of new equipment”* was successfully implemented and completed in July 2022. Its scope included making the necessary modifications to the reactor building and auxiliary service building for decommissioning needs and removing the dependence of the Interim Spent Fuel Storage Facility on the decommissioned VI NPP by building replacement facilities. In September 2022, the C7-A4 project *“Metal RAW Remelting Facility”* was successfully completed. The above new workplace in Bohunice

supplemented the set of radioactive waste treatment and conditioning technologies (RAW TCT nuclear installation) with another RAW management method.

During 2022, the implementation of the project D4.4C.01 *“Dismantling of systems in the controlled area - Part 2, subproject D4.4C.01”* continued.

In parallel with the dismantling activities, the challenging process of managing the generated radioactive waste, its transportation and the release of materials meeting the criteria for release into the environment continued without interruption.

Processing of periodic documents

In connection with the management of the V1 NPP decommissioning project according to the requirements of the European Union and in accordance with Council Regulation (EURATOM) No. 1368/2013 of 13 December 2013 and the new Council Regulation (EURATOM) No. 2021/100

of 25 January 2021, which replaces the original Regulation, JAVYS, a. s. prepared the following periodic documents in the course of 2022:

Monitoring reports for the Bohunice Programme (evaluation period 7 - 12/2021 and 1 - 6/2022)

Since 2015, regular bi-annual monitoring reports have been prepared to evaluate the progress of V1 NPP decommissioning over the monitoring period. These documents are used by the Monitoring Committee to compare the planned objectives of the Detailed Decommissioning Plan (DDP) and the corresponding work plan with the results achieved during the monitoring period.

Work Plan for the Bohunice Programme (2023 and 2024)

The document set targets, projected data for the calculation of V1 NPP decommissioning performance in-

dicators and a timetable for the disbursement of funds for the calendar years 2023 and 2024. The document will serve as a basis for the European Commission to monitor the progress of V1 NPP decommissioning for the relevant calendar years.

Monitoring and audit

Regular visits by representatives of the European Commission to monitor progress in V1 NPP decommissioning took place in April and September 2022. Due to the relaxed measures related to COVID 19, it was possible to carry out the autumn monitoring mission again in a standard way with the personal participation of representatives of the European Commission, EBRD, SIEA and ME SR at the Bohunice site. Neither the European Commission nor the EBRD conducted any audit at JAVYS, a. s. in 2022.

Bohunice Programme

The V1 NPP decommissioning activities are co-financed by the programme for the provision of EU financial support for decommissioning measures of V1 NPP through the Bohunice International Decommissioning Support Fund (BIDSF). The funds from the BIDSF for the implementation of individual V1 NPP decommissioning projects are drawn on the basis of grant agreements concluded between JAVYS, a. s. and the European Bank for Reconstruction and Development (EBRD). The actual signing of the agreements is preceded by the preparation of documentation for individual projects, when JAVYS, a. s., as a beneficiary of assistance from the BIDSF, first identifies individual projects, proposes the method of their technical implementation and financing, presents them to the Joint Committee of the Slovak Republic and the EBRD, and finally defends them

through the Programme Coordinator (the ME SR) at the meeting of the Assembly of Contributors of the BIDSF, which is held twice a year. By the end of 2022, JAVYS, a. s. had eighteen grant agreements signed with the EBRD for the financing of V1 NPP decommissioning projects in the total amount of EUR 483.4 million.

In August 2016, the Slovak Innovation and Energy Agency (SIEA), the national implementing body for V1 NPP decommissioning, started its activities. The SIEA represents a parallel funding route for V1 NPP decommissioning projects from the European Union (EU) in addition to funding through the EBRD implementing body (BIDSF). EU funding for the Bohunice Programme has been distributed between the two implementing bodies since 2016. By the end of 2022, JAVYS, a. s. had two grant agreements signed with the SIEA in the total amount of EUR 185.7

million. Specifically, this was for projects D4.4C.01 *“Dismantling of systems in the controlled area of the V1 NPP – Part 2, subproject D4.4C.01”* and D4.7.01 *“Decontamination and demolition of V1 NPP buildings and site reinstatement, subproject D4.7.01”*.

An additional allocation of EUR 55 million for the Bohunice Programme is approved from EU sources under the Multiannual Financial Framework 2021-2027, conditional on a fifty percent co-financing from Slovak sources. The total estimated cost of V1 NPP decommissioning is EUR 1,220 million, with EU funding to cover an amount of EUR 735 million.

Projects awarded an EU grant in 2022

- Project D4.2-R “Radioactive waste treatment and transport to the repository by the beneficiary (exclusively related to D4.2)”
- Project D0 “Implementation of

the decommissioning programme using the human resources available at Bohunice V1 NPP” (for the year 2023),

Contracts concluded for BIDSF projects in 2022

No contract with a contractor was concluded during 2022.

Projects under implementation during 2022

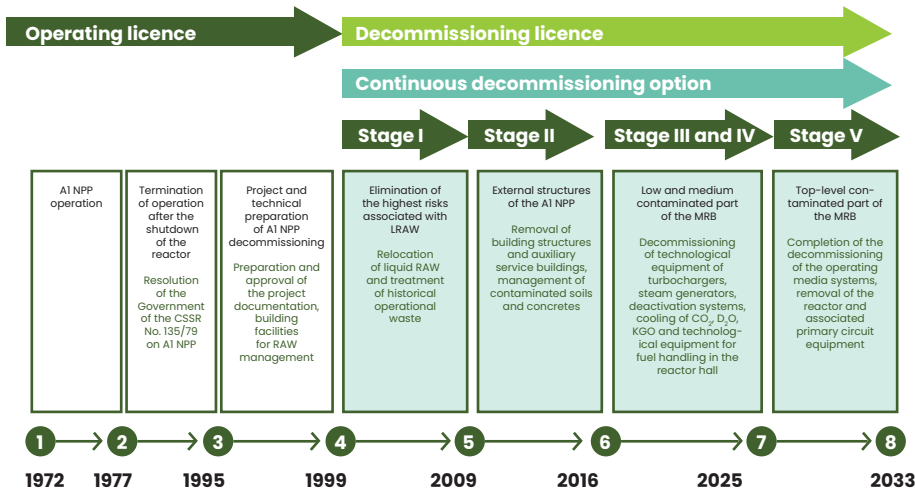
| Project code | Project name | Course of implementation |
|--------------|--|--------------------------|
| A1.11 | PMU consultant (Stage II) | 06/2021 – 06/2023 |
| B6.6A | Decommissioning support surveys | 03/2017 – 12/2023 |
| C7 – A4 | Metallic RAW remelting facility | 09/2016 – 09/2022 |
| D0 | Implementation of the decommissioning programme using the human resources available at Bohunice V1 NPP | 01/2022 – 12/2022 |
| D4.1 | Modification of the power plant and installation of new equipment | 02/2017 – 07/2022 |
| D4.2 | Dismantling of large-scale primary circuit components | 10/2017 – 06/2024 |
| D4.4C.01 | Dismantling of systems in the controlled area of the V1 NPP – Part 2, subproject D4.4C.01 | 08/2019 – 02/2025 |

As of 31 December 2022, a total of 66 V1 NPP decommissioning projects were completed, 6 projects were under implementation and project D4.7.01 was under procurement.

A1 NPP decommissioning

A1 NPP decommissioning is executed in accordance with the EIA process and the National Policy and National Programme for the Management of Spent Nuclear Fuel and Radioactive Waste in the Slovak Republic. It is divided into five continuously successive stages, with the planned completion of Stage V of A1 NPP decommissioning in 2033. The implementation of Stage I of the A1 NPP decommissioning started in 1999 and was completed in 2009. In 2009, A1 NPP decommissioning Stage II started, which, based on the achievement of all the objectives set out in the licensing documentation approved by the central government authorities, was completed as of 30 September 2016. On the basis of the licences issued by the Nuclear Regulatory Authority of the Slovak Republic and the Public Health Authority of the Slovak Republic, A1 NPP decommissioning Stages III and IV started on 1 October 2016 as a follow-up to completed Stage II, in compliance with the documentation assessed and approved by the central government authorities.

A1 NPP decommissioning timeline



The subject of the ongoing Stages III and IV of A1 NPP decommissioning is defined by the central government authorities in the assessed and approved document Plan of Stage III and Stage IV of A1 NPP Decommissioning and its main activities in the main reactor building are vitrification of chrompik with activity of 10^{11} Bq/dm³ which was originally used as a cooling medium for A1 SF, disposal of radiologically significantly contaminated casings originating from the process for long-term storage of A1 SF, the dismantling of the primary circuit technological equipment and section valves, the PG3 and PG4 steam generators, the turbochargers, the heavy water management and downstream technological equipment for the above technological systems, as well as the equipment installed for the preparation of spent fuel for transport to the Russian Federation. In the external structures of the A1 NPP, the activities

in these ongoing stages are mainly focused on dismantling of technological equipment and building structures of the gas management structures, the liquid RAW storage facility, the solid RAW storage facility, remediation and sorting of contaminated soils, and monitoring and remediation of groundwater and groundwater seepage. At the same time as the above activities, an integral part of the decommissioning process, which is management of the produced RAW, is continuously taking place.

In accordance with the objectives of Stages III and IV of A1 NPP decommissioning, the following activities were mainly carried out in 2022:

- fragmentation of 35 pieces of casings originating from the long-term storage process of A1 NPP SF, which remained in the Slovak Republic after the A1 NPP SF had been

shipped to the RF,

- vitrification of 0.6 m³ of chrompik III medium, used as a coolant in SF casings for long-term storage,
- treatment of 4.9 m³ of sludge phases and drainage water from the MRB on the SUZA line (mobile fixation equipment), with the formation of 95 pcs of 200 l drums of fixed product,
- treatment of 8.8 m³ of sludge from the tanks of outdoor facilities on the ZFK (sludge fixation plant), with the creation of 72 pcs of 200 l drums of fixed product,
- continuation of dismantling activities of primary circuit technological equipment, D₂O management, CO₂ system technological equipment, technological equipment located in the reactor hall, technological equipment related to the former hot cell, technological equipment of service and storage areas and unnecessary HVAC systems,

- continuation of dismantling activities of technological equipment of the primary circuit cooling system, equipment in the emergency condenser box and equipment of steam generators PG3 and PG4 in the connecting turbine hall,
- decontamination of the austenitic lining of tanks N1/2 and N1/3 of the liquid RAW storage facility, removal of the ceiling and austenitic lining of tank N1/4,
- decontamination of building structural parts in external structures,
- remediation, monitoring and sorting of contaminated soils and concrete, monitoring and remediation of groundwater and groundwater seepage.

At the same time, in 2022, the preparation of Stage V of A1 NPP decommissioning was underway by radiation and inventory characterization of the technological equipment and premises planned for decommissioning during Stage V, as well as the preparation of documentation for the EIA process and other documentation necessary for the issuance of the licence for Stage V by the central government authorities of the SR.

In the area of A1 NPP decommissioning, JAVYS, a. s. fulfilled the planned targets for 2022 based on the schedule of activities defined in the document Plan of Stage III and Stage IV of A1 NPP Decommissioning, thus creating optimal conditions for smooth continuation of the continuous decommissioning process of A1 NPP in the next period.



RADIOACTIVE WASTE MANAGEMENT

All activities within the radioactive waste (RAW) management processes were carried out in the following nuclear installations in compliance with the conditions of nuclear safety, radiation protection, occupational health and safety, fire protection and environmental protection:

- RAW TCT – RAW Treatment and Conditioning Technology in Jaslovské Bohunice,
- LRW FTF – Liquid RAW Final Treatment Facility in Mochovce,
- NRWR – National RAW Repository in Mochovce,
- IRAWs – Integral RAW Storage Facility.

RAW treatment and conditioning

The execution of the decommissioning process of the A1 and V1 NPPs in the scope of RAW management from the decommissioning of these nuclear installations, the management of RAW from the operated units of the V2 NPP, EMO 1,2 and EMO 3 of Slovenské elektrárne, a. s., as well as the management of RAW from non-nuclear facilities is a key task for the operation of the nuclear installations RAW Treatment and Conditioning Technology in Jaslovské Bohunice and Liquid RAW Final Treatment Facility in Mochovce. The RAW TCT nuclear installation consists of the Bohunice RAW Treatment Centre (BSC), a low-level water treatment plant, radioactive waste sorting workplaces, workplaces for fragmentation and decontamination of metallic radioac-



tive materials, workplaces for the treatment of used air-conditioning filters and used electrical cables. The LRW FTF nuclear installation operates facilities for the treatment of radioactive concentrates and saturated ion exchangers from the EMO 1,2 operation. The low-level radioactive waste is subsequently loaded and conditioned by cementation in fibre-concrete containers at the RAW TCT and LRW FTF nuclear installations and transported to the National RAW Repository of JAVYS, a. s. in Mochovce. In 2022, 284 and 86 fibre-concrete containers with low-activity RAW were conditioned in this way at the RAW TCT and LRW FTF, respectively.

Overview of the amount of treated and conditioned RAW in 2022

| Nuclear installation | RAW type (units) | Quantities treated |
|----------------------|--|--------------------|
| RAW TCT | Combustible solid RAW (t) | 227.9 |
| | Combustible liquid RAW (m ³) | 39.3 |
| | Compactible RAW (t) | 571.4 |
| | Metallic RAW (t) | 402.0 |
| | Liquid RAW (m ³) | 302.1 |
| | Used air-conditioning filters (t) | 15.0 |
| LRW FTF | Liquid RAW (m ³) | 99.0 |
| | Solid RAW (m ³) | 61.4 |

RAW transportation

During 2022, 991 shipments of radioactive materials in certified shipping packages were made: 200 l Meva drum, ISO container, shipping containers PKIII/drums, PK/SK, PK/SK 2, TK 080, TK 150, TK210 and FCC.

RAW disposal

The National RAW Repository in Mochovce is a nuclear installation for the final disposal of conditioned low-level radioactive waste (LLW) and very low-level radioactive waste (VLLW) from the operation and decommissioning of nuclear installations, institutional RAW and RMUO in the territory of the SR.

Fibre-concrete containers filled with conditioned low-activity RAW after maturation and subsequent transport from the RAW TCT and LRW FTF nuclear installations are finally placed in the storage boxes of the operated double-rows of the repository. During 2022, 392 fibre-concrete containers with low-activity RAW were placed in the second double-row of the storage boxes.

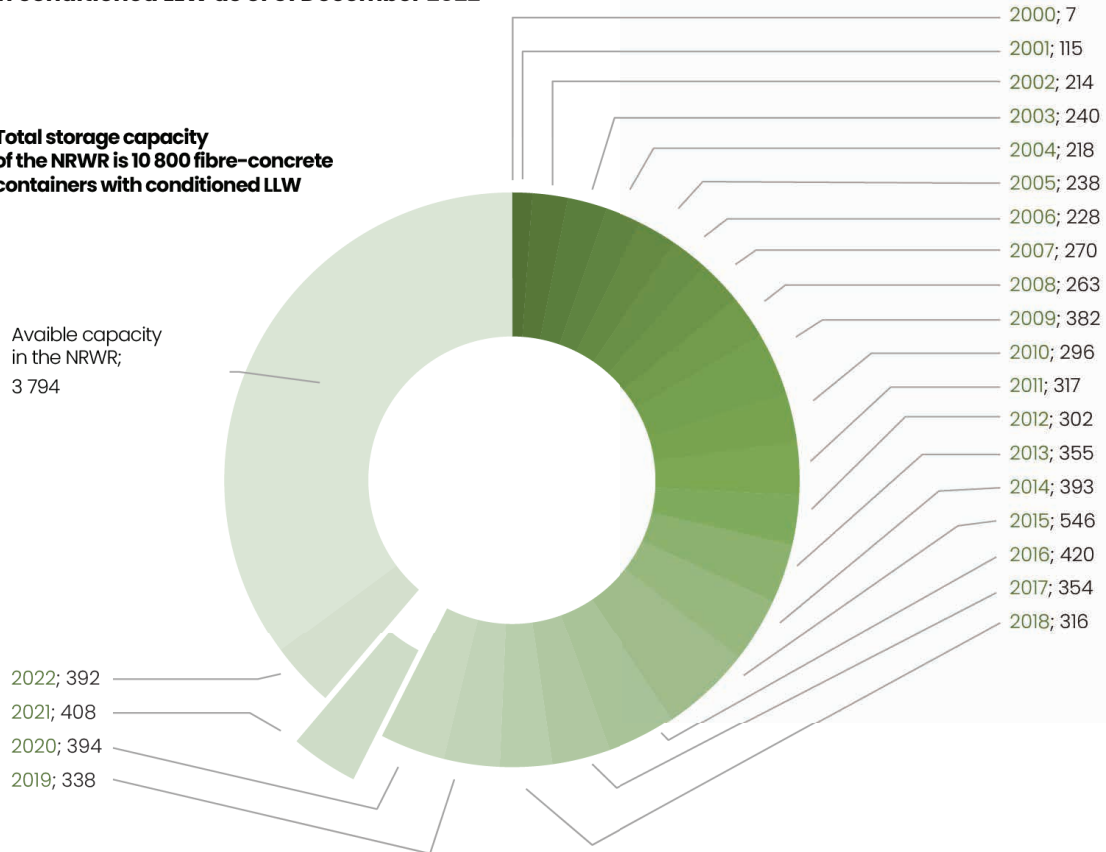
Overview of disposal of FCCs with LLW and VLLW in the NRWR in 2022

| Disposal of FCCs with LLW in the NRWR (pcs) | | Total number of disposed FCCs with LLW in the NRWR (pcs) | Total amount of disposed VLLW in the NRWR (m ³) |
|---|---------|--|---|
| RAW TCT | RAW TCT | | |
| 304 | 88 | 392 | 4 314,12 |

Overview of the filling of the storage capacity of the NRWR by disposing FCCs with conditioned LLW as of 31 December 2022

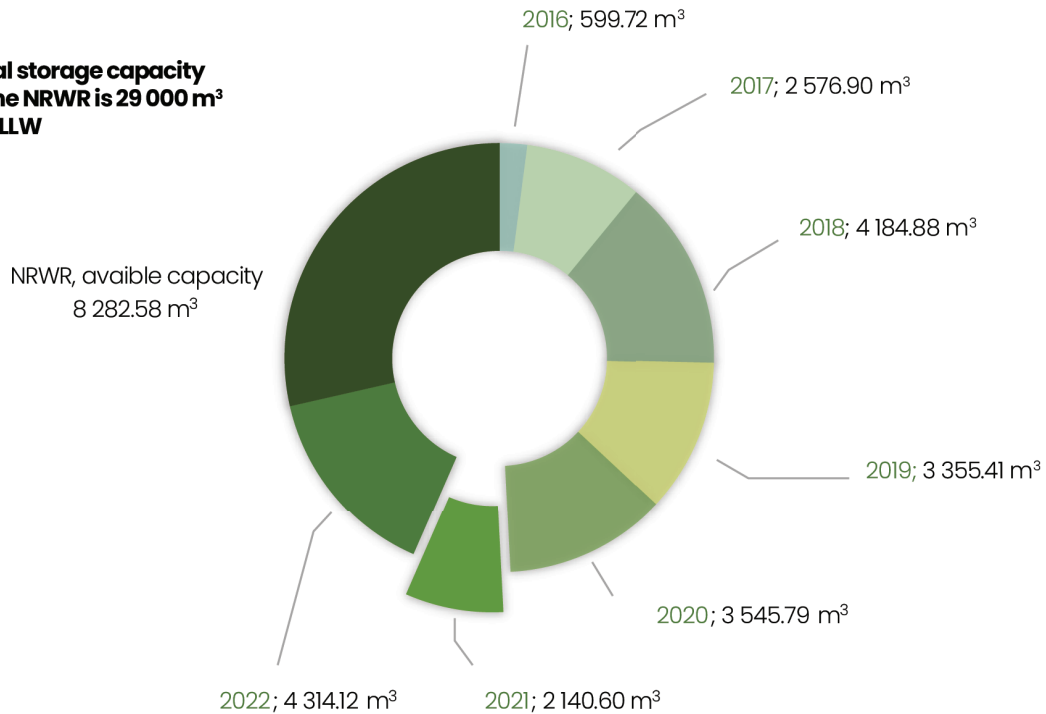
Total storage capacity of the NRWR is 10 800 fibre-concrete containers with conditioned LLW

Available capacity in the NRWR;
3 794



Overview of the filling of the storage capacity of the NRWR by disposing VLLW as of 31 December 2022

**Total storage capacity
of the NRWR is 29 000 m³
of VLLW**



IRAW and RMUO management

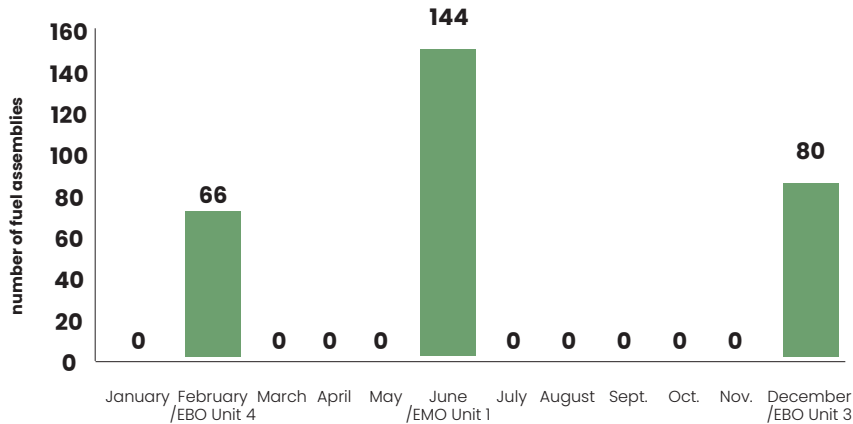
JAVYS, a. s. is an authorised organisation for the management of radioactive sources and radioactive waste of unknown origin, unused radioactive sources and radioactive materials. In 2022, eight captures of sources of ionising radiation of unknown origin were made, representing different forms of ionising radiation sources. In terms of their contamination, in particular the radionuclide ^{60}Co was identified. After identification, these radioactive materials were transported for further management at the nuclear installations of JAVYS, a. s., or to the IRAW and CRM Management Facility at the Mochovce site.

In 2022 JAVYS, a. s., under the agreement of the ME SR and the MH SR within the framework of removal of historical environmental burdens from the perspective of radiation protection of the population of the SR, carried out the collection of IRAW from state medical facilities and state institutions University Hospital Trenčín, University Hospital Martin, Regional PHA Banská Bystrica, Regional PHA Žilina, Regional PHA Bratislava, Regional PHA Košice, National Agricultural and Food Centre Bratislava, National Institute of Children's Diseases Bratislava, Slovak Institute of Metrology Bratislava and State Veterinary and Food Institute Nitra, with the subsequent transport and other activities of IRAW management. In addition, on the basis of concluded contractual relations with other IRAW producers, JAVYS, a. s. carried out collection with subsequent transport and other IRAW management activities from Nexis Fibers, a. s., SHIMADZU Slovakia, Earth Science Institute of the Slovak Academy of Sciences, Bratislava, Military Unit Zemianske Kostoľany, SE a. s., Railway Research and Development Institute Žilina. The IRAW taken over in 2022 for further management at the nuclear installations of JAVYS, a. s. or to the IRAW and CRM Management Facility at the Mochovce site consisted mainly of used sealed sources, or various types of reference standards with a total mass of 2132.32 kg, while 91 kg of this quantity of IRAW were nuclear materials, which were stored in special, dedicated for this purpose areas of the NI ISFS.



SPENT FUEL MANAGEMENT

Number of spent fuel assemblies transported in each month of 2022



In 2022, spent fuel was stored in three of the four storage pools of the ISFS in KZ-48 and T-13 type storage casks.

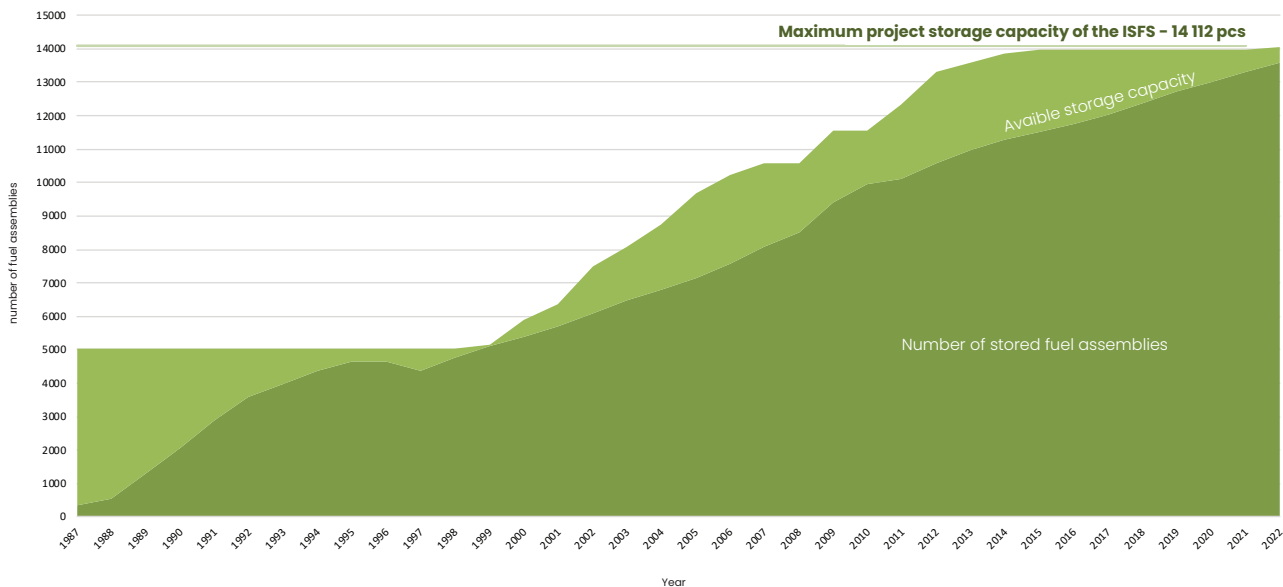
As of 31 December 2022, a total of 13,598 pieces of spent fuel assemblies were stored in the ISFS, of which 5,143 pieces from V1 NPP production, 5,815 pieces from V2 NPP production and 2,640 pieces from EMO 1,2 production.

After reaching the specified parameters, spent fuel (SF) produced in the reactor units of nuclear power plants in the SR is subsequently transported and stored for a long period of time in the nuclear installation Interim Spent Fuel Storage Facility (ISFS) of JAVYS, a. s. in Jaslovské Bohunice.

In 2022, a total of 290 spent fuel assemblies were transported from the NI V2 and NI EMO to the ISFS. An overview of the number of spent fuel assemblies transported during 2022 is shown in the following chart.

Overview of continuous filling of the ISFS with spent fuel as of 31 December 2022

Storage capacity of the ISFS as of 31 Dec. 2022 – 14 046 pcs



As of 31 December 2022, 13,598 pieces of SF were stored in the NI ISFS, which represents 96.36 % of its maximum designed storage capacity. In view of this situation, JAVYS, a. s. has been implementing the investment project “Completion of SF storage capacity in Jaslovské Bohunice” since 2018 in accordance with the approved schedule. The planned date of commissioning of the first module of the new storage capacity for SF storage is planned by the end of 2023.

9



SAFETY

Nuclear safety

Compliance with nuclear safety requirements is a priority at JAVYS, a. s. It is declared in the policy and objectives, which are among the top documents of the Company's integrated management system.

The safety policy of JAVYS, a. s. is linked to the tasks that the Company provides:

- the safe, reliable and efficient operation of nuclear installations,
- the reliable and safe decommissioning of the A1 and VI NPPs, with a view to releasing the site for industrial use,
- reliable and safe treatment, conditioning, storage and disposal of radioactive waste from NPPs, including institutional RAW and RMUO,
- reliable and safe management of spent fuel from nuclear power plants.

The requirements of the legislation of the Slovak Republic and the supervisory authorities for nuclear safety were met for all nuclear installations in operation and under decommissioning at the Jaslovské Bohunice and Mochovce sites. During 2022, nuclear installations were operated in accordance with valid and up-to-date safety documentation approved by the supervisory authorities of the Slovak Republic, without violation of limits



and conditions for their safe operation or decommissioning. At quarterly intervals, safety assessment of the operation of nuclear installations of JAVYS, a. s. was carried out by means of operational safety indicators. The achieved evaluations confirmed the professional work of the staff and the high reliability of the technological equipment. No safety-significant operational event was identified during the period under evaluation. The personal involvement of employees in safety issues was supported by several activities during 2022, the electronic safety culture (SC) questionnaire and the extension of the scope and installation of physical SC boxes for the confidential reporting of safety suggestions.

In 2022, a safety culture survey was conducted in our company, initiated by SE, a. s. The company JAVYS, a. s. participated in this survey as a major supplier. The results of the survey, the identification of strengths and weaknesses in SC and the overall assessment of SC were presented to us in the form of a final report. According to the results of the survey, the employees of our company have a high level of personal responsibility for their activities, apply nuclear safety standards in their work and are fully aware of how and when their activities affect nuclear safety. The findings of this survey will serve as a basis for setting new tasks in the SC Action Plan in the future.

Inspectors of the NRA SR carried out a total of thirty-nine inspections at JAVYS, a. s. during 2022:

- 22 inspections common for JAVYS, a. s.
- 5 inspections at the NI VI NPP
- 1 inspection at the NI A1 NPP
- 2 inspections at the NI RAW TCT
- 3 inspections at the NI ISFS
- 1 inspection at the NI IRAWS
- 2 inspections at the NI LRW FTF
- 3 inspections at the NI NRWR

The inspections were aimed, for example, at checking compliance with nuclear safety conditions and supervision requirements during decommissioning of the VI NPP and A1 NPP, RAW management in the NI RAW TCT, NI IRAWS and NI LRW FTF, storage of spent fuel in the NI ISFS, disposal of RAW in the NI NRWR and transport of RAW and nuclear materials. An inspection focusing on the culture of nuclear physical security and cyber security was also carried out. The inspectors examined the area of emergency preparedness, focusing on the inspection of equipment and means for emergency preparedness.

IAEA inspectors, in cooperation with inspectors from EURATOM and the NRA SR, carried out ten inspections in 2022 to inspect nuclear materials and to check the decommissioning status of the A1 NPP and VI NPP.

The Nuclear Regulatory Authority of the SR issued a total of seventy-five decisions for JAVYS, a. s. in 2022:

- 19 decisions common for JAVYS, a. s.
- 11 decisions for the NI VI NPP
- 11 decisions for the NI A1 NPP
- 8 decisions for the NI RAW TCT
- 8 decisions for the NI ISFS
- 4 decisions for the NI LRW FTF
- 8 decisions for the NI NRWR
- 6 decisions for the NI IRAWS

The most important decisions issued by the NRA SR in 2022:

| Decision No. | <i>Subject of the decision</i> |
|---------------------|---|
| 8/2022 | The NRA SR approves the PK/SK type transport device, serial No. 804 002 and 807 003 , for the transport of RM for type A shipment conditions. |
| 11/2022 | The NRA SR issues approval for the implementation of a change pursuant to Article 2(w) of the Atomic Act in Operating Regulation 5-TPP-265 “Ventilation of the reactor hall and auxiliary service building” , Edition No. 6. |
| 44/2022 | The NRA SR permits the use of the project “D4.1 - Modification of the power plant and installation of new equipment - DZM 5294/2017 Construction of a bottling station of the ISFS and installation of piping routes for bottling of regeneration and decontamination solutions in the ISFS ”. |
| 59/2022 | The NRA SR issues approval for the implementation of a change affecting NS during the operation of the NI RAW TCT to the extent of commissioning and operation of the facilities for the removal of contaminated water from the ISFS , and pursuant to Article 4(2)(f)(2) of the Atomic Act, issues approval for the implementation of a change pursuant to Article 2(w) of the Atomic Act to the documentation 13-BSP-001 POSR NI ISFS , Edition No. 1, Rev. No. 2, Amendment No. 3. |
| 72/2022 | The NRA SR issues approval for the implementation of a change to the documentation of training programmes for professionally competent employees of the licence holder assessed by the Authority. |
| 88/2022 | The NRA SR issues a permit for road transport of RM in the transport facility, type - container PK II/SLUDGES . |
| 89/2022 | The NRA SR issues a permit for road and rail transport of RM in the transport facility, type - ISO 20-container for the conditions of industrial shipment type 2 (PZ-2). |

| Decision No. | <i>Subject of the decision</i> |
|---------------------|---|
| 91/2022 | The NRA SR issues consent to the implementation of a change affecting NS during VI NPP decommissioning in the scope of implementation of project D4.4C "Dismantling of systems in the controlled area of the VI NPP – Part 2, subproject D4.4C.01", part DCM 5367/2019 "Installation and connection of mobile evaporation equipment. |
| 96/2022 | The NRA SR permits premature use of the project BIDSF D4.1 Modification of the power plant and installation of new equipment – "DCM No.5293/2017 Modification of the removal of contaminated water from the ISFS" for a period of 3 months from the entry into force of this decision. |
| 106/2022 | The NRA SR approves changes to the operating regulations entitled: 10-LAP-001 "Limits and conditions of safe decommissioning of the NI NPP RAW TCT" , Edition No. 4, Rev. No. 2 10-LAP-002 "Reasoning for limits and conditions of safe decommissioning of the NI NPP RAW TCT" , Edition No. 5, Rev. No. 2. |
| 107/2022 | The NRA SR issues approval for the implementation of a change pursuant to Article 2(w) of the Atomic Act in the documentation 10-BSP-001 POSR RAW TCT , Edition No. 4. |
| 161/2022 | The NRA SR issues consent to the implementation of a change affecting NS during the decommissioning of the NI AI NPP in the scope of construction of a temporary structure – an extension to SO30 with a workplace for the handling of large-scale materials from AI NPP decommissioning with its subsequent use. |
| 192/2022 | The NRA SR issues consent to the implementation of a change affecting NS during the operation of the NI ISFS pursuant to Article 2 (w) of the Atomic Act within the scope of the document: 13-PLN-001 "Plan of RAW Management at the NI ISFS" , Edition No. 2. |
| 201/2022 | The NRA SR approves the documentation of QMS – Stage Quality Assurance Programme for the RAW TCT , Edition No. 9. |

| | |
|----------|---|
| 210/2022 | The NRA SR issues a permit for road transport of RM in the transport facility, type - container PKIII/ DRUMS for the conditions of an industrial shipment of type B(U) with the possibility of transporting radioactive waste containing fissile materials. |
| 218/2022 | The NRA SR approves the document 11-PLN-001 On-Site Emergency Plan of the NI LRW FTF , Edition No. 4. |
| 220/2022 | The NRA SR approves the document 16-PLN-001 On-Site Emergency Plan of the NI IRAWS Edition No. 2. |
| 221/2022 | The NRA SR approves the document 8-PLN-002 On-Site Emergency Plan of the NI JAVYS , Edition No. 4. |
| 222/2022 | The NRA SR approves the document 12-PLN-001 On-Site Emergency Plan of the NI IRAWS Edition No. 3. |
| 232/2022 | The NRA SR issues approval for the implementation of changes to the documentation of training programmes for professionally competent employees assessed by the Authority. |
| 241/2022 | The NRA SR issues consent to the implementation of changes pursuant to Article 2(w) of the Atomic Act in PP 12-TPP-804 "Technological Regulation for the Mochovce NRWR - VLLW Repository , Edition No. 4, Rev. No. 1". |
| 258/2022 | The NRA SR permits the use of the project BIDSF D4.1 Modification of the power plant and installation of new equipment - "DCM No.5293/2017 Modification of the removal of contaminated water from the ISFS". |
| 283/2022 | The NRA SR approves the QMS documentation within the scope of requirements for quality assurance of classified equipment specified in the quality plans of classified equipment: - "Quality plan of classified equipment SF Packaging Set - Canister - "Quality plan of classified equipment Shielding Container", - "Quality requirement for classified equipment SF Packaging Set - Canister" - "Quality requirement for classified equipment Shielding Container", |
| 286/2022 | The NRA SR permits the use of the project "I00TSVD20004 - Optimisation of RAW incineration capacities". |
| 318/2022 | The NRA SR issues consent to the implementation of changes pursuant to Proposal for Change and Modification (NZaM) No.02/2220-2019 "Completion of LLW storage capacities" consent to the implementation of changes affecting NS during the operation of the NI NRWR Mochovce according to document 12-PpBS-001 Pre-Operational Safety Report for the NI NRWR, Edition No. 6 It permits the project "Construction of the 4th double-row of the LLW repository in the NRWR Mochovce" . |

In 2022, nine operational events were registered at the NIs of JAVYS, a. s., of which two were subject to reporting to the supervisory authorities in accordance with the Atomic Act. According to the International Nuclear and Radiological Event Scale (INES), all events were classified as events of no safety significance (outside the INES scale). Also in 2022, four events without consequences were reported and three events from other nuclear installations were analysed by the nuclear safety committee.

Radiation protection

All activities performed in 2022 - decommissioning of the nuclear installations A1 NPP and V1 NPP, operation of Bohunice RAW Treatment Centre, Interim Spent Fuel Storage Facility, Integral RAW Storage Facility, Liquid RAW Final Treatment Facility and National RAW Repository in Mochovce, are ensured in the field of radiation

protection on the basis of valid decisions of the PHA SR.

All activities from the radiation protection point of view are subject to dose rate optimisation before their authorisation, during their execution and after their completion in accordance with the applicable law of the Slovak Republic and the internal quality assurance system of JAVYS, a. s.

In the working environment of the controlled areas of the nuclear installations of JAVYS, a. s., systematic monitoring of the radiation characteristics of the working environment, operational and official monitoring of the received doses of JAVYS workers as well as workers of contractor companies was also carried out in 2022. Compliance with radiation protection rules and the ALARA principle in the performance of all activities was also an integral part of the control.

One of the very strictly monitored indicators of the level of radiation protection of persons working in the controlled areas of JAVYS, a. s. is the maximum individual effective dose, which did not exceed the statutory 20 mSv/year and did not exceed the approved internal limits, which are at the level of 13 mSv/year.

Maximum individual effective dose E (mSv) in 2022

| JAVYS, a. s. | CA-A | % | CA-V | % | CA-U | % | CA-R | % |
|----------------------------------|---------------|----------|--------------|----------|--------------|----------|--------------|----------|
| | | of limit | | of limit | | of limit | | of limit |
| Employees of JAVYS, a. s. | 10.066 | 50.3 | 1.464 | 7.3 | 3.211 | 16.1 | 0.048 | 0.2 |
| Suppliers | 11.226 | 56.1 | 10.92 | 54.6 | 0.163 | 0.8 | 0.000 | 0.0 |

Explanatory notes:

CA-A Controlled areas in the structures of the A1 NPP under decommissioning, in the structures with technologies for RAW treatment and spent fuel storage Jaslovské Bohunice

CA-V Controlled area of the Jaslovské Bohunice VI NPP under decommissioning

CA-U Controlled area of the NRWR, LRW FTF and VLLV Mochovce

CA-R Controlled area of IRAW and CRM Mochovce

The control of the impact of the operation on the radiation exposure of the population is monitored by JAVYS, a. s. through the Environmental Radiation Monitoring Laboratories in Trnava and Levice, belonging to Slovenské elektrárne, a. s. The laboratories monitor the surroundings using a network of monitoring stations connected to three circuits in the vicinity of the nuclear installations at the Jaslovské Bohunice site and by laboratory measurements of samples from the environment.

The results of sample measurements and analysis of nearly 1,500 samples of air, soil, water, vegetation and agricultural products for 2022 demonstrate minimum impact of nuclear installations in operation and under decommissioning on the surrounding area.

The impact of the operation of the nuclear installations of JAVYS, a. s. on

the population is expressed in terms of dose rate. This is determined for a representative individual who received the highest effective dose in a given year, and a municipality (city) with the highest collective dose due to discharges from nuclear installations to the atmosphere and hydrosphere. This dose is so low that it is indistinguishable from natural background radiation, so it is determined by calculation. The calculation is carried out in special software (ESTE AI) four times a year on the basis of the amount of all radioactive substances actually released into the atmosphere and hydrosphere and the actual meteorological situation during the year. The software is updated twice a year, taking into account local conditions. The calculation uses internationally accepted models of the spread of radioactive substances and is approved by the state supervisory authority – the Public Health Authority (PHA) of the

SR. Its outputs are submitted to the PHA SR in quarterly reports “Analysis of discharges of radioactive substances from the premises of JAVYS, a. s., Jaslovské Bohunice”.

The maximum calculated individual effective dose E values for the year 2022 in a populated area are at 0.09 % (0.028 μSv) of the annual exposure limit of 32 μSv for a representative individual. The area with the highest collective dose is the city of Trnava and its level for 2022 is 140 man μSv .

The calculated values of individual effective dose and collective dose are at a level an order of magnitude lower than the radiation burden of the population caused by natural background (2,420 μSv in the Slovak Republic) and medical diagnostic examinations.

Emergency planning and civil protection

In 2022, all requirements of the Slovak legislation were met in the area of emergency planning and civil protection. JAVYS, a. s. has a functional emergency response organisation in place, capable of dealing with emergencies at nuclear installations and in the transport of radioactive materials (RM). Throughout the year, emergency drills and personnel exercises were carried out regularly at all nuclear installations and during RM transports.

The state of emergency preparedness of JAVYS, a. s. at the Jaslovské Bohunice site was verified by the all-area emergency exercise HRAB 2022, which was aimed at dealing with emergencies at nuclear installations. Within the framework of the all-area emergency exercise, all employees of JAVYS, a. s., as well as all persons present during the exercise on the

territory of the Company's nuclear installations in Jaslovské Bohunice, including employees of contractor organisations, were involved in the exercise. The exercise was attended by 674 persons, 334 of whom were employees of JAVYS, a. s. In percentage terms, 68% of the total number of employees of JAVYS, a. s., with place of work in Bohunice as of 21 September 2022, took part in the exercise. During emergency exercises and drills of expert groups, the emergency response organisation proved its functionality. To ensure the area of emergency planning and civil protection, JAVYS, a. s. has prepared the following documentation in accordance with legislative requirements, which was continuously updated during 2022 in the light of organisational changes in JAVYS, a. s. and changes in legislation:

- 8-PLN-001 - Plan of health measures of JAVYS, a. s.,
- 8-PLN-002 - On-site emergency plan for the NI JAVYS, a. s. in Bohunice,
- 8-PLN-016 - Shelter and evacuation plan in JAVYS, a. s.,
- 8-PLN-017 - Emergency transport rules - railway transport of RM,
- 8-PLN-018 - Emergency transport rules - road transport of RM,
- 11-PLN-001 - On-site emergency plan for the NI LRW FTF,
- 12-PLN-001 - On-site emergency plan for the NI NRWR,
- 16-PLN-001 - On-site emergency plan for the NI IRAWS.

For the nuclear installations of JAVYS, a. s., the following emergency planning zone sizes are currently approved by the Nuclear Regulatory Authority of the Slovak Republic:

- common emergency planning

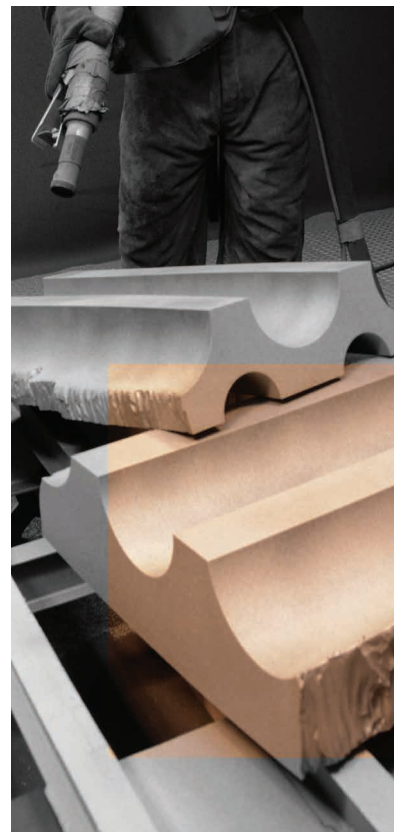
zone for the NI VI NPP, A1 NPP, RAW TCT and ISFS at the Bohunice site demarcated by the barrier of the guarded area of nuclear installations of JAVYS, a. s. at the Bohunice site, approved by Decision of the NRA SR No. 719/2014 of 26 September 2014,

- emergency planning zone for the NI NRWR in Mochovce defined as the area demarcated by the boundary of the nuclear installation, which is defined by the barrier of the guarded area, i.e. the fence of the NRWR at the Mochovce site, approved by Decision of the NRA SR No. 66/2017 of 20 February 2017,
- emergency planning zone for the NI LRW FTF at the Mochovce site defined as the area demarcated by the boundary of the premises of nuclear installations of Slovenské elektrárne, a. s., Mochovce NPP, which is defined by the barrier of the guarded area of this nuclear installation, approved by Decision

of the NRA SR No. 5/2007 of 8 January 2007,

- emergency planning zone for the NI IRAWS demarcated by the barrier of the guarded area of nuclear installations of JAVYS, a. s. at the Bohunice site, approved by Decision of the NRA SR No. 381/2017, which became final and enforceable on 9 October 2017.

The analyses, on the basis of which the emergency planning zones were determined, have shown that the operation or decommissioning of the nuclear installations of JAVYS, a. s. at the sites of Jaslovské Bohunice and Mochovce has a negligible impact on the population and the environment in the vicinity of these nuclear installations.



OHS and fire protection

The Company's activities in the field of occupational health and safety are mainly focused on elimination of risks of occupational injuries and monitoring of the working environment at the workplaces of JAVYS, a. s. employees as well as employees of contractor organisations.

In JAVYS, a. s., the recertification of the ISO 45001:2018 standard for the occupational health and safety management system was carried out in 2022 also for 2023. The renewal of the certificate confirms that JAVYS, a. s. is a safe organisation, which places emphasis on the quality of its processes and the fulfilment of the requirements for the protection of the environment and the health of employees during the operation and decommissioning of nuclear installations.

During this periodic audit, the certification company identified a number

of significant positives, such as the inclusion of OHS risks in the organisation's integrated risk register and the long-standing excellent performance in OHS, nuclear and radiation safety. In 2022, there were no registered occupational injuries at JAVYS, a. s.; there was one recorded occupational injury.

There were no occupational diseases and no fires recorded during 2022. Eleven injuries to contractor employees were recorded in the 2022 evaluation period, which are subject to investigation, recording or registration of occupational injuries by the responsible contractor organisation.

In order to raise OHS awareness, the Department of Nuclear Safety, STS and Protection organised seminars in the framework of the implementation of the tasks of the "Safety Culture Action Plan 2022". The objective of the seminars was to increase the level of safety of the company's em-

ployees as well as employees of contractor organisations.

In the monitored period, KR HaZZ Trnava carried out a comprehensive fire inspection.

The purpose of the comprehensive fire inspection was to check the overall state of organisational and technical provision of fire protection in the inspected entity.

Prevention of injuries and occupational diseases in hazardous workplaces was ensured by control activities and the allocation of appropriate personal protective equipment in accordance with the established operating rules and risk assessments.

Indicators in the field of OHS and fire protection are monitored daily and evaluated in reports, which are submitted at semi-annual intervals to the senior management meetings of JAVYS, a. s., where measures for the next periods are approved based on the results and development trends.





ENVIRONMENTAL PROTECTION

In JAVYS, a. s., environmental protection is included among the supporting processes within the integrated management system in the “Safety” process. In the implementation of activities, emphasis is placed on respecting the principle of prevention and minimisation of environmental impacts that may arise during the work carried out by the Company’s own employees and contractors. A responsible approach to the environment is also ensured in the form of continuous monitoring of all legal requirements in individual areas of environmental protection (water, air, waste, nature and landscape protection and others) and their implementation in the Company’s internal documentation. JAVYS, a. s. has fulfilled or is continuously fulfilling the conditions of the decisions issued by the central government authorities in individual areas of environmental protection.

The activities of contractors implementing investment and decommissioning projects at the nuclear power plants A1 and V1 are governed by contractual relationships that include strict environmental protection requirements specified in the Safety and Technical Conditions of JAVYS, a. s. Significant environmental aspects are determined and managed for identified environmental impacts. The commitment of JAVYS, a. s. to comply with and apply the requirements of the ISO 14001:2015 standard “Environmental Management Systems” within the integrated management system is verified by the auditing company DNV GL. In 2022, a periodic audit was carried out, which resulted in a certificate confirming the functionality and effectiveness of the system and also the demonstration of appropriate environmental behaviour of JAVYS, a. s. in the performance of its activities and services in accordance with the environmental policy and objectives. The audits and inspections carried out by the supervisory authorities did not reveal any non-compliance in any of the areas of environmental protection. Observations identified by internal audits and opportunities for improvement in certain areas provide the impetus for continuous improvement and assurance of IMS processes.



Water management

Drinking water consumption in 2022 was higher by 6,737 m³ (12.5%) compared to the previous year, total consumption (Jaslovské Bohunice, Mochovce sites) was 60,575 m³. The year-on-year increase in drinking water consumption was due to a higher number of employees of contractor organisations working on individual projects related to the execution of A1 NPP and V1 NPP decommissioning and investment projects. Higher consumption of drinking water caused a slight increase in water management costs of 0.3%. Cooling water consumption in 2022 was 280,850 m³, which means a decrease of 10.7% compared to 2021.

In 2022, 433,132 m³ of wastewater was discharged into the Váh water body, which is a reduction of 2.44% compared to the previous year. All quality indicators of the discharged wastewater into the Váh water body verified by analyses in an accredited laboratory were below the limit values set in the permit, i.e. the conditions of the wastewater discharge permit were complied with throughout the year. No wastewater was discharged into the Dudváh water body, only water from surface runoff. Only water from precipitation accumulated in the retention reservoir is discharged from the NI NRWR in Mochovce into the surface waters – Telinský potok (Telinský brook).

Air protection

JAVYS, a. s. operated air pollution sources in 2022 in two categories - five medium sources (reserve boiler room, diesel generators) and one small source (production of fibre-concrete mixture). Due to the nature of the operation of the sources in emergency mode (except for the small source), the total emissions emitted from all medium sources are very low, and there is no obligation to pay air pollution charges. The municipality of Jaslovské Bohunice has set a fee of EUR 15.00 per year for the operation of the small source. In 2022, a comparable amount of pollutants was emitted into the air as in 2021: particulate matter - 39.150 kg, SO₂ - 0.12 kg, NO_x - 27.201 kg, CO - 5.551 kg, Corg - 0.728 kg, CO₂ - 21 t. During the operation of the RAW incineration plants, which are not categorised as sources of air pollution, the average daily values of the concentration of the individual pollutants measured by the automated monitoring systems were respected.



Waste management

The amount of waste produced from the operation of nuclear installations and site modifications depends on the scope of activities carried out in the decommissioning of the A1 NPP and V1 NPP, but mainly depends on the implementation of investment projects, service and maintenance work. The disposal and recovery of waste arising from the operation of nuclear installations, maintenance and support activities is the responsibility of JAVYS, a. s. In the case of contractor activities, including the implementation of BIDSF projects, the disposal and recovery of such waste is arranged by contract with the relevant contractor.

The total amount of non-reactive waste generated in 2022 by both BIDSF and non-BIDSF projects was 2,155.111 t.

The volumes of waste produced were in the following categories:

- other waste in the amount of 157.981 t outside BIDSF projects and 24.34 t within BIDSF projects,
- hazardous waste in the amount of 7.32 t outside BIDSF projects and 0.5 t within BIDSF projects,
- mixed municipal waste in the amount of 32.68 t
- recoverable metal waste in the amount of 1,932.29 t.

The costs incurred for waste disposal and recovery outside BIDSF projects amounted to EUR 47,645.22 in 2022.

Recoverable metallic materials were produced, handed over for material recovery (revenue of EUR 1.28 million) and classified as waste in the following categorisation:

| Recoverable waste | Weight (t) |
|-------------------------|-----------------|
| Copper | 0.432 |
| Aluminium | 6.92 |
| Lead | 20.56 |
| Mixed metals | 1,904.38 |
| Total weight (t) | 1,932.29 |

Waste management was carried out in 2022 in accordance with the legal requirements of the Slovak Republic and the Company's internal regulations.

Environmental impact assessment

The requirements of Act of the National Council of the Slovak Republic No. 24/2006 Coll. on environmental impact assessment and on the amendment to certain acts as amended, implemented into Directive BZ/OŽ/SM-04 "Environmental impact assessment (EIA)", are applied in the area of environmental impact assessment.

In 2022, the process of mandatory assessment under Act No. 24/2006 Coll. for the proposed activity "*Optimisation of treatment capacities of radioactive waste treatment and conditioning technologies of JAVYS, a. s. at Jaslovské Bohunice*" was completed by Decision of the Minister of Environment of the Slovak Republic No. 59862/2021, which rejected the remonstrances filed against the final opinion of the Ministry of Environment of the Slovak Republic No. 417/2021-1.7/zg. The final validity of the final opinion of the Ministry of Environment of the Slovak Republic No. 417/2021-1.7/zg, in which the Ministry agrees with the proposed activity, was confirmed on 2 May 2022. This process was the most demanding environmental impact assessment process in terms of duration and public participation (started with the submission of the plan on 5 February 2018).

The second procedure, which started on 7 September 2022 pursuant to Act No. 24/2006 Coll. with the submission of the plan, is the impact assessment of the activity "*Stage V of AI NPP decommissioning and subsequent release of the AI NPP site from administrative control*", which will continue in 2023.

JAVYS, a. s. is also monitoring activities planned to be carried out by other proponents in the affected area and is a party to other activities assessed under Act No. 24/2006 Coll. The implementation and operation of activities that have been assessed according to the Environmental Impact Assessment Act is possible only on the condition of demonstrating compliance of the implementation of the activity with the final opinion from the assessment process or with the decision issued in the screening procedure. Compliance is demonstrated by preparing a written evaluation of the conditions of the final opinion of the Ministry of Environment of the SR or the conditions of the decision issued in the screening procedure and attaching it to the application for a licence for the activity.

During 2022, a written evaluation of compliance with the conditions of the final opinions on the licensing procedures was prepared:

1. Issuance of building permits for activities:

- **Construction of the 4th double-row of the LLW repository in the NRWR Mochovce**
- **I00TSVD20007 – Optimisation of the treatment capacity of the NI RAW TCT – compacting**
- **Reconstruction and extension of main change rooms and adjacent areas SO 47**
- **Extension to the SO 30 structure for handling of the large-scale materials from A1 NPP decommissioning**

2. Issuance of a permit for the removal of building:

- **Demolition of structure 44/10, relocation of HVAC system and electrical switchboard MR44.1**

3. Issuance of a permit for the change of use of building:

- **BIDSF D4.2 “Establishment of a dry fragmentation workplace in SO 490:V1”**

In all binding opinions of the MEnv SR issued for individual proceedings, compliance of the licensing procedures with Act No. 24/2006 Coll. and the decisions issued pursuant to this Act was confirmed. Also, the results of the post-project analysis carried out for all assessed activities demonstrate their implementation in accordance with the Environmental Impact Assessment Act and the decisions issued under this Act.



INTERNATIONAL ACTIVITIES

As of 2021, the conditions and possibilities for JAVYS, a. s. to implement commercial projects in the field of management of foreign radioactive waste (RAW) on treatment technologies have fundamentally changed. The adopted Act No. 388/2021 Coll. prohibited the import of foreign RAW for the purpose of its treatment by incineration, with the incineration of RAW being one of the most efficient methods of waste treatment and the market demand for this segment

of services being the highest. However, the newly adopted Act only allows for the completion of contracts already concluded.

At the same time, the scope of commercial activities offered has been reassessed following the adoption of the Act. JAVYS focused on projects in which it would be able to benefit from many years of experience in the field of decommissioning of nuclear power plants (NPPs), facilities and in the field of RAW and spent fuel management (SF) as a consultant.

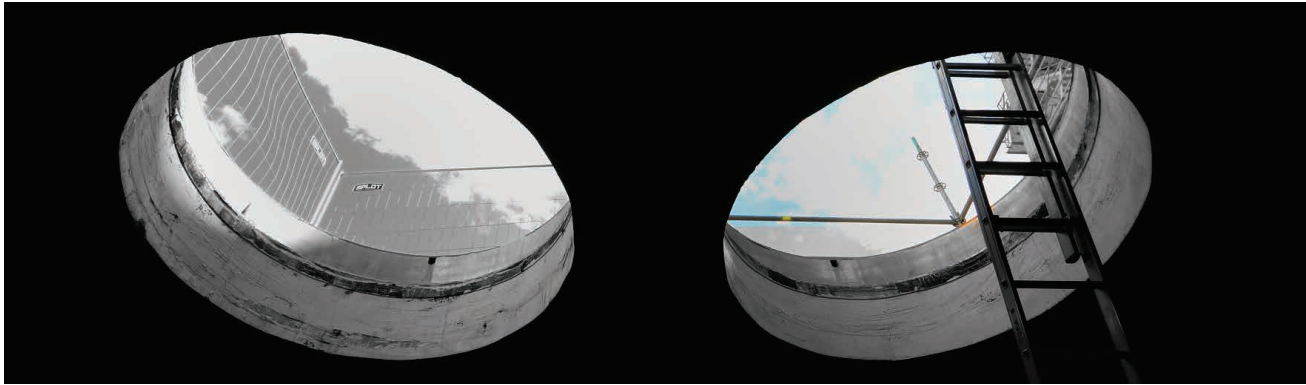
The first half of 2022 was still affected by the COVID-19 pandemic, but with the gradual relaxation of restrictions, the impact on selected commercial projects could be minimised.

In 2022, activities were carried out under nine signed contracts. JAVYS, a. s., for ČEZ, a. s., treated RAW from the Dukovany NPP and Temelín NPP by supercompaction.

Significant progress was made in the project for the treatment of saturated sorbents and sludge from the Caorso NPP in Italy, where the transport of the remaining RAW was carried out. At the same time, the above-mentioned wastes were treated at technological facilities (bulk RAW pre-treatment line, BRWTC incineration plant). Forty final products were prepared from the treated RAW. The project is being implemented by JAVYS in consortium with the Italian company Ansaldo New Clear. For NUCLECO, S.p.A., a third part of the institutional RAW was imported and treated. Preparatory activities for the ash and non-combustible RAW take-back started.

For DMS, spol. s r.o., JAVYS, a. s. continued to provide support to the technical and emergency group in the import of fresh nuclear fuel to the Slovak Republic for the NPPs in operation.

In consortium with the Spanish company Ingeniería y Dirección de



Obras y Montaje and the Bulgarian company ATP Atomtoploproekt, Ltd., we finalised the project in 2022, following the approval of the design and safety documentation for the modification and modernisation of the RAW treatment lines at the Kozloduy NPP by the Bulgarian Supervisory Authority.

Following the relaxation of the pandemic measures, it was possible to carry out several expert workshops and finalise a project for the Europe-

an Commission (EC) in the form of advice on chemical, biological and radioactive waste management for ten countries in South-Eastern Europe and the Caucasus. In this project JAVYS was involved in a consortium with five other partners (Sustainable Criminal Justice Solutions CIC Limited, Institute for International Security and Crisis Management, UK Health Security Agency, VERTIC and Cranfield University). At the final meeting in September 2022,

the consortium's approach, flexibility and ability to deliver the required outputs despite the difficult situation was positively evaluated by both the EC and the partner countries.

In 2022, selected chapters of the Award Safety Report were prepared for JESS, a. s. JAVYS provided comments on the entire documentation package that is part of the application for the location of a new nuclear power source in Jaslovské Bohunice. In May 2022, work began on the doc-

umentation for obtaining a licence for the construction of a RAW storage facility in Cerkezovac, Croatia. JAVYS, a. s. is involved in the implementation of the project for the Croatian Nuclear Fund together with two partners from Croatia (Ekoner and Enconet).

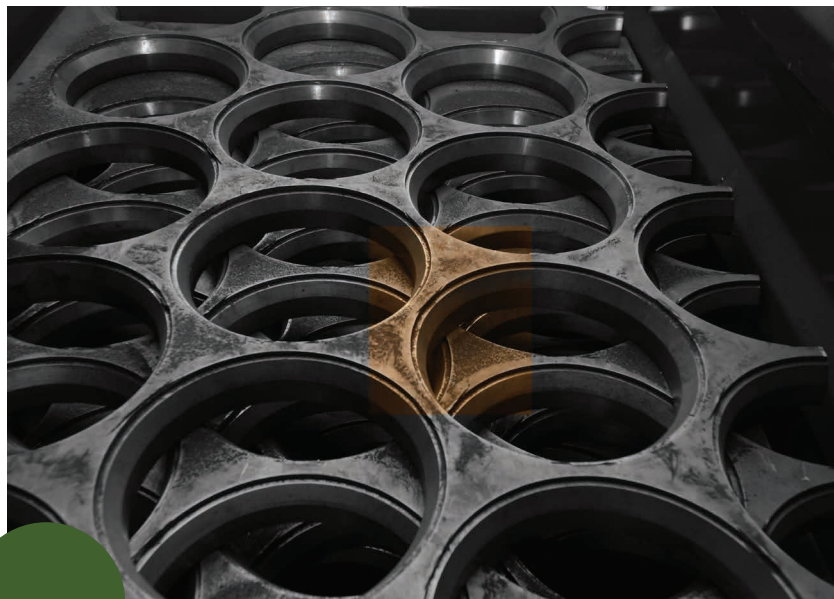
In the narrowed conditions for the implementation of commercial activities, JAVYS, a. s. for the first time participated as a partner in the preparation of the HARPERS research project funded by the EC through the Euratom programme. The objective of the HARPERS project is to map the added value from a higher degree of harmonisation of legislation in the field of RAW management, to identify barriers and challenges to the implementation of a common regulatory framework in the EU and to provide solutions to overcome these barriers. For this purpose, activities related to strategic planning

of the project, creation of a stakeholder network and identification of key themes for the next phase of the project based on discussions with stakeholders were carried out in 2022.

The financial volume for the contracted performances of JAVYS, a. s. in the implemented projects amounts to EUR 41 million and the total value of the projects is EUR 58.3 million.

The implemented projects represent not only the benefit of increased revenues of JAVYS, a. s. but also references for the future and an opportunity for professional growth of the employees participating in their preparation and implementation. Last but not least, they provide another opportunity for the Company to grow and establish itself on the market in an important segment of the nuclear industry.

12



ECONOMIC OUTTURN

Report on business activities and assets

Jadrová a vyradovacia spoločnosť, a. s. is a joint-stock company wholly owned by the state, which exercises the rights of a shareholder through the Ministry of Economy of the SR. The mission of JAVYS, a. s. is to carry out activities in accordance with the approved National Policy and National Programme for the Management of SF and RAW, namely to safely, reliably and economically efficiently decommission the nuclear power plants A1 and V1, to provide nuclear services in the areas of spent fuel and radioactive waste management by optimally utilising the existing treatment capacities of the RAW TCT, and to provide related services. JAVYS, a. s. provides additional services to third parties resulting from concluded service and lease agreements.

JAVYS, a. s. has been classified in the general government sector since July 2016 and its business activities are also affected by the relevant legislation in force in this area.

As of 31 December 2022, JAVYS, a. s. achieved a pre-tax profit of EUR 6,244,287 and an after-tax profit of EUR 3,304,984. The operating net profit was reported at EUR 9,881,495.

The main activities of JAVYS, a. s. in 2022 were covered by the funds provided by the NNF, BIDSF, SIEA and by revenues and income obtained from commercial activities.

Under the contract with the NNF, the maximum and limit amount of funding for individual applications for 2022 was set at EUR 83,201,408.



The disbursement of NNF non-investment funds in 2022 was EUR 62,923,937 (from the NNF budget for 2022: EUR 61,669,202 and from the NNF budget for 2023: EUR 1,254,735). At the same time, costs of EUR -519,387 were settled with the NNF in 2022 for 2021 performance, from the 2021 funding applications.

The disbursement of NNF investment funds in accordance with the contract with the NNF for 2022 was EUR 14,883,808 (from the NNF budget for 2022: EUR 14,883,808 and from the NNF budget for 2023: EUR 0). Investment funds of EUR 1,866 for 2021 performance were also paid from the NNF budget for 2022, from the 2021 funding applications.

As part of the drawdown of funds from the BIDSF and SIEA for projects related to VI NPP decommissioning, the Company received funds in the total amount of EUR 36,388,936 in 2022, of which EUR 23,517,999 for the operational part and EUR 6,097,562 for the investment part and EUR 7,827,238 for the implementation of the decommissioning programme using human resources available in the VI NPP of the BIDSF D0 project "Implementation of the decommissioning programme using the human resources available at the VI NPP", of which EUR 7,727,581 for the operational part and EUR 99,657 for the investment part.

The Company's revenues and income from commercial activities represent revenues and income from the commercial management of RAW and SF, other revenues from concluded service and lease contracts and revenues from the sale of recoverable unusable assets from AI NPP and VI NPP decom-

missioning. For the year 2022, the Company reported total revenues and income from own performance in the amount of EUR 32,949,854, of which direct revenues for transportation, storage and treatment of RAW and for SF management for the V1 NPP, V2 NPP and EMO 1, 2 NPP amounted to EUR 17,482,804 and maintenance services amounted to EUR 313,925. The Company generated revenues in the amount of EUR 2,832,967 from the activation of materials and TFA, revenues from the sale of recoverable unusable assets from A1 NPP and V1 NPP decommissioning in the amount of EUR 1,175,320 and revenues from lease and other contracts and other performances of JAVYS, a. s. in the amount of EUR 11,144,828.

The Company's cost of production consumption in 2022 was recognised in the amount of EUR 65,031,286. Actual personnel costs were reported at EUR 35,091,703, accounting depreciation of fixed assets and adjusting entries for fixed assets amounted to EUR 17,115,492 (total depreciation of intangible fixed assets and TFA amounted to EUR 20,680,778 and adjusting entries for assets amounted to EUR 3,565,286).

As of 31 December 2022, the Company recorded total assets of EUR 1,939,747,021. Of this, intangible fixed assets amounted to EUR 743,818 and tangible fixed assets of the Company amounted to EUR 174,535,988. Fixed financial assets were recognised in the amount of EUR 103,386,353. These assets are related to the contribution to JESS, which was established in 2009 as a joint venture between JAVYS and ČEZ Bohunice. The value of the financial assets was revalued as of 31 December 2022 on the basis of a reduction of the equity of JESS by EUR 939,708.

The largest item of the Company's liabilities as of 31 December 2022 were provisions for the decommissioning and disposal of the nuclear power plants A1 and V1, provisions for the decommissioning and disposal of non-energy facilities and provisions for future employee benefits (retirement benefits and severance pay under the Collective Bargaining Agreement).

As of 31 December 2022, provisions totalling EUR 1,579,197,891 were recognised. Part of the provisions are the provisions for the decommissioning and disposal of the nuclear power plants A1 and V1 in the amount of EUR 1,216,552,105. This part of the provisions is covered by receivables from the NNF, BIDSF and SIEA.

The value of the Company's equity as of 31 December 2022 amounted to EUR 211,707,838, which represents 10.91% of the Company's total assets.

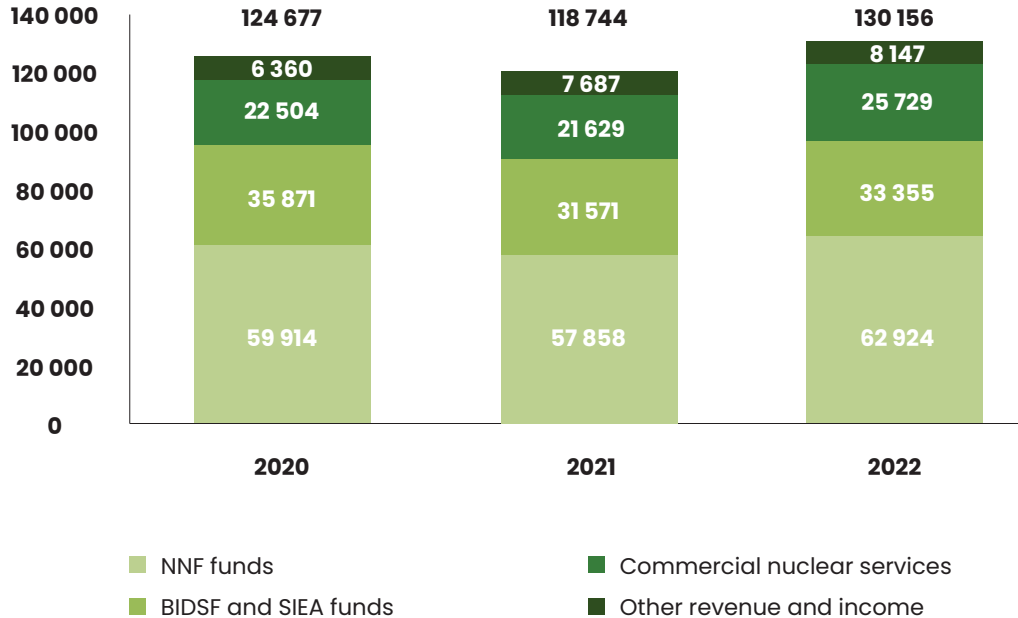
The achieved profit or loss is presented in the financial statements, which have been audited by an independent auditor and are unqualified.

Structure of operating revenue and income by sources of financial coverage

EUR thous.

| | 2020 | 2021 | 2022 |
|-----------------------------|----------------|----------------|----------------|
| NNF funds | 59 941 | 57 858 | 62 924 |
| BIDSF and SIEA funds | 35 871 | 31 571 | 33 355 |
| Commercial nuclear services | 22 504 | 21 629 | 25 729 |
| Other revenue and income | 6 360 | 7 687 | 8 147 |
| Total: | 124 677 | 118 744 | 130 156 |

Structure of operating revenue and income by sources of financial coverage



Structure of operating revenue and income* by activity

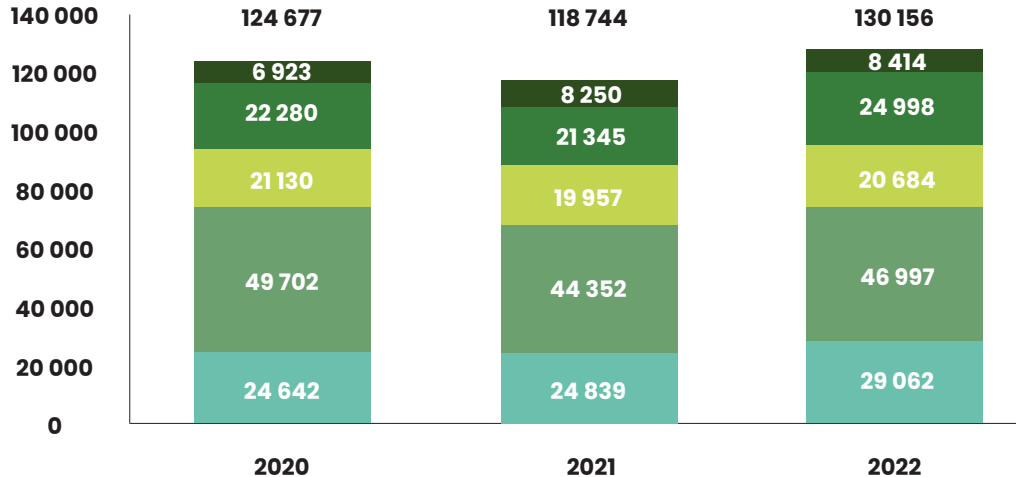
The NNF funds also include funds provided for the reimbursement of costs for the management of RAW from AI NPP and VI NPP decommissioning and the costs for the storage of SF from the VI NPP.

EUR thous.

| | 2020 | 2021 | 2022 |
|---|----------------|----------------|----------------|
| Funds for AI NPP decommissioning (without RAW management) | 24 642 | 24 839 | 29 062 |
| Funds for VI NPP decommissioning (without RAW and SF management) | 49 702 | 44 352 | 46 997 |
| RAW and SF management | 43 410 | 41 303 | 45 682 |
| Other activities | 6 923 | 8 250 | 8 414 |
| Total: | 124 677 | 118 744 | 130 156 |

* Operating revenue and income do not include income from the allocation of NNF and BIDSF grants to fixed assets

Structure of operating revenue and income by activity



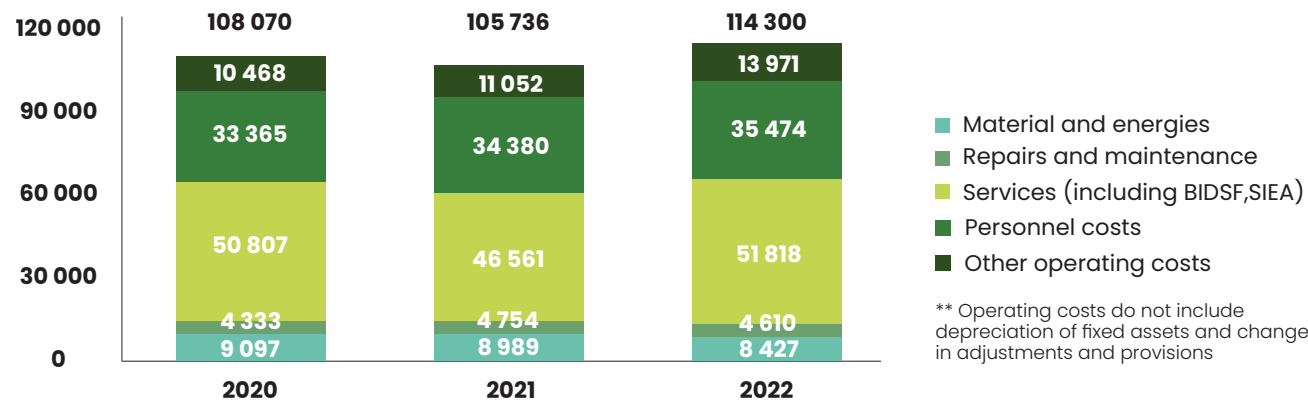
- Funds for A1 NPP decommissioning (without RAW management)
- Funds for V1 NPP decommissioning (without RAW and SF management)
- Management of RAW and SF from V1 NPP and A1 NPP decommissioning (covered by the NNF and BIDSF)
- RAW and SF management on a commercial basis
- Other activities

Structure of operating costs**

EUR thous.

| | 2020 | 2021 | 2022 |
|---------------------------------|----------------|----------------|----------------|
| Material and energies | 9 097 | 8 989 | 8 427 |
| Repairs and maintenance | 4 333 | 4 754 | 4 610 |
| Services (including BIDSF,SIEA) | 50 807 | 46 561 | 51 818 |
| Personnel costs | 33 365 | 34 380 | 35 474 |
| Other operating costs | 10 468 | 11 052 | 13 971 |
| Total: | 108 070 | 105 736 | 114 300 |

Structure of operating costs



** Operating costs do not include depreciation of fixed assets and change in adjustments and provisions

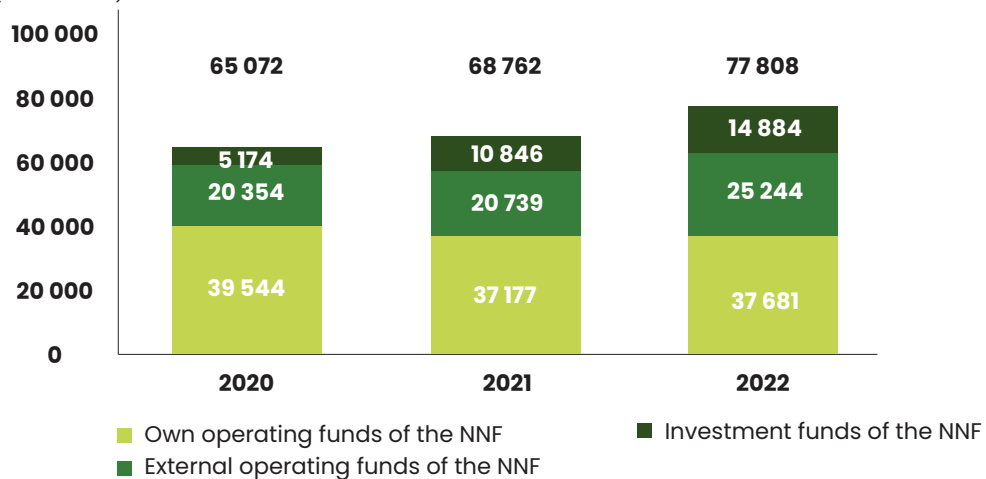
Drawdown of funds from the NNF

EUR thous.

| | 2020 | 2021 | 2022 |
|-------------------------------------|---------------|---------------|---------------|
| Own operating funds of the NNF | 39 544 | 37 177 | 37 681 |
| External operating funds of the NNF | 20 354 | 20 739 | 25 244 |
| Investment funds of the NNF | 5 174 | 10 846 | 14 884 |
| Total: | 65 072 | 68 762 | 77 808 |

Funds from the NNF

(EUR thous.)

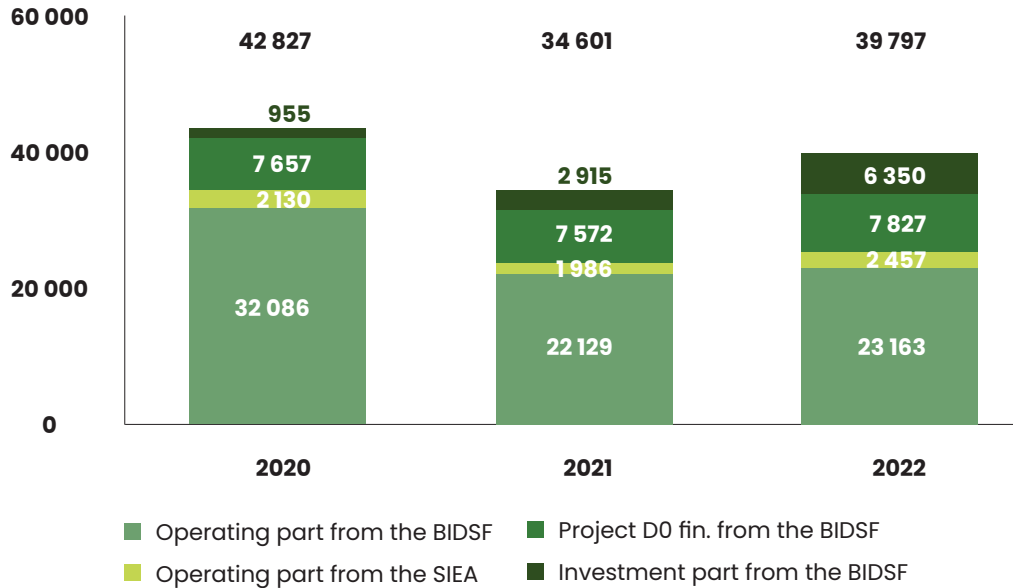


Drawdown of funds from the BIDSF and SIEA

EUR thous.

| | 2020 | 2021 | 2022 |
|--------------------------------|---------------|---------------|---------------|
| Operating part from the BIDSF | 32 086 | 22 129 | 23 163 |
| Operating part from the SIEA | 2 130 | 1 986 | 2 457 |
| Project D0 fin. from the BIDSF | 7 657 | 7 572 | 7 827 |
| Investment part from the BIDSF | 955 | 2 915 | 6 350 |
| Total: | 42 827 | 34 601 | 39 797 |

Funds from the BIDSF, SIEA



Procurement

In 2022, public procurement in JAVYS, a. s. was carried out on the basis of the requirements of the Company's professional departments, applied in the annual procurement plan. The plan included a total of 123 items with a total estimated value of EUR 38.4 million exclusive of VAT.

As a result of public procurement, 246 contracts were concluded in 2022 with a total value of EUR 34.5 million exclusive of VAT: In commodity terms, goods accounted for 57.6%, services 34.4% and construction works 8%.

In terms of cost type, operating contracts dominated in 2022, accounting for 82% of the total value of contracts awarded, with pure investment contracts accounting for 12% and mixed investment/operating contracts accounting for 6% of the total financial volume of contracts awarded.



Trade and services

The active business of JAVYS, a. s. in 2022 was carried out in accordance with the objects of its business and focused primarily on the following areas:

- **Provision of services in the field of radioactive waste and spent fuel management**

The provision of services in this area consists of the collection, treatment, conditioning and storage of radioactive waste from the nuclear power industry and spent fuel management. The main business partner in 2022 was SE, a. s.

- **Provision of services and other activities necessary to ensure nuclear safety, radiation safety and operational reliability**

JAVYS, a. s. provides services that are necessary to ensure the safe operation of a nuclear power plant. These services are mainly related to the training of personnel for work on nuclear power installations, dosimetry and radiation protection, calibration of instruments, emergency planning and preparedness, transportation, steam supply, and lease of non-residential premises and equipment.

- **The provision of leases of residential and non-residential premises and related services**

JAVYS, a. s. provides its suppliers of work and services, as well as other entities, with the lease of real estate and non-residential premises on a commercial basis. The real estate or premises are used most often as administrative premises (offices), assembly halls, warehouses, cloakrooms, apartments, premises for the sale of food or the provision of catering services. The leased land and areas are primarily used for vehicle parking.

■ **Sale of unneeded discarded assets, recoverable materials and inventories**

With the aim of their economic recovery, JAVYS, a. s. continuously sells unneeded discarded assets, recoverable material from NPP decommissioning and unneeded inventories. This process is mainly carried out through public tenders or framework agreements.

■ **Other services**

As part of its business activities JAVYS, a. s. also provides additional (so-called “other”) services to various entities. This group includes services related to the management of radioactive waste, institutional radioactive waste and radioactive substances/materials, i.e. their collection, treatment, conditioning and storage, but also the provision of professional training and consultation, dosimetry services, transport services, supply of water, heat and electricity, etc.

Total revenues resulting from the above-mentioned business activities amounted to **EUR 31,015,117.96 in 2022, exclusive of VAT**. Of these, the implementation of “other” services, together with the sale of unneeded discarded assets, recoverable materials and unneeded inventories, resulted in an income of **EUR 13,592,538.94 exclusive of VAT** in 2022. Revenues from leasing of real estate amounted to **EUR 602,360.58** in 2022.

Logistics

In the area of supply and storage, 5,095 items were delivered in 2022 out of a total of 5,099 material items ordered, representing a 99.92% fulfilment rate. For the year 2022, the value of goods received was EUR 2,903,303 and the value of goods issued for consumption totalled EUR 2,949,346. Despite the unfavourable situation with the development of prices and availability of some commodities on the market, a continuous supply of the required goods was ensured in 2022.

13



OTHER INFORMATION

Úč POD

FINANCIAL STATEMENTS



of Enterprises in the Double-Entry Bookkeeping System

Prepared as at 3 1 . 1 2 . 2 0 2 2

Figures are rounded on the right, other data are written from the left. Unfilled lines remain blank.

Data are filled in using block letters (as shown below) by a typewriter or a printer machine in black or dark blue.

A B C D E F G H I J K L M N O P Q R S T U V X Y Z 0 1 2 3 4 5 6 8 9

| | | | | |
|--|---|--|-----------------------------------|-----------------|
| Tax Registration Number 2 0 2 2 0 3 6 5 9 9 | Financial Statements <input checked="" type="checkbox"/> Ordinary <input type="checkbox"/> Small | Reporting Entity <input type="checkbox"/> Extraordinary <input checked="" type="checkbox"/> Large | Month From 0 1 To 1 2 | Year 2 0 2 2 |
| Identificatio 3 5 9 4 6 0 2 4 | <input type="checkbox"/> Interim | (Mark with X) | For the Period From 0 1 To 1 2 | |
| SK NACE 3 8 . 2 2 . 0 | | | Immediately- Preceding Period | From 0 1 To 1 2 |
| | | | | 2 0 2 1 |

Accompanying Parts of Financial Statements

 Balance Sheet (Úč POD 1-01) Income Statement (Úč POD 2-01) Notes (Úč POD 3-01)
 (in whole Euros) (in whole Euros) (in whole Euros)

Business Name (Name) of the Reporting Entity

J a d r o v á a v y r a d o v a c i a s p o l o ě n o s t , a . s

Seat of the Reporting Entity

 Street
 J a s l o v s k é B o h u n i c e Number
 3 6 0
 Postal Code Municipality
 9 1 9 3 0 J a s l o v s k é B o h u n i c e

Commercial Register and Number of Entry of the Company

B r a t i s l a v a I , o d d . S a , v l . ě . : 4 6 4 9 / B

 Phone Number Fax Number
 0 3 3 / 5 3 1 3 2 8 4 0 3 3 / 5 3 1 2 4 7 2
 E-mail Address

 Prepared on: 1 5 . 0 3 . 2 0 2 3 Approved on: . . . 2 0 2 3
 Signature of a Member of the Statutory Body of the Reporting Entity or a Natural Person Acting as a Reporting Entity.

Records of the Tax Authority

Place for Registration Number

Presentation Stamp of the Tax Authority



| Descr/ Stat a | ASSETS b | Line c | Current Reporting Period | | | | | | | | | | Immediately-Preceding Reporting Period | | | | | | | | | | | | | | | | | | |
|---------------------|---|-----------|--------------------------|---|---|---|---|-------|---|---|---|---|--|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|--|--|--|
| | | | Gross - Part 1 | | | | | Net 2 | | | | | Net 3 | | | | | | | | | | | | | | | | | | |
| | | | Correction - Part 2 | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | 01 | 2 | 3 | 2 | 1 | 4 | 3 | 3 | 4 | 9 | 7 | 1 | 9 | 3 | 9 | 7 | 4 | 7 | 0 | 2 | 1 | | | | | | | | | |
| | Total assets (I. 02 = I. 03 + I. 74) | | 3 | 8 | 1 | 6 | 8 | 6 | 4 | 7 | 6 | | | | | | 1 | 1 | 9 | 6 | 6 | 5 | 5 | 3 | 4 | 1 | | | | | |
| A. | Non-current assets (I. 03 = I. 11 + I. 21) | 02 | 6 | 6 | 0 | 3 | 4 | 5 | 5 | 6 | 5 | 2 | 7 | 8 | 6 | 6 | 6 | 1 | 5 | 9 | | | | | | | | | | | |
| | | | 3 | 8 | 1 | 6 | 7 | 9 | 4 | 0 | 6 | | | | | | 2 | 6 | 4 | 1 | 3 | 2 | 2 | 6 | 8 | | | | | | |
| A.I. | Total non-current intangible assets (I. 04 to I. 10) | 03 | 1 | 6 | 9 | 9 | 2 | 7 | 4 | 0 | | | | | | 7 | 4 | 3 | 8 | 1 | 8 | | | | | | | | | | |
| | | | 1 | 6 | 2 | 4 | 8 | 9 | 2 | 2 | | | | | | | | | | | 7 | 3 | 4 | 8 | 8 | 8 | | | | | |
| A.I.1. | Capitalised development costs (I.12) - /072, 091A/ | 04 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 2. | Software (I.13) - /073, 091A/ | 05 | 1 | 3 | 3 | 7 | 0 | 7 | 6 | 0 | | | | | | 6 | 0 | 4 | 1 | 4 | | | | | | | | | | | |
| | | | 1 | 3 | 3 | 1 | 0 | 3 | 4 | 6 | | | | | | | | | | 1 | 0 | 6 | 6 | 8 | 9 | | | | | | |
| 3. | Valuable rights (I.14) - /074, 091A/ | 06 | 2 | 7 | 4 | 7 | 5 | 1 | 6 | | | | | | 2 | 5 | 7 | 3 | 3 | 1 | | | | | | | | | | | |
| | | | 2 | 4 | 9 | 0 | 1 | 8 | 5 | | | | | | | | | | | 3 | 2 | 6 | 4 | 0 | 1 | | | | | | |
| 4. | Goodwill (I.15) - /075, 091A/ | 07 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 5. | Other non-current intangible assets (I.19, I.1X) - /079, 07X, 091A/ | 08 | | | 5 | 7 | 8 | 0 | 4 | 7 | | | | | | 1 | 2 | 9 | 6 | 5 | 6 | | | | | | | | | | |
| | | | | | 4 | 4 | 8 | 3 | 9 | 1 | | | | | | | | | | | | 9 | 4 | 9 | 4 | | | | | | |
| 6. | Non-current intangible assets in acquisition (I.41) - 093 | 09 | 2 | 9 | 6 | 4 | 1 | 7 | | | | | | 2 | 9 | 6 | 4 | 1 | 7 | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | 2 | 9 | 2 | 3 | 0 | 4 | | | | |
| 7. | Advance payments for non-current intangible assets (I.51) - /095A/ | 10 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| A.II. | Total non-current tangible assets (I. 012 tot. 020) | 11 | 5 | 3 | 9 | 9 | 6 | 6 | 4 | 7 | 2 | 1 | 7 | 4 | 5 | 3 | 5 | 9 | 8 | 8 | | | | | | | | | | | |
| | | | 3 | 6 | 5 | 4 | 3 | 0 | 4 | 8 | 4 | | | | | | 1 | 5 | 9 | 0 | 7 | 1 | 3 | 1 | 9 | | | | | | |
| A.II.1. | Land (I.31) - 092A | 12 | 1 | 8 | 8 | 9 | 6 | 7 | 2 | | | | | 1 | 8 | 8 | 9 | 6 | 7 | 2 | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | 2 | 0 | 5 | 1 | 9 | 9 | 2 | | | |
| 2. | Structures (I.21) - /081, 092A/ | 13 | 1 | 5 | 9 | 6 | 5 | 8 | 1 | 8 | 8 | | | | | 6 | 0 | 2 | 6 | 1 | 0 | 1 | 0 | | | | | | | | |
| | | | 9 | 9 | 3 | 9 | 7 | 1 | 7 | 8 | | | | | | | | | | | 5 | 5 | 8 | 5 | 6 | 8 | 7 | 5 | | | |
| 3. | Separate movable assets and sets of movables (I.22) - /082, 092A/ | 14 | 3 | 1 | 6 | 9 | 7 | 1 | 6 | 3 | 1 | | | | | 5 | 0 | 9 | 3 | 8 | 3 | 2 | 5 | | | | | | | | |
| | | | 2 | 6 | 6 | 0 | 3 | 3 | 0 | 6 | | | | | | | | | | | 5 | 2 | 3 | 5 | 0 | 6 | 0 | 3 | | | |



| Description a | EQUITY AND LIABILITIES b | Line c | Current Reporting Period 4 | | | | | | | Immediately-Preceding Reporting Period 5 | | | | | | | | | | | | | | | |
|------------------|---|-----------|-------------------------------|--|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | | | | | | | | | | | | | | | | |
| A.V. | Other funds from profit I. 91 + I. 92 | 90 | | | 2 | 8 | 9 | 6 | 9 | 4 | 6 | 3 | | | 2 | 8 | 9 | 5 | 4 | 4 | 6 | 3 | | | |
| A.V.1 | Statutory funds (427, 42X) | 91 | | | | | | | | | | | | | | | | | | | | | | | |
| 2 | Other funds (427, 42X) | 92 | | | 2 | 8 | 9 | 6 | 9 | 4 | 6 | 3 | | | 2 | 8 | 9 | 5 | 4 | 4 | 6 | 3 | | | |
| A.V. | Total revaluation reserves (I. 94 to I. 98) | 93 | | | 9 | 7 | 1 | 0 | 1 | 3 | 7 | 7 | | | 9 | 8 | 0 | 4 | 1 | 0 | 8 | 4 | | | |
| A.V.1 | Asset and liability revaluation reserve (+/- 414) | 94 | | | - | 1 | 7 | 9 | 8 | 9 | 9 | 2 | 4 | | | - | 1 | 7 | 0 | 5 | 0 | 2 | 1 | 6 | |
| 2 | Financial investments revaluation reserve (+/- 415) | 95 | | | 1 | 1 | 5 | 0 | 9 | 1 | 3 | 0 | 1 | | | 1 | 1 | 5 | 0 | 9 | 1 | 3 | 0 | 0 | |
| 3 | Revaluation reserve from fusions, mergers and separations (+/- 416) | 96 | | | | | | | | | | | | | | | | | | | | | | | |
| A.VII. | Profit/loss from previous years I. 98 + I. 98 | 97 | | | 3 | 7 | 4 | 6 | 2 | 3 | 8 | 9 | | | 3 | 8 | 3 | 1 | 7 | 4 | 9 | 3 | | | |
| A.VII.1 | Retained earnings from previous years (428) | 98 | | | 3 | 7 | 4 | 6 | 2 | 3 | 8 | 9 | | | 3 | 8 | 3 | 1 | 7 | 4 | 9 | 3 | | | |
| 2 | Accumulated losses from previous years (/- 429) | 99 | | | | | | | | | | | | | | | | | | | | | | | |
| A.VIII. | Profit/loss for the current reporting period after taxation (+/- I. 01 - 0. 81 + I. 96 + I. 98 + I. 97 + I. 90 + I. 93 + I. 97 + I. 101 + I. 141) | 100 | | | 3 | 3 | 0 | 4 | 9 | 8 | 4 | | | 3 | 3 | 2 | 3 | 9 | 2 | 5 | | | | | |
| B. | Liabilities: I. 102 + I. 118 + I. 121 + I. 122 + I. 138 + I. 138 + I. 140 | 101 | | | 1 | 6 | 0 | 3 | 0 | 4 | 4 | 5 | 4 | 6 | | | 8 | 6 | 6 | 4 | 1 | 6 | 5 | 7 | 7 |
| B.1 | Total non-current liabilities (I. 103 + I. 107 to I. 117) | 102 | | | 4 | 1 | 6 | 3 | 7 | 8 | 9 | | | 5 | 3 | 1 | 1 | 6 | 9 | 3 | | | | | |
| B.1.1 | Total long-term trade payables (I. 104 to I. 108) | 103 | | | | | | | | | | | | | | | | | | | | | | | |
| 1.a | Trade payables to group companies (321A, 475A, 476A) | 104 | | | | | | | | | | | | | | | | | | | | | | | |
| 1.b | Trade payables within a participating interest except for payables to group companies (321A, 475A, 476A) | 105 | | | | | | | | | | | | | | | | | | | | | | | |
| 1.c | Other trade payables (321A, 475A, 476A) | 106 | | | | | | | | | | | | | | | | | | | | | | | |
| 2 | Net construction contract value (316A) | 107 | | | 3 | 7 | 9 | 8 | 1 | 9 | 5 | | | 5 | 0 | 2 | 6 | 3 | 4 | 2 | | | | | |
| 3 | Other payables to group companies (471A, 47XA) | 108 | | | | | | | | | | | | | | | | | | | | | | | |
| 4 | Other payables within a participating interest except for payables to group companies (471A, 47XA) | 109 | | | | | | | | | | | | | | | | | | | | | | | |
| 5 | Other long-term payables (478A, 47XA) | 110 | | | | | | | | | | | | | | | | | | | | | | | |
| 6 | Long-term advance payments received (475A) | 111 | | | | | | | | | | | | | | | | | | | | | | | |
| 7 | Long-term bills of exchange to be paid (478A) | 112 | | | | | | | | | | | | | | | | | | | | | | | |
| 8 | Bonds issued (473A)-(255A) | 113 | | | | | | | | | | | | | | | | | | | | | | | |
| 9 | Social fund payables (472) | 114 | | | 3 | 6 | 5 | 5 | 9 | 4 | | | 2 | 8 | 5 | 3 | 5 | 1 | | | | | | | |
| 10 | Other non-current payables (336A, 372A, 474A, 47XA) | 115 | | | | | | | | | | | | | | | | | | | | | | | |
| 11 | Long-term payables from derivative transactions (373A, 377A) | 116 | | | | | | | | | | | | | | | | | | | | | | | |
| 12 | Deferred tax liability (481A) | 117 | | | | | | | | | | | | | | | | | | | | | | | |



| Description a | Item b | Line c | Actual | |
|------------------|--|-----------|--------------------------|--|
| | | | Current Reporting Period | Immediately-Preceding Reporting Period |
| | | | 1 | 2 |
| - | Net turnover (a portion of Accounting Class 8 under the Act) | 01 | 2 8 9 4 1 5 6 7 | 2 4 6 9 2 7 3 0 |
| ** | Total operating revenues (l. 03 to l. 08) | 02 | 1 4 4 3 1 3 6 0 9 | 1 3 0 7 3 7 7 2 3 |
| I. | Revenues from the sale of merchandise (604, 607) | 03 | | |
| II. | Revenues from the sale of own products (601) | 04 | 4 1 5 5 7 | 4 4 5 2 6 |
| III. | Revenues from the sale of services (602, 606) | 05 | 2 8 9 0 0 0 1 0 | 2 4 6 4 8 2 0 4 |
| IV. | Changes in inventories (+/-) Accounting Group 61) | 06 | | |
| V. | Own work capitalised (Accounting Group 62) | 07 | 2 8 3 2 9 6 7 | 2 5 1 9 0 8 4 |
| VI. | Revenues from the sale of non-current intangible assets, non-current tangible assets and raw materials (541, 542) | 08 | 1 1 7 5 3 2 0 | 1 0 3 3 4 6 9 |
| VII. | Other operating revenues (644, 645, 646, 648, 655, 657) | 09 | 1 1 1 3 6 3 7 5 5 | 1 0 2 4 9 2 4 4 0 |
| ** | Total operating expenses (l. 11 + l. 12 + l. 13 + l. 14 + l. 15 + l. 20 + l. 21 + l. 24 + l. 25 + l. 28) | 10 | 1 3 4 4 3 2 1 1 4 | 1 2 1 4 7 9 3 1 6 |
| A. | Costs of the acquisition of merchandise sold (604, 607) | 11 | | |
| B. | Consumed raw materials, energy and other non-inventories supplies (501, 502, 503) | 12 | 8 4 2 6 5 9 0 | 8 9 8 9 5 9 1 |
| C. | Provisions for inventories (+/-) (505) | 13 | | |
| D. | Services (Accounting Group 51) | 14 | 5 6 6 0 4 6 9 6 | 5 1 3 9 4 2 1 6 |
| E. | Total personnel expenses (l. 15 to l. 19) | 15 | 3 5 0 9 1 7 0 3 | 3 5 3 6 4 3 4 0 |
| E.1. | Wages and salaries (521, 522) | 16 | 2 2 7 2 5 0 7 7 | 2 1 7 7 3 0 6 6 |
| 2. | Remuneration of members of company bodies and co-operative (523) | 17 | 3 1 6 9 8 9 | 2 9 9 9 2 3 |
| 3. | Social insurance expenses (524, 525, 526) | 18 | 9 2 5 9 5 8 6 | 9 2 4 3 3 1 1 |
| 4. | Social expenses (527, 528) | 19 | 2 7 9 0 0 5 1 | 4 0 4 8 0 4 0 |
| F. | Taxes and fees (Accounting Group 53) | 20 | 2 9 2 9 1 4 0 | 2 9 1 0 1 3 9 |
| G. | Amortisation and depreciation, and provisions for non-current intangible and non-current tangible assets (l. 22 + l. 23) | 21 | 1 7 1 1 5 4 9 2 | 1 6 7 4 0 6 5 3 |
| G.1. | Amortisation and depreciation of non-current intangible and non-current tangible assets (551) | 22 | 2 0 6 8 0 7 7 8 | 2 1 0 5 7 1 0 3 |
| 2. | Provisions for non-current intangible and non-current tangible assets (+/-) (553) | 23 | - 3 5 6 5 2 8 6 | - 4 3 1 6 4 5 0 |
| H. | Net book value of non-current assets and raw materials sold (541, 542) | 24 | 5 9 6 4 9 4 | |
| I. | Provisions for receivables (+/-) (547) | 25 | 1 2 5 4 | - 3 9 6 |
| J. | Other operating expenses (543, 544, 545, 546, 548, 549, 555, 557) | 26 | 1 3 6 6 6 7 4 5 | 6 0 8 0 7 7 1 |
| *** | Operating profit or loss (+/-) (l. 02 - l. 10) | 27 | 9 8 8 1 4 9 5 | 9 2 5 8 4 0 7 |



| Description | Item | Line | Actual | | | | | | | | | | | | | | | | | | | | |
|-------------|--|------|--------------------------|---|---|---|---|---|---|--|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | Current Reporting Period | | | | | | | Immediately-Preceding Reporting Period | | | | | | | | | | | | | |
| | | | 1 | | | | | | | 2 | | | | | | | | | | | | | |
| a | b | c | | | | | | | | | | | | | | | | | | | | | |
| + | Added value (I. 03 + I. 04 + I. 05 + I. 06 + I. 07) - (I. 11 + I. 12 + I. 13 + I. 14) | 28 | | - | 3 | 3 | 2 | 5 | 6 | 7 | 5 | 2 | | - | 3 | 3 | 1 | 7 | 1 | 9 | 9 | 3 | |
| ++ | Total revenues from financing activities (I. 30 + I. 31 + I. 35 + I. 38 + I. 42 + I. 43 + I. 44) | 29 | | | 2 | 4 | 6 | 8 | 1 | 3 | 4 | 0 | | 3 | 2 | 3 | 2 | 6 | 4 | 7 | 1 | | |
| VIII | Revenues from the sale of securities and ownership interests (561) | 30 | | | | | | | | | | | | | | | | | | | | | |
| IX | Total revenues from non-current financial assets (I. 32 to I. 34) | 31 | | | | | | | | | | | | | | | | | | | | | |
| IX.1 | Revenues from securities and ownership interests from group companies (565A) | 32 | | | | | | | | | | | | | | | | | | | | | |
| 2 | Revenues from securities and ownership interests within a participating interest except for revenues from group companies (565A) | 33 | | | | | | | | | | | | | | | | | | | | | |
| 3 | Other revenues from securities and ownership interests (565A) | 34 | | | | | | | | | | | | | | | | | | | | | |
| X | Total revenues from current financial assets (I. 35 to I. 38) | 35 | | | | | | | | | | | | | | | | | | | | | |
| X.1 | Revenues from current financial assets from group companies (566A) | 36 | | | | | | | | | | | | | | | | | | | | | |
| 2 | Revenues from current financial assets within a participating interest except for revenues from group companies (566A) | 37 | | | | | | | | | | | | | | | | | | | | | |
| 3 | Other revenues from current financial assets (566A) | 38 | | | | | | | | | | | | | | | | | | | | | |
| XI | Interest income (I. 40 + I. 41) | 39 | | | | | 6 | 0 | 2 | 5 | 2 | 7 | | 1 | 2 | 7 | 1 | 4 | 1 | | | | |
| XI.1 | Interest income from group companies (562A) | 40 | | | | | | 9 | 6 | 5 | 4 | 6 | | | | | | | | | | | |
| 2 | Other interest income (562A) | 41 | | | | | 5 | 0 | 5 | 9 | 8 | 1 | | 1 | 2 | 7 | 1 | 4 | 1 | | | | |
| XII | Foreign exchange gains (563) | 42 | | | | | | | | - | 1 | 1 | | | | | | | | | | - | 3 |
| XIII | Gains or revaluation of securities and revenues from derivative transactions (564, 567) | 43 | | | | | | | | | | | | | | | | | | | | | |
| XIV | Other revenues from financing activities (568) | 44 | | | | | 2 | 4 | 0 | 7 | 8 | 2 | 4 | | 3 | 2 | 1 | 9 | 3 | 3 | 3 | 3 | |
| ++ | Total costs of financing activities (I. 46 + I. 47 + I. 48 + I. 49 + I. 52 + I. 52 + I. 53 + I. 54) | 45 | | | | | 2 | 8 | 3 | 1 | 8 | 5 | 4 | 8 | | 3 | 6 | 2 | 0 | 1 | 7 | 0 | 5 |
| K | Securities and ownership interests sold (561) | 46 | | | | | | | | | | | | | | | | | | | | | |
| L | Expenses related to current financial assets (565) | 47 | | | | | | | | | | | | | | | | | | | | | |
| M | Provisions for financial assets (+/-) (565) | 48 | | | | | | | | | | | | | | | | | | | | | |
| N | Interest expense (I. 50 + I. 51) | 49 | | | | | | | | | | | | | | | | | | | | | |
| N.1 | Interest expense for group companies (562A) | 50 | | | | | | | | | | | | | | | | | | | | | |
| 2 | Other interest expense (562A) | 51 | | | | | | | | | | | | | | | | | | | | | |
| O | Foreign exchange losses (563) | 52 | | | | | | | | | | 6 | | | | | | 3 | 8 | 7 | | | |
| P | Expenses for revaluation of securities and expenses related to derivative transactions (564, 567) | 53 | | | | | | | | | | | | | | | | | | | | | |
| Q | Other costs of financing activities (568, 569) | 54 | | | | | 2 | 8 | 3 | 1 | 8 | 5 | 4 | 2 | | 3 | 6 | 2 | 0 | 1 | 3 | 1 | 8 |



| Description Item a | Item b | Line c | Actual | | | | | | | | | | | | | | | | | | | | | | | |
|--------------------------|---|-----------|--------------------------|--|--|--|---|---|---|---|--|---|---|---|--|--|--|--|---|---|---|---|---|---|---|---|
| | | | Current Reporting Period | | | | | | | | Immediately-Preceding Reporting Period | | | | | | | | | | | | | | | |
| | | | 1 | | | | | | | | 2 | | | | | | | | | | | | | | | |
| --- | Profit/loss from financing activities (+/-) (I. 28 - I. 48) | 66 | | | | | - | 3 | 6 | 3 | 7 | 2 | 0 | 8 | | | | | - | 3 | 8 | 7 | 5 | 2 | 3 | 4 |
| ---- | Profit/loss for the reporting period before taxation (+/-) (I. 27 + I. 66) | 68 | | | | | | 6 | 2 | 4 | 4 | 2 | 8 | 7 | | | | | | 5 | 3 | 8 | 3 | 1 | 7 | 3 |
| R. | Income tax (I. 58 + I. 59) | 57 | | | | | | 2 | 9 | 3 | 9 | 3 | 0 | 3 | | | | | | 2 | 0 | 5 | 9 | 2 | 4 | 8 |
| R.1 | Current income tax (59.1, 59.5) | 58 | | | | | | 3 | 0 | 6 | 0 | 7 | 4 | 4 | | | | | | 2 | 9 | 1 | 9 | 8 | 2 | 0 |
| 2. | Deferred income tax (+/-) (59.2) | 59 | | | | | | - | 1 | 2 | 1 | 4 | 4 | 1 | | | | | | - | 8 | 6 | 0 | 5 | 7 | 2 |
| B. | Profit/loss of partnership transferred to partners (+/-) (59.6) | 60 | | | | | | | | | | | | | | | | | | | | | | | | |
| --- | Profit/loss for the reporting period after taxation (+/-) (I. 68 - I. 57 - I. 80) | 81 | | | | | | 3 | 3 | 0 | 4 | 9 | 8 | 4 | | | | | | 3 | 3 | 2 | 3 | 9 | 2 | 5 |

Independent Auditor's Report

To the Shareholder, Supervisory Board and Board of Directors of Jadrová a vyradovacia spoločnosť, a.s.:

Report on the Audit of the Financial Statements

Opinion

We have audited the financial statements of Jadrová a vyradovacia spoločnosť, a.s. (the "Company"), which comprise the balance sheet as at 31 December 2022, the income statement for the year then ended, and notes, which comprise a summary of significant accounting policies.

In our opinion, the accompanying financial statements give a true and fair view of the financial position of the Company as at 31 December 2022 and of its financial performance for the year then ended in accordance with Act No. 431/2002 Coll. on accounting, as amended (the "Act on Accounting").

Basis for Opinion

We conducted our audit in accordance with International Standards on Auditing ("ISA"). Our responsibilities under those standards are further described in the Auditor's Responsibilities for the Audit of the Financial Statements section of our report. We are independent of the Company in accordance with the provisions of Act No. 423/2015 on statutory audit and on the amendment to Act No. 431/2002 Coll. on accounting, as amended (the "Act on Statutory Audit") related to ethics, including Auditor's Code of Ethics, that are relevant to our audit of the financial statements, and we have fulfilled other requirements of these provisions related to ethics. We believe that the audit evidence we have obtained is sufficient and appropriate to provide a basis for our opinion.

Emphasis of Matter

We draw attention to notes III.4, IV.2 and VIII.2 to the financial statements. The Company has valued its liabilities and accounted for the related receivables in connection with the decommissioning of nuclear reactor and non-reactor facilities, storage of spent nuclear fuel and radioactive waste treatment on the basis of the National Policy and National Programme for the Management of Spent Nuclear Fuel and Radioactive Waste in the Slovak Republic. The estimates and assumptions considered by management in making these provisions are inherently sensitive to expectations of future cost and cash flow projections, inflation, discount rates, technical plans and changes in government legislation. Any changes in these parameters could materially affect the value of the provisions recognised in the Company's financial statements in future periods.

Further, we draw attention to notes I.1.2 and III.2 to the financial statements. The company established the joint venture Jadrová energetická spoločnosť Slovenska, a.s. together with ČEZ Bohunice a.s., a subsidiary of ČEZ, a.s., with the aim of building a new nuclear power source. The future development and return on the investment in the joint venture depends on the successful implementation of the project for the construction and subsequent operation of a new nuclear power source at the site of the nuclear power plant in Jaslovské Bohunice. A decision on construction will be made in the future.

Our opinion is not modified in light of these facts.

Responsibility of the Statutory Body and those Charged with Governance for the Financial Statements

The statutory body is responsible for the preparation of these financial statements that give a true and fair view in accordance with the Act on Accounting and for such internal control as it determines is necessary to enable the preparation of financial statements that are free from material misstatement, whether due to fraud or error.

In preparing the financial statements, the statutory body is responsible for assessing the Company's ability to continue

as a going concern, disclosing, as applicable, matters related to going concern and using the going concern basis of accounting unless it either intends to liquidate the Company or to cease operations, or has no realistic alternative but to do so.

Those charged with governance are responsible for overseeing the Company's financial reporting process.

Auditor's Responsibilities for the Audit of the Financial Statements

Our responsibility is to obtain reasonable assurance about whether the financial statements taken as a whole are free from material misstatement, whether due to fraud or error, and to issue an auditor's report that includes our opinion. Reasonable assurance is a high level of assurance, but it is not a guarantee that an audit conducted in accordance with the ISA will always detect material misstatements, if any. Misstatements can arise from fraud or error and are considered material if, individually or in the aggregate, they could reasonably be expected to influence the economic decisions of users made on the basis of these financial statements.

In an audit conducted under the ISA, we exercise professional judgment and maintain professional scepticism throughout the audit. We also:

- Identify and assess the risks of material misstatement of the financial statements, whether due to fraud or error, design and perform audit procedures to address those risks, and obtain audit evidence that is sufficient and appropriate to provide a basis for our opinion. The risk of not detecting a material misstatement resulting from fraud is higher than for one resulting from error, as fraud may involve collusion, forgery, intentional omissions, misrepresentations, or the override of internal control.
- Obtain an understanding of internal control relevant to the audit in order to design audit procedures that are appropriate in the circumstances, but not for the purpose of expressing an opinion on the effectiveness of the Company's internal control.

- Evaluate the appropriateness of the accounting policies used and the reasonableness of accounting estimates and related disclosures made by the statutory body.
- Conclude on the appropriateness of the statutory body's use of the going concern basis of accounting and, based on the audit evidence obtained, whether a material uncertainty exists related to events or conditions that may cast significant doubt on the Company's ability to continue as a going concern. If we conclude that a material uncertainty exists, we are required to draw attention in our auditor's report to the related disclosures in the financial statements or, if such disclosures are inadequate, to modify our opinion. Our conclusions are based on the audit evidence obtained up to the date of our auditor's report. However, future events or conditions may cause the Company to cease to continue as a going concern.
- Evaluate the overall presentation, structure and content of the financial statements including the presented information as well as whether the financial statements captures the underlying transactions and events in a manner that leads to their fair presentation.

We communicate with those charged with governance regarding, among other matters, the planned scope and timing of the audit and significant audit findings, including any significant deficiencies in internal control that we identify during our audit.

Report on other Requirements of Laws and Regulations

Report on Information Disclosed in the Annual Report

The statutory body is responsible for the information disclosed in the annual report, prepared based on requirements of the Act on Accounting. Our opinion on the financial statements expressed above does not apply to other information contained in the annual report.

In connection with audit of the financial statements it is our responsibility to understand the information disclosed in the annual report and to consider whether such information is not materially inconsistent with audited financial statements

or our knowledge obtained in the audit of the financial statements, or otherwise appears to be materially misstated.

The annual report was not available to us as at the date of issue of the auditor's report on the audit of the financial statements.

When we obtain the annual report, we will consider whether the Company's annual report contains information, disclosure of which is required by the Act on Accounting and based on procedures performed during the audit of financial statements, we will express our opinion considering whether:

- Information disclosed in the annual report, prepared for 2022, is consistent with the financial statements for the relevant year,
- The annual report contains information based on the Act on Accounting.

Additionally, we will disclose whether material misstatements were identified in the annual report based on our understanding of the entity and its situation, obtained in the audit of the financial statements.

24 March 2023
Bratislava, Slovak Republic

Ernst & Young Slovakia, spol. s r.o.
SKAU Licence No. 257

Ing. Tomáš Přeček, Statutory Auditor
UDVA Licence No. 1067

ABBREVIATIONS

| | |
|-------------------|--|
| ALARA | As Low As Reasonable Achievable – the principle of optimisation of radiation exposure of persons |
| BIDSF | Bohunice International Decommissioning Support Fund |
| OHS | Occupational health and safety |
| BRWTC | Bohunice Radioactive Waste Treatment Centre |
| SR | Safety report |
| CP | Civil protection |
| CO | Carbon monoxide |
| CO ₂ | Carbon dioxide |
| C _{org.} | Organic carbon |
| FNF | Fresh nuclear fuel |
| D ₂ O | Heavy water |
| TFA | Tangible fixed assets |
| DCM | Documentation of change and modification |
| EBRD | European Bank for Reconstruction and Development |
| EIA | Environmental impact assessment |
| EC | European Commission |
| EU | European Union |
| LRW FTF | Liquid RAW Final Treatment Facility |
| MRB | Main reactor building |
| INES | International Nuclear and Radiological Event Scale |
| IRAW | Institutional radioactive wastes |
| IMS | Integrated management system |
| ISO | International Organization for Standardization |
| IRAWS | Integral radioactive waste storage facility |
| JAVYS, a. s. | Jadrová a vyradovacia spoločnosť, joint-stock company |

| | |
|-------------|--|
| NS | Nuclear safety |
| NPP | Nuclear power plant |
| JESS, a. s. | Jadrová energetická spoločnosť Slovenska, joint-stock company |
| NI | Nuclear Installation |
| JESS | Jadrová energetická spoločnosť Slovenska, a. s. |
| SC | Safety culture |
| LRAW | Liquid radioactive waste |
| KR HaZZ | Regional Fire and Rescue Corps Directorate |
| L&C | Limits and conditions |
| IAEA | International Atomic Energy Agency |
| ME SR | Ministry of Economy of the Slovak Republic |
| MLSAF SR | Ministry of Labour, Social Affairs and Family of the Slovak Republic |
| ISFS | Interim Spent Fuel Storage |
| MH SR | Ministry of Health of the Slovak Republic |
| MEnv SR | Ministry of Environment of the Slovak Republic |
| LLW | Low-level waste |
| NNF SR | National Nuclear Fund of the Slovak Republic |
| NOx | Nitrogen oxides |
| PMU | Project Manager Unit |
| OR | Operating regulation |
| POSR | Pre-Operational Safety Report |
| RAW | Radioactive waste |
| RF | Russian Federation |
| RM | Radioactive material |
| RMUO | Radioactive material of unknown origin |
| NRWR | National RAW Repository |
| SE, a. s. | Slovenské elektrárne, joint-stock company |
| SE-EBO | Slovenské elektrárne, a. s., Bohunice NPP (V2 NPP) |

| | |
|-----------------|---|
| SE-EMO | Slovenské elektrárne, a. s., Mochovce NPP (EMO1,2) |
| SIEA | Slovak Innovation and Energy Agency |
| SO ₂ | Sulphur dioxide |
| SR | Slovak Republic |
| RAW TCT | RAW treatment and conditioning technology |
| NRA SR | Nuclear Regulatory Authority of the Slovak Republic |
| PHA SR | Public Health Authority of the Slovak Republic |
| FCC | Fibre-concrete container |
| VLLW | Very low-level waste |
| SF | Spent fuel |
| HVAC | Heating, ventilation, and air conditioning |
| CRM | Captured radioactive material |



ANNUAL REPORT 2022

Jadrová a vyradovacia spoločnosť, a. s.

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