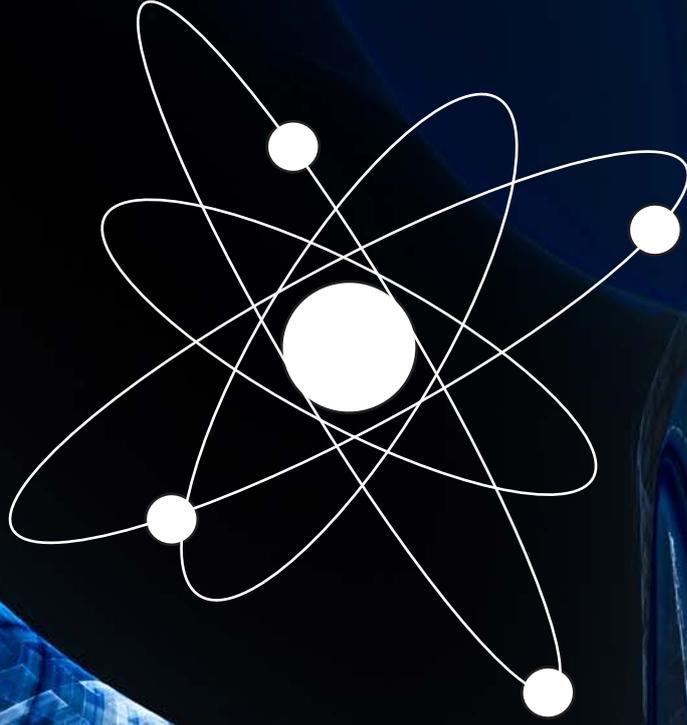


ANNUAL REPORT

2012

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## SPEECH BY THE CHAIRMAN OF THE BOARD OF DIRECTORS AND THE CHIEF EXECUTIVE OFFICER



Dear Ladies and Gentlemen,

Despite generally unfavorable development of economy, also in 2012 the company JAVYS achieved many positive results in performing its tasks in so called final part of nuclear energy in the Slovak Republic. We achieved significant progress not only in decommissioning of the nuclear installations, disposal of radioactive waste and spent nuclear fuel, but also in the field of management of institutional radioactive waste and captured radioactive materials.

Thanks to the company JAVYS, Slovakia is a leader in decommissioning of the nuclear power plants that were shut down prematurely due to accession negotiations with the EU (Slovakia, Lithuania, Bulgaria) regarding the fact that only V1 NPP has obtained a permit to begin with the phase of decommissioning so far. We elaborated a detailed integrated time schedule that also includes scope of works of the first stage of V1 NPP decommissioning. We regularly monitor and update the schedule in order to ensure that the deadline of completion of the stage

of decommissioning in 2014 will be fulfilled. Decommissioning activities are mostly financed from the Bohunice International Decommissioning Support Fund known as BIDSF fund. Separate projects represent partial tasks of the decommissioning process. Suppliers are selected on the basis of transparent and efficient public tenders according to the international procurement rules defined by the European Bank for Reconstruction and Development. Representatives of the European Commission expressed their satisfaction with the state and development of the projects financed or co-financed from the sources of BIDSF funds during their regular monitoring in October 2012.

Model of financing and way of decommissioning is different than in case of the first Slovak nuclear power plant A1. Nowadays, we continuously perform decommissioning of A1 NPP according to the concept of continual decommissioning in five stages. The 2 stage of decommissioning has been performed since 2009. It is planned that it will be completed in 2016. Implementation of works is difficult due to great extent of planned activities, complexity of the systems and existing radiation situation in A1 NPP that was a subject to accident.

Other important activity provided by our company is disposal of separate types of radioactive waste. We are able to ensure processing and treatment of radioactive waste in the most modern and the safest way by nuclear installations with technological lines for their processing and treatment in Jaslovské Bohunice and Mochovce.

During the year we transport and dispose almost three hundreds of containers with radioactive waste from all nuclear installations in the Slovak Republic to the repository of radioactive waste in Mochovce.

In 2012 we transported and took 470 fuel assemblies in the Interim Spent Fuel Storage in Jaslovské Bohunice. After execution of transport of spent nuclear fuel from the reactor units of VVER 440 from V1 and V2 NPP, as well as from two units of NPP Mochovce the spent nuclear fuel is disposed for a long time.

The company JAVYS plays an important social role as a company authorized to ensure treatment of radiators, radioactive waste of unknown origin, unused radiators and captured radioactive materials. In last year, we dealt with tens of captures of radioactive materials that are disposed in our certified stores.

We reliably and safely operate nuclear installations by qualified and competent employees. High professional knowledge of our experts and their longtime experiences enable the company to apply its gained know-how abroad. JAVYS Experts participate on the international project - TACIS for Armenian NPP Metsamor that is financed by the European Commission. We spread our activities also abroad, particularly in the field of processing of the radioactive waste, where we use our special processing technologies. Our approach to modernization of processing lines is very responsible not only in order to increase their capacity, to speed up the processing and treatment of historical, it means of operational radioactive waste.

The company JAVYS also participates on the project of preparation and construction of a new nuclear source in the locality of Jaslovské Bohunice. The company owns 51 % of shares in the joint stock company Jadrová energetická spoločnosť Slovenska. In 2012, the feasibility study was elaborated for the company Jadrová energetická spoločnosť Slovenska. This study includes detailed analysis for defining the most suitable alternative of realization, including a summary of complex information that can be used as a base for decision processes about releasing the sources and permits for performance of further activities in the next phases of the project of the new nuclear source.

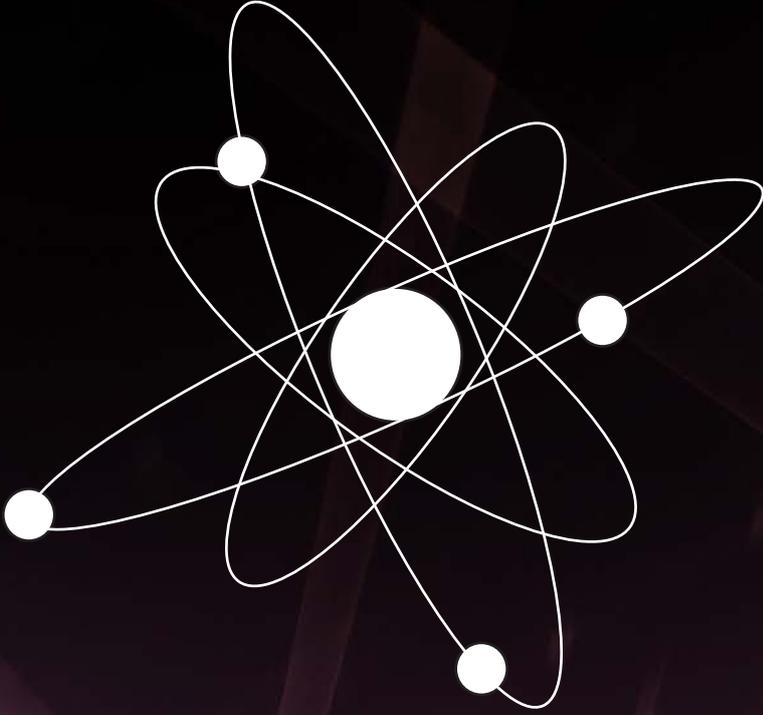
Communication in regions where we operate the nuclear power plants is inseparable part of work. We inform the citizens and representatives of the self-governing regions about our activities and the emphasis is given on observance of safety and protection of health of the inhabitants and the environment. The emphasis is given on providing the information about projects the environmental impacts of which are subject to assessment. Last year, the inhabitants from both nuclear regions expressed their opinions to several proposed activities. The process of assessment of impact of the Integral RAW Storage on the environment was very intensive. This storage is designed for long-time safe storage of the radioactive waste from decommissioning of A1 and V1 NPP. Impor-

tance of this project was also realized by members of Assembly of Contributors of BIDSF projects that approved its financing from this fund. The neighboring countries - the Czech Republic and Hungary also inclined to this opinion. The Austrian government even expressed its support for the construction of the Integral RAW Storage in Jaslovské Bohunice. This construction was also approved by the Ministry of the Environment of the Slovak Republic. Another project was connected on increasing of capacities of the existing fragmentation and decontamination facilities in order to be able to process the radioactive waste from decommissioning of V1 NPP. In Mochovce region, there was a public hearing about completion of the National Repository for disposal of low level radioactive waste and construction of a new repository of very low level radioactive waste. The process of assessment of environmental impacts was finished by issuance of a positive opinion of the Ministry of the Environment of the Slovak Republic with construction of the repository for disposal of institutional RAW and captured radioactive materials in Mochovce.

The company JAVYS is an important employer in the nuclear regions. We have strong human and professional potential that enables us also to provide services on commercial basis, where the quality and low prices prevail. It is important for us to continue in this trend of improvement of performed activities. We will progressively react on actual development on foreign markets and responsibly meet public needs of the Slovak nuclear energy.

Ing. Peter Čižnár  
Chairman of the Board of Directors  
and Chief Executive Officer

COMPANY BODIES  
AND STRUCTURE



## JAVYS Board of Directors

### Chairman

Ing. Ján Horváth (until July 5, 2012)  
Ing. Peter Čižnár (from July 6, 2012)

### Vice Chairman

Ing. Miroslav Obert

### Members

Ing. Ján Horváth (from July 6, 2012)  
Ing. Milan Orešanský (until July 5, 2012)  
Ing. Anton Masár (from July 6, 2012)

## JAVYS Supervisory Board

### Chairman

Ing. Tomáš Drucker (until May 24, 2012)  
RNDr. Ing. Pavol Švec, CSc. (from May 25, 2012)

### Members

Ing. Milan Michalík (until May 24, 2012)  
Ing. Martin Chren (until May 24, 2012)  
Ing. Oto Kopál (until May 24, 2012)  
Ing. Ľuboš Bínovský (until May 24, 2012)  
JUDr. Éva Hortai (until May 24, 2012)  
Ing. Rastislav Sedmák (from May 25, 2012)  
Ing. Marián Zimmermann (from May 25, 2012)  
Ing. Juraj Homola (from May 25, 2012)  
JUDr. Jozef Červenka (from May 25, 2012)  
Ing. Andrej Hanzel (from May 25, 2012 until May 31, 2012)  
Mgr. Kristián Takáč (from June 1, 2012)  
Ing. Daniel Vašina  
Bc. Helena Hlubíková  
RNDr. Roman Jakubec

## Organizational Change

With effectiveness as from 1 January 2012, the organizational change related to provision of effective performance of activities and planned reduction of functional positions was adopted. These requirements were presented by dissolution of one management level, grouping of related activities and merging of departments with small number of positions. As from 1 January 2012, the company JAVYS decre-

ased number of position by 102 positions - from original 999 positions to 897 ones. Also the number of management levels and management positions was lower as of this date. Number of managers decreased from original 132 to 76.

## Organizational Structure



## STRATEGIC PROJECTS

### Company Vision

Our company plays an active role in energy safety in Slovakia and has a strong position within the Central Europe region. In fulfilling the final part of nuclear power engineering, we bear full responsibility and apply competent approach taking maximum safety, quality and environmental protection into consideration. Through our activities and business plans we sustain and increase the prosperity and economic stability of the country.

### Company Mission

Mission of the company JAVYS is:

- operation, maintenance, and decommissioning of nuclear installations,
- spent nuclear fuel management,
- provision of nuclear services within the area of radioactive waste management.

### Strategic Projects

Jadrová a vyradovacia spoločnosť, a. s. hereinafter referred to as „JAVYS“ operates mainly within the final part of nuclear power engineering, which includes nuclear installation decommissioning and provision of nuclear services in the area of processing, treatment, depositing of radioactive waste, institutional radioactive waste, captured radioactive materials, and spent fuel management. The Company has a long history of experience in operating nuclear installations. Within the framework of strategy implementation the Company implements many projects of strategic importance stated in Chapter IX. Investments and XI. Environmental Protection.

Other activities are related to preparation of a new nuclear source. JAVYS is a shareholder of the Jadrová energetická spoločnosť Slovenska, a. s., in which it owns 51 % of the shares. Project of the new nuclear source continues according to set program. The feasibility study prepared in 2012 contains analysis and assessments of the proposed technical alternatives, assessment of suitability of the locality, supplier's system, project management, financial provision and economic analysis of the project of the new nuclear source. This document also contains assessment and evaluation of rentability of the project during its entire lifetime, safety operation of the nucle-

ar power plant in terms of applied nationally and internationally recognized criteria of the nuclear safety and preparation and commissioning of the nuclear power plant into commercial operation as soon as possible. Within the activities for the following period, we have already started with preparation of the process of assessment of impact of the nuclear source on the environment.

## IMPORTANT EVENTS

**January 19 – 23** the company JAVYS carried out the transport of spent nuclear fuel from V2 NPP operated by the company Slovenské elektrárne, a.s., member of ENEL Group, into the Interim Spent Fuel Storage in Jaslovské Bohunice. The company JAVYS transported 96 fuel assemblies in 2 special containers under very strict safety measures.

**January 20** the company JAVYS awarded its employees for responsible work during the final part of nuclear power engineering. 15 employees were awarded. Two employees were awarded for achieved results in post-graduate study. An employee who is hundredfold blood-donor was awarded for deep human attitude and help in saving lives.

**January 20** members of the National Council of the Slovak Republic Július Brocka and Alojz Pridal visited the company JAVYS. They were interested in the activities connected with transport and storage of the spent nuclear fuel, possibilities of deep storage and they also visited Interim Spent Fuel Storage.

**January 26** delegation from Lithuania with the Secretary of the Prime Minister Deividas Matulionis was informed by the company JAVYS about decommissioning of V1 NPP and the way of its financing. Part of this discussion was to find out common procedure in obtaining the finances from the European Union for reduction of consequences of early shutdown of the nuclear power plants.

**February 28** the Ministry of the Environment of the Slovak Republic issued a positive opinion on construction of the facility for institutional radioactive waste and captured radioactive materials in Mochovce.

**February 29** there was a public hearing in Jaslovské Bohunice, where the representatives of the company JAVYS presented impacts of the integral store of the radioactive waste on the environment. The project is performed by the company JAVYS from the sources of the international fund BIDSF, as well as from own sources.

**April 6** the company JAVYS carried out the transport of spent nuclear fuel from NPP in Mochovce to Interim Spent Fuel Storage in Jaslovské Bohunice. The company JAVYS transported 144 fuel assemblies in 3 special containers under very strict safety measures.

**April 11** there was a public hearing in the municipality Nemčiňany, where the representatives of the company JAVYS presented the report about completion of the National repository for disposal of low level waste and construction of the repository for disposal of very low level waste in Mochovce and their impacts on the environment that are planned to be implemented by the company JAVYS.

**May 7 and 11** the company JAVYS transported spent nuclear fuel from Unit 3 of V2 NPP in Jaslovské Bohunice to Interim Spent Fuel Storage. The company JAVYS transported 2x 48 fuel assemblies in 2 special containers under very strict safety measures.

**May 10** the representatives of the company JAVYS presented activities of the company to the ambassador of the Socialist Republic of Vietnam in Slovakia - Mr. Nguyen Xuan Luu and to the first Secretary - Mr. Dao Thanh Cam. The visitors appreciated information about operation of V1 NPP reactors and radioactive waste and spent nuclear fuel management.

**May 21** the company JAVYS was visited by the State Secretary of the Ministry of Economy of the Slovak Republic Dušan Petrik. He visited A1 reactor hall, turbine hall, technological lines for fragmentation and decontamination of the metal radioactive waste and Interim Spent Fuel Storage.

**May 24** representatives of the company JAVYS informed the Finnish Commercial Counselor for Austria - Mr. Werner Merzeder about new projects in the field of decommissioning of NPP and radioactive waste management. They discussed issues regarding the procedure of the Slovak Republic in construction of the deep repository.

**June 13** in Bratislava representatives of the company JAVYS discussed the reports of the company JAVYS with the representatives of the Ministry of Environment of the Slovak Republic that dealt with the process of assessment of impacts on the environment. These reports related to construction of Integral RAW Storage in Jaslovské Bohunice and completion of the National repository for disposal of low level waste and construction of the repository for disposal of very low level waste in Mochovce.

**June 22** Deputy general manager for energy of the International Atomic Energy Agency - Mr. Alexander Byčkov became familiar with the history, way of storage, system of barriers against leakages of radioactivity into the environment, program of monitoring and evidence of the stored radioactive wastes in the repository of RAW in Mochovce.

**July 4** in Győr there were international consultations about the investment projects of the company JAVYS that dealt with construction of Integral RAW Storage in Jaslovské Bohunice and completion of the National repository for disposal of low level waste and construction of the repository for disposal of very low level waste in Mochovce. The representatives of the Ministry of Environment of the Slovak Republic and the representatives of the company JAVYS answered the questions of the representatives of the Department of Protection and Development of the Environment of Hungarian Ministry of Rural Development, Nuclear Regulatory Authority and other institutions.

**July 6** Ing. Peter Čižnár became the Chairman of the Board of Directors and Chief Executive Officer of the company Jadrová a vyradovacia spoločnosť, a.s. New management of the company JAVYS was appointed by the Ministry of Economy of the Slovak Republic on the basis of a decision of the sole shareholder. At the same time, Ing. Miroslav Obert was appointed as the Vice Chairman of the Board of Directors and Ing. Ján Horváth and Ing. Anton Masár were appointed as members of the Board of Directors.

**July 10** Russian scientists - the authors of a concept of pressurized water reactors VVER from the Kurtchatov Institute in Moscow

discussed with the JAVYS specialists about experiences from operation and processes of decommissioning of V1 NPP with reactors, type VVER 440.

**July 16** in Pečeňady, the representatives of the company JAVYS, together with Ing. Peter Čižnár, Chairman of the Board of Directors and Chief Executive Officer, informed the mayors of the municipalities affected by the construction of the storage and members of the Citizens Information Board Bohunice about actual state of the project - Integral storage of RAW and progress of works on decommissioning of V1 NPP in Jaslovské Bohunice.

**August 16 and 17** representatives of the Czech and Slovak Ministry of Environment visited nuclear plants of the company JAVYS in Jaslovské Bohunice and in Mochovce. They positively evaluated a possibility to see technologies used for processing, treatment and final disposal of the radioactive wastes.

**August 30** in Kalná nad Hronom, Chairman of the Board of Directors and Chief Executive Officer, Ing. Peter Čižnár met with the representatives of local self-governmental offices of the municipalities affected by the investment activities of the company JAVYS in the locality of Mochovce. Planned investments are related to completion of the National repository for disposal of RAW, construction of the repository for disposal of very low level waste, and facilities for institutional RAW and captured radioactive materials management.

**September 5 and 24** representatives of the project team from Kenya dealing with nuclear energy visited V1 NPP in order to acquire knowledge and information which they can apply during the construction of the first nuclear power plant in Kenya.

**September 22** the company JAVYS carried out the transport of spent nuclear fuel from NPP in Mochovce to Interim Spent Fuel Storage in Jaslovské Bohunice. The company JAVYS transported 144 fuel assemblies in 3 special containers under very strict safety measures.

**September 26** there was a public hearing in the municipality Veľké Kostoľany about report on impact of the activity concentrated on increasing of the capacity of existing fragmen-

tation and decontamination facilities from current 200 tones to 250 tones of metal radioactive waste per year. The facilities are a part of RAW Processing and Treatment Technologies.

**September 27** the Ministry of Environment of the Slovak Republic issued a positive opinion on construction of the Integral RAW Storage in Jaslovské Bohunice.

**October 4 and 5** representatives of the European Commission from the field of energy Marcel Reháč and Mark Vangampelaere visited Slovakia within the regular monitoring of state and development of the projects financed or co-financed from the sources of BIDSF fund in Slovakia. They praised opened and transparent approach of the representatives of the company JAVYS during monitoring of decommissioning works in V1 NPP.

**November 14** in the area of the company JAVYS in the locality of Jaslovské Bohunice and in the area of the railway station of the municipality Siladice, the overall cooperation emergency drill regarding the transport of the radioactive materials „ATLAS 2012“ was held. It concentrated on accident and the risk of accident during transport of the spent nuclear fuel on railways of ŽSR. According to two scenarios the participating entities trained activities in case of health problems of members of accompanying staff and in case of sabotage with the aim to stop the train.

**November 16** specialists from the company JAVYS helped to secure and dispose radioactive waste from the cargo airplane that had accident at the airport of M. R. Štefánik in Bratislava. The consignments that were transported were intended for medical purposes.

**November 20** there was a meeting of the specialists from the company JAVYS and the International Atomic Energy Agency represented by Irena Mele, Head of IAEA's Waste Technology Section and Paul Dinner, the external consultant of Nuclear Fuel Cycle and Technology of RAW Management Division. During the visit of the nuclear facilities, they tried to find out possibilities for cooperation in the field of nuclear safety, treatment and storage of RAW.

**November 28** representatives of the company JAVYS presented current and planned activities connected with decommissioning of NPP, radioactive waste and spent nuclear fuel management to the mayors of the cities and the municipalities from the Association of cities and municipalities of Jaslovské Bohunice region during the seminar of Citizens Information Board Bohunice in Veľké Kostoľany. During the discussion, the self-government representatives were interested in content of BIDSF projects and in themes related to setting of zones of hazard and nuclear damages insurance.

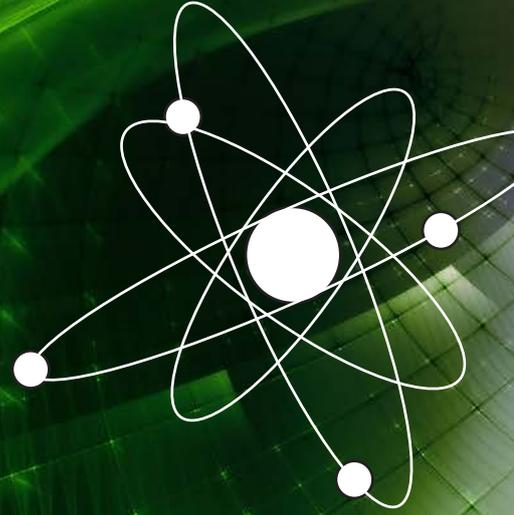
**December 13** the company JAVYS obtained internationally recognized certificates according to the standards ISO 9001, 14001 and OHSAS 18001 granted by the certification company Det Norske Veritas. These certificates confirm that the process control of management systems in the field of quality, environmental management, occupational health and safety in the company JAVYS meets high criteria and requirements of the international standards.

**December 13** the specialists from the company JAVYS solved the last 33rd case of captured sources of ionizing radiation of unknown origin in 2012. The captured radioactive materials, such as components of agricultural and military technique, parts of the pipelines with deposited radioactive scale, filling of the walls safe-deposit boxes, fire-clay lining of the boilers and other, are stored in certified storages of the company JAVYS.

**December 20** the company JAVYS successfully realized processing and reduction of volume of solid compressed radioactive waste for a business partner in Czech Republic. In total, the company JAVYS processed 9,916 kg of wastes that were in compliance with internationally valid regulations transported back to the Czech Republic.

# V1 NPP DECOMMISSIONING

V1 NPP DECOMMISSIONING



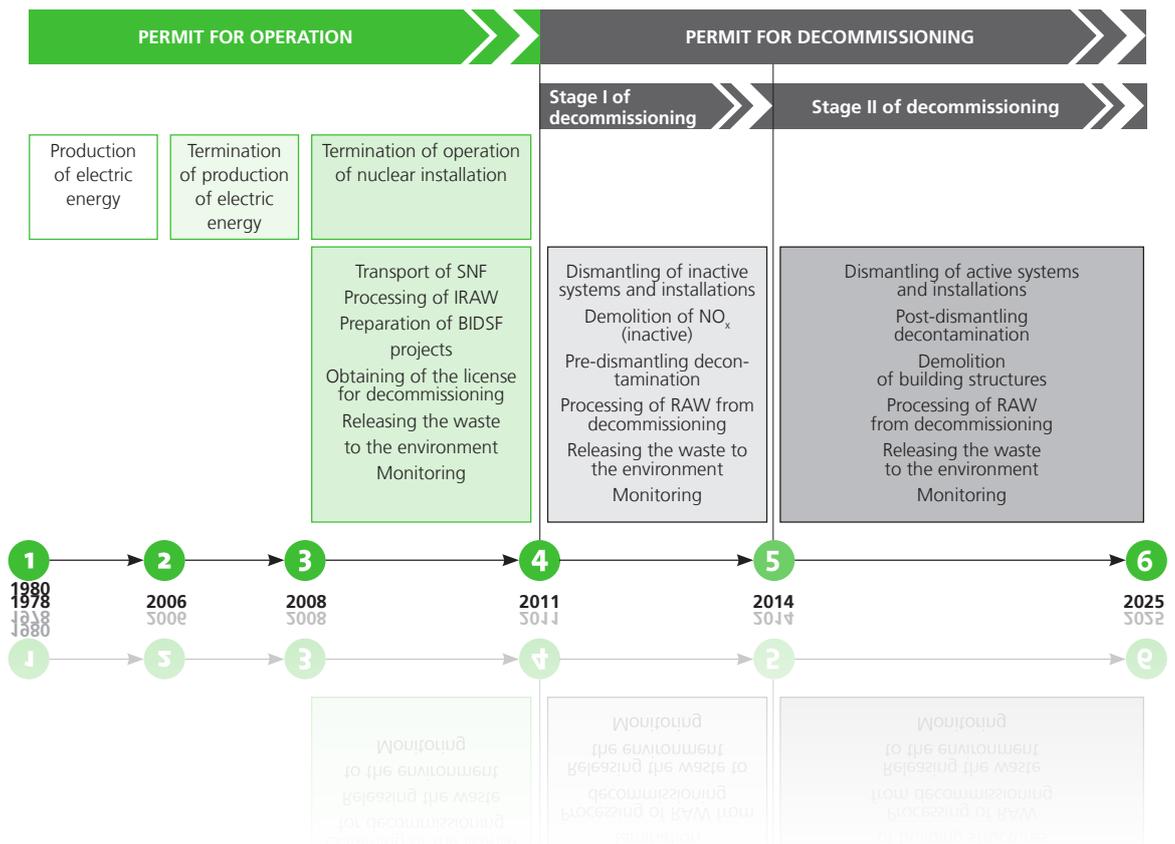
On 20 July 2011 V1 NPP officially finished its operation and enters into the phase of decommissioning on the basis of the Decision of the NRA SR No. 400/2011 and gets „Permit for the phase 1 of decommissioning of the nuclear installations of V1 NPP Unit 1 and 2“. During the entire year 2012, within the 1st phase of decommissioning, the both units of V1 NPP were in the mode D1. Operation of V1 NPP installations necessary during the 1st phase of decommissioning was stable, safe and controlled in terms of valid operational regulations.

The aim of V1 NPP decommissioning is to achieve exemption of the nuclear installations from the competence of the Nuclear Act by dismantling the installations, demolition of the buildings and cleaning the locality so it can be used for other purposes. During 2012, the activities connected with decommissioning of V1 NPP were performed according to the Plan for the 1st phase of decommissioning and in compliance with the Decision no. 400/2011 for Permit for the phase 1 of decommissioning of V1 NPP. During 2012 decommissioning of V1 NPP proceeded in ac-

cordance with the Plan for Phase 1 of the decommissioning of V1 NPP.

In 2012, the document Strategy of the Decommissioning of V1 NPP Bohunice was updated. This document contains a compact plan of all activities connected with decommissioning assumed at the moment including the ones that are being performed and are directly connected with the process of decommissioning of V1 NPP. Current strategy of V1 NPP decommissioning was created in 2012 for the first time as a joint work of the Consultant - PMU (a consortium of three Spanish companies) and the company JAVYS. Part of the document was created by the company JAVYS on the basis of the experiences from decommissioning of V1 NPP during current activity of PMU. The strategy of V1 NPP decommissioning was approved in November 2012 in the company JAVYS and presented on the Assembly of Contributors of the BIDSF fund in London in December 2012. The document includes the planned activities for the entire period of decommissioning, it means until the end of the year 2025.

### Time schedule of V1 NPP Decommissioning



In 2012, the following activities of V1 NPP decommissioning were the main performed activities: dismantling of unnecessary installations and systems that were not contaminated, processing of not contaminated waste, securing and disconnection of the systems, realization of project changes and modifications of the systems, modification, project changes and modifications of the equipment and systems used within V1 NPP decommissioning, successive processing of historical radioactive waste, preparatory activities for the projects of the following II. Stage of decommissioning of V1 NPP.

### Activities related to Grants for BIDSF Projects in 2012

In March 2012 there was a meeting of the Committee of the European Commission (NDAP), where Combined Programming Document for 2012 was approved and finances to BIDSF fund for 2012 were allocated. The Combined Programming Document is a document of Directorate for Energy (DG ENER) of the European Commission for annual allocation of finances from the budget of the EU to the BIDSF fund within the Financial Perspective of the EU for 2007 - 2013.

The common body of the Slovak Republic and the European Bank for Reconstruction and Development (EBRD) established for the mutual sharing of information on the implementation of the BIDSF activities, is the Joint Committee of the Slovak Republic and the EBRD. In May 2012, three BIDSF projects were presented in the meeting of the Joint Committee and approved on the national level. Subsequently, they were submitted to the Assembly of Contributors of BIDSF fund for their approval and allocation of the grant for their financing from the sources of BIDSF fund. They were the following projects:

- B6.6A Decommissioning Support Surveys,
- D2.1 Decontamination of Spent Fuel Pools and Other Contaminated Tanks in the V1 NPP - Part 1,
- D4.3A Dismantling of Insulation in the V1 NPP Controlled Area.

In November 2012, a meeting of Joint Committee of the Slovak Republic and the EBRD was held, where three new projects of BIDSF projects were presented. The aforementioned projects were approved and consequently grants were allocated to them in the Assem-

bly of Contributors of the BIDSF in December 2012. Grant Agreements by and between the company JAVYS and EBRD for financing the projects from the sources of BIDSF fund were concluded for the following projects:

- C9.4 Design and Erection of New RAW Disposal Repositories for LLW and VLLW from V1 NPP Decommissioning at RWR RAW Mochovce,
- D4.4B Dismantling of Systems in V1 NPP Controlled Area - Part 1,
- D0 Implementation of the Decommissioning Programme Using the Human Resources Available at Bohunice V1 Nuclear Power Plant (Project 6, January 2013 - December 2013).

Within the project D4.4B, a pilot model of financing of RAW disposal from decommissioning of V1 NPP by own human resources of the company JAVYS was approved.

Financial sources for granting of new projects amounting to EUR 62,304 mil. were allocated for 2012.

Financial sources exceeding the allocated sum were covered from the sources that were not spent during the previous years. Thanks to this, we were able to observe the granting plan on 112 %.

By 2012, the company JAVYS has concluded 15 Grant Agreements for financing the V1 NPP decommissioning projects from the BIDSF sources with the EBRD, totalling to € 350,03 mil.

### Activities related to Concluding the Contracts with Contractors of BIDSF Projects

Procurement of projects financed from BIDSF is governed by EBRD procurement policy and rules which define open public procurement in their articles and provisions. EBRD Procurement Rules are created within the public procurement procedures and rules of the World Trade Organization and Government Procurement Agreement (WTO/GPA). EU member states, Switzerland, and the EBRD countries of operations may participate on the tenders.

In 2012 seven tenders were concluded successfully. These tenders resulted in concluding the contracts in total amount of EUR 32,092,861.86. The respective contracts were concluded for the following projects:

- A1.6 PMU Consultant (Stage 6)
- 6.7 Report on Environmental Impact Assessment of Stage 2 of the Decommissioning of V1 NPP
- C7-A3 Construction of New Large Capacity Fragmentation and Decontamination Facility in the V1 NPP
- C7-B Processing of Historical Waste - Sludges and Sorbents
- C13 Disposal of Loose Radwaste
- D2 Decontamination of the Primary Circuit
- D7.1 Feasibility Study for Management of V1 NPP Primary Circuit Components

These projects are planned to be implemented till the end of 2015.

Almost nine-year-old contract concluded in 2003 by and between the company Slovenské elektrárne and the Consortium of EdF, IBERDROLA, SOLUZIONA (current name INDRA) and EMPRESARIOS AGRUPADOS, with five stages of Consultant services and ten amendments to the original contract, finished in July 2012. Mutual negotiations between the company JAVYS, EBRD and current Consortium resulted in conclusion of a new contract with current Consortium of IBERDROLA, INDRA and EMPRESARIOS AGRUPADOS, containing new terms and conditions that are more favorable for the company JAVYS. This contract has been executed since August 2012 as Stage 6 of the services of the Client/Consultant.

## Implementation of BIDSF Projects in 2012

### Projects being Implemented

- A3-A Reconstruction of Physical Protection System of the Area – AKOBOJE (Automated Safety Protection Complex)
- A5-A2 Modification of JAVYS and SE Power Supply Scheme after V1 NPP Final Shutdown
- A5-C Modification of Cooling and Service Water Systems and Raw Water Inlet System
- A6/B8 PMU Administrative Building/V1 NPP Decommissioning Center
- B6.7 Report on Environmental Impact Assessment of Stage 2 of the Decommissioning of V1 NPP
- C7-A2 Increasing Capacity of Existing Fragmentation and Decontamination Facilities
- C7-A3 Erection of the New Large Capacity F&D Facility V1 NPP
- C7-B Processing of Historical Waste - Sludges and Sorbents

- C7-C Treatment and Conditioning of Historical Waste
- C10 Free Release of Decommissioning Materials
- C13 Disposal of Loose Radwaste
- D0 Implementation of Decommissioning Programme Using Human Resources Available at V1 NPP Bohunice: Project 1, Project 2, Project 3, Project 4.1, Project 4.2, Project 5
- D7.1 Feasibility Study for Management of V1 NPP Primary Circuit Components

### Finished Projects

- A1.5 PMU Consultant (Stage 5)
- A3-B Reconstruction of Public Warning System and Notification System
- A5-D Modification to Site Supplies of Essential Fluids Systems
- C12 Refurbishment of the Radiation Protection Monitoring Equipment
- C7-C Treatment and Conditioning of Historical Waste
- D1.1 Dismantling of Insulation in the V1 NPP Turbine Hall

### Financing of Decommissioning in 2012

The decommissioning of V1 NPP in Jaslovské Bohunice is co-financed from the V1 NPP International Decommissioning Support Fund (BIDSF). Disbursement of funds from the BIDSF for the implementation of individual projects is made on the basis of grant agreements concluded between the company JAVYS and the European Bank for Reconstruction and Development (EBRD).

The costs that were spent on implementation of V1 NPP decommissioning in 2012, including management of radioactive waste from decommissioning were in the amount of EUR 38,519,822, of which EUR 17,465,603 were paid from BIDSF fund, EUR 8,398,974 from NNF and EUR 12,655,245 were paid from own sources of the company JAVYS.

Implementation of V1 NPP decommissioning activities together with the results gained in 2012 in compliance with the decisions of the regulatory authorities and legislations create pre-suppositions for proper implementation of V1 NPP decommissioning activities according to the Plan of Stage 1 of V1 NPP Decommissioning. The activities were implemented in such a way that general safety, radiation protection and protection of the environment in acceptable scope, as well as preservation of continuity of the process of decommissioning were observed.

A1 NPP DECOMMISSIONING



In terms of the National Strategy of final part of the peaceful use of nuclear energy in the Slovak Republic, A1 NPP decommissioning is divided to five stages with the completion planned in 2033. Nowadays, the works are implemented according to the Plan of Stage II of A1 NPP Decommissioning that has been carried on since 2009 and will be finished in 2016.

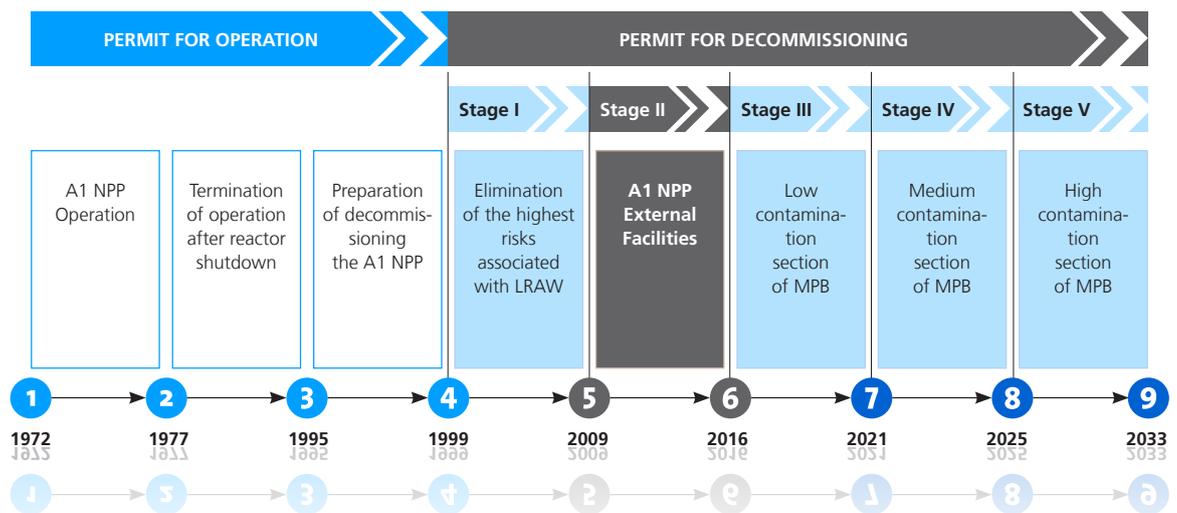
In 2012, the main objective of activities performed within the decommissioning of A1 NPP was to continue the works directed towards increasing the safety level of the broken down A1 NPP and decreasing the risk of its impact on both radiation and environmental protection by means of continuous processing of operational RAW, RAW from

decommissioning, and lowering the radioactivity of technological equipment and premises by disassembly of non-operated facilities and part of the building constructions in A1 NPP.

In 2012, the decommissioning of the A1 NPP proceeded in accordance with the activities planned for Stage 2 of the Decommissioning Project for A1 NPP and was divided into four groups of tasks:

1. Decommissioning of non-operated installations and structures, reconstruction of structures after dismantling and cleaning the premises
2. RAW management
3. Contaminated soil management
4. Technical support and environmental protection

### Time schedule for A1 NPP decommissioning activities



In 2011, the safety requirements defined in the Slovak legislation and the requirements stipulated in decisions issued by the respective regulatory and surveillance authorities - NRA SR, Public Health Authority of the Slovak Republic and the Ministry of Environment of the Slovak Republic were met.

The following activities went on within Stage 2 of the Decommissioning Project for A1 NPP, focusing on:

- decommissioning of technological installations and construction units of external structures,
- decommissioning of external pools to the final state that their content may be released to the environment, including recultivation of surfaces for their further use,
- decommissioning of technological installations of the A1 NPP main production building,

- continual solution of the issue of A1 NPP Long - Term Storage by re - storing of bottom sediments from the long - term storage pool and downtherm processing,
- continuation in priority elimination of the environmental burden of buildings in connection with construction of the new nuclear source,
- pre-treatment of RAW from decommissioning into the form storable at the NRWR,
- contaminated soil and concrete management.
- preparation of the project for disposal of very low level waste at the repository NRWR Mochovce, including the process of assessment of impacts on the environment..

In terms of protection of the environment, important activities were implemented in connection with redevelopment pumping of underground water and processing of radioactive sludge and liquid RAW from the tanks in A1 NPP.

One of the priorities is decommissioning of the above A1 NPP external facilities to the final state representing no environmental burden. Impact of A1 NPP decommissioning activities on the environment was monitored within the tasks of A1 NPP decommissioning project by monitoring of the environment in the immediate vicinity of A1 NPP.

The financial costs spent on implementation of the activities in 2012 were covered from the National Nuclear Fund of the Slovak Republic and from own sources of the company JAVYS.

The costs that were spent on implementation of A1 NPP decommissioning in 2012, including management of radioactive waste from this decommissioning were in the amount of EUR 36,945,268, of which EUR 16,800,024 were paid from NNF and EUR 20,145,244 were paid from own sources of the company JAVYS.

In 2012, the planned activities of A1 NPP decommissioning were implemented to their full extent.

Implementation of the A1 NPP decommissioning activities and the results achieved in 2012 helped to maintain the preconditions

for securing and observing the terms and conditions resulting from the Decision of NRA SR No. 178/2009 and 842/2010, the Decision of the Public Health Authority of the Slovak Republic No. OOPŽ/4618/2012, the Final opinion of the Ministry of Environment of the Slovak Republic No. 5936/2002-1.12 and for fulfilling the legislative requirements to ensure the activities of A1 NPP decommissioning, so that the plan of the Stage 2 of A1 NPP decommissioning can be met within the planned schedule. The activities were implemented in such a way that nuclear and general safety, radiation protection and protection of the environment in acceptable scope, as well as preservation of continuity of the process of decommissioning, were observed.

## RADIOACTIVE WASTE AND SPENT NUCLEAR FUEL MANAGEMENT

Individual activities within the whole process of radioactive waste (RAW) and spent nuclear fuel (SNF) management were implemented in the nuclear facilities of the company specified below, to ensure that the conditions of nuclear safety, radiation protection and environmental protection were observed:

- **RAW PTT** - Technologies for RAW Processing and Treatment in Jaslovské Bohunice
- **FP LRW** - Final Processing of Liquid Radioactive Waste in Mochovce
- **NRWR** - National Radioactive Waste Repository in Mochovce
- **ISFS** - Interim Spent Fuel Storage in Jaslovské Bohunice

### TECHNOLOGIES FOR RAW PROCESSING AND TREATMENT

The nuclear installation - Technologies for RAW Processing and Treatment - became of key importance for implementation of the A1 NPP decommissioning process, V1 NPP decommissioning, releasing of the radioactive waste stock from the operated V2 NPP and EMO Units 1 and 2 that are operated by the company Slovenské elektrárne, a.s., as well as the liquidation of radioactive waste from non - nuclear facilities. They consist of the Bohunice RAW Treatment Center (BRWTC), bituminization lines technologies, low - radiation water treatment plant, technologies for sorting, fragmentation and decontamination of metal radioactive materials, and technologies for processing of the used air - condition filters and cables.

In the low - radiation water treatment plant low - radiation water is condensed and radioactive concentrate is generated that is subsequently solidificated on the bituminization line.

### Amount of low - radiation water processed in the water treatment plant (m<sup>3</sup>)

V1 NPP	V2 NPP	A1 NPP	Total
0	57.94	1362.40	1420.34

The bituminization unit comprises two lines for processing radioactive concentrates in film rotor vaporizers (PS 44 and PS 100), a low - radiation water treatment unit for condensation of low - radiation water constructed as a part of line PS100 technology and from a discontinuous bituminization line for processing radioactive ion exchangers. The final bituminization product is discharged into 200 litre barrels and transported to the BRWTC for further treatment.

### Amount of radioactive concentrates processed in film rotor evaporators of bituminization lines (m<sup>3</sup>)

V1 NPP	V2 NPP	A1 NPP	Total
0	0	45	45

After successful final building approval, the discontinuous bituminization line was put into operation in July 2012. Radioactive saturated ion exchangers from A1 NPP and V1 NPP were processed on this line by their drainage, drying and mixing with bitumen matrix.

### Amount of radioactive ion exchangers processed in discontinuous bituminization line (m<sup>3</sup>)

V1 NPP	V2 NPP	A1 NPP	Total
14.40	0	6.19	20.59

In 2012, there was a reconstruction of separate technologies of RAW processing and treatment performed in BRWTC. The aim of this reconstruction was to increase the capacity of RAW management, particularly technologies of incineration, super-compression, concentration and cementation of RAW, while within the complex testing of separate technologies and subsequent operation, processing of solid, liquid RAW and saturated radioactive ion exchangers was proceeded.

## Amount of solid and liquid RAW and radioactive ion exchangers processed in the incinerator

RAW	V1 NPP	V2 NPP	EMO 1, 2	A1 NPP	Total
<b>Solid (t)</b>	1.958	7.279	6.129	15.206	30.572
<b>Liquid (m<sup>3</sup>)</b>	0	0	0	0.300	0.300
<b>Ion exchangers (m<sup>3</sup>)</b>	18.060	0	0	0	18.060

## Solid RAW processed on the super-compacting facility (t)

V1 NPP	V2 NPP	EMO 1,2	A1 NPP	Total
9.334	20.937	10.503	247.509	288.282

## Amount of the concentrate and LRAW processed on the cementation line into fibre-concrete containers (m<sup>3</sup>)

Action	V1 NPP	V2 NPP	EMO 1,2	A1 NPP	Total
<b>Liquid RAW concentrating (m<sup>3</sup>)</b>	0	51.3	0	0	51.3
<b>Cementation</b>	26.102	21.748	0	177.435	225.285

In 2012, 242 fibre-concrete containers were filled in BRWTC and 224 containers were transported to the NRWR.

In the former A1 NPP turbine hall there is a workplace for sorting, fragmentation and decontamination of metallic radioactive materials, and their release into the environment. Metallic RAW, once fragmented into prescribed size, are decontaminated either by a jet (dry method) or on a large-capacity decontamination line (wet method), and the objective is to decontaminate metallic waste below the limit permitting the release of metallic material into the environment.

## Amount of metallic RAW processed by sorting, fragmentation and decontamination technologies, including monitoring into the environment (t)

Action	A1 NPP
<b>Disassembly and sorting</b>	150
<b>Fragmentation</b>	180
<b>Decontamination</b>	140
<b>Monitoring into the environment</b>	463

## Amount of processed metallic RAW from V1 NPP and V2 NPP (t)

V1 NPP	V2 NPP	Total
0	1.639	1.639

In 2012 the workplace for processing of used HVAC filters was successfully approved as capable and put into operation. From the workplace for processing of used HVAC filters, shredded filters are either transported in polyethylene bags into the BRWTC incinerator or once chemically treated, they are sent in 200 liters barrels to be processed in the super-compacting unit in BR WTC.

## Amount of processed HVAC filters (t)

V1 NPP	V2 NPP	A1 NPP	BSC	Total
1.52	0	4.005	6.064	11.589

## RAW TRANSPORTS

In 2012, 254 transports of RAW in certified transport containers were accomplished.

Transport packaging unit	Number of transports
200 l barrel Meva	105
ISO container	22
PK I / DOW	2
PK II / KALY (SLUDGES)	0
PK III / SUDY (BARRELS)	8
PK / SK	66
FCC	151
Total	354

## FINAL PROCESSING OF LIQUID RAW

In the nuclear facility Final Processing of Liquid Radioactive Waste in Mochovce there are technologies for bituminization of radioactive concentrates in the film rotor evaporator, a discontinuous bituminization line for fixing radioactive ion exchangers, a line for concentration of radioactive concentrates and a cementation line used for the treatment of processed RAW into the fibre-concrete Containers.

## Amount of solid and liquid RAW and saturated radioactive ion exchangers processed in FP LRW

Action	V2 NPP	EMO 1,2	A1 NPP	V1 NPP	Total
Bituminization of radioactive ion exchangers (m <sup>3</sup> )	0	5.7	0	0	5.7
Concentration of liquid RAW - concentrate (m <sup>3</sup> )	0	194.33	0	0	194.33
Bituminization of the concentrate (m <sup>3</sup> )	0	91.75	0	0	91.75
RAW cementation (m <sup>3</sup> )	30.06	139.98	0.22	0	170.26

In 2012, 65 fibre-concrete containers were filled in BRWTC as a final product and 78 containers were transported to the NRWR.

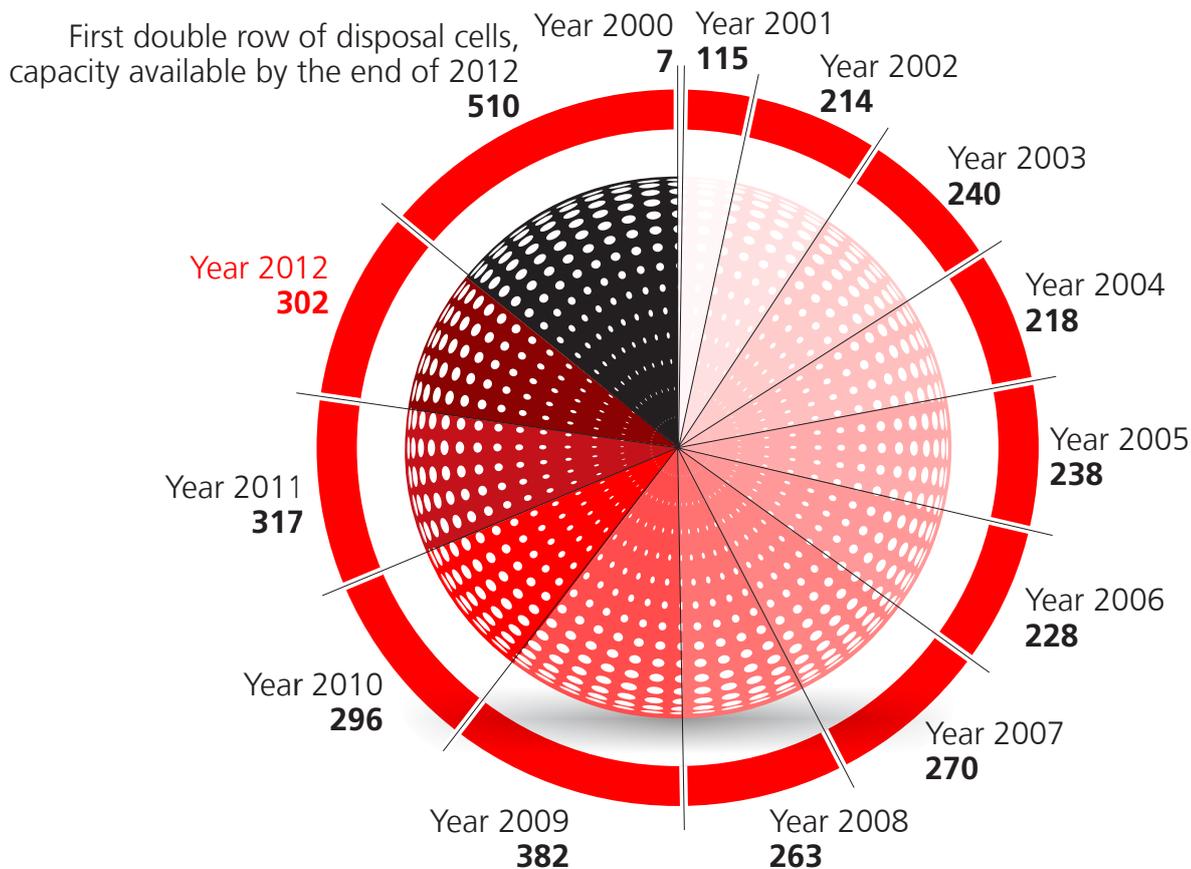
## THE NATIONAL RADIOACTIVE WASTE REPOSITORY

The National Radioactive Waste Repository in Mochovce is a surface repository used for final deposition of treated low-active RAW generated in the operation and decommissioning of nuclear installations in Slovakia, as well as the institutional RAW and captured radioactive materials. Fibre-concrete containers

transported from BRWTC in Jaslovské Bohunice and from FP LRW in Mochovce are placed in the repository. In 2012, 302 fibre-concrete containers with processed RAW were deposited here.

Results from monitoring of impact of NRWR operation on the environment clearly show that the NRWR has no adverse environmental impact.

## Current review of gradual NRWR filling as of 31 December 2012



The overall capacity of the first double row is **3,600** FCC containers.

### INTERIM SPENT FUEL STORAGE

After spent nuclear fuel generated in the reactor units of nuclear power plants in Slovakia is taken from the reactor, at first it is stored in the storage pools near the separate reactor units and only then it is transported to the Interim Spent Fuel Storage in Jaslovské Bohunice for the long-term storage. It is an interim storage of wet pool type. Spent nuclear fuel is deposited in pools filled with de-mineralized water. The water serves as a coolant and, at the same time, as a biological protection against radioactivity.

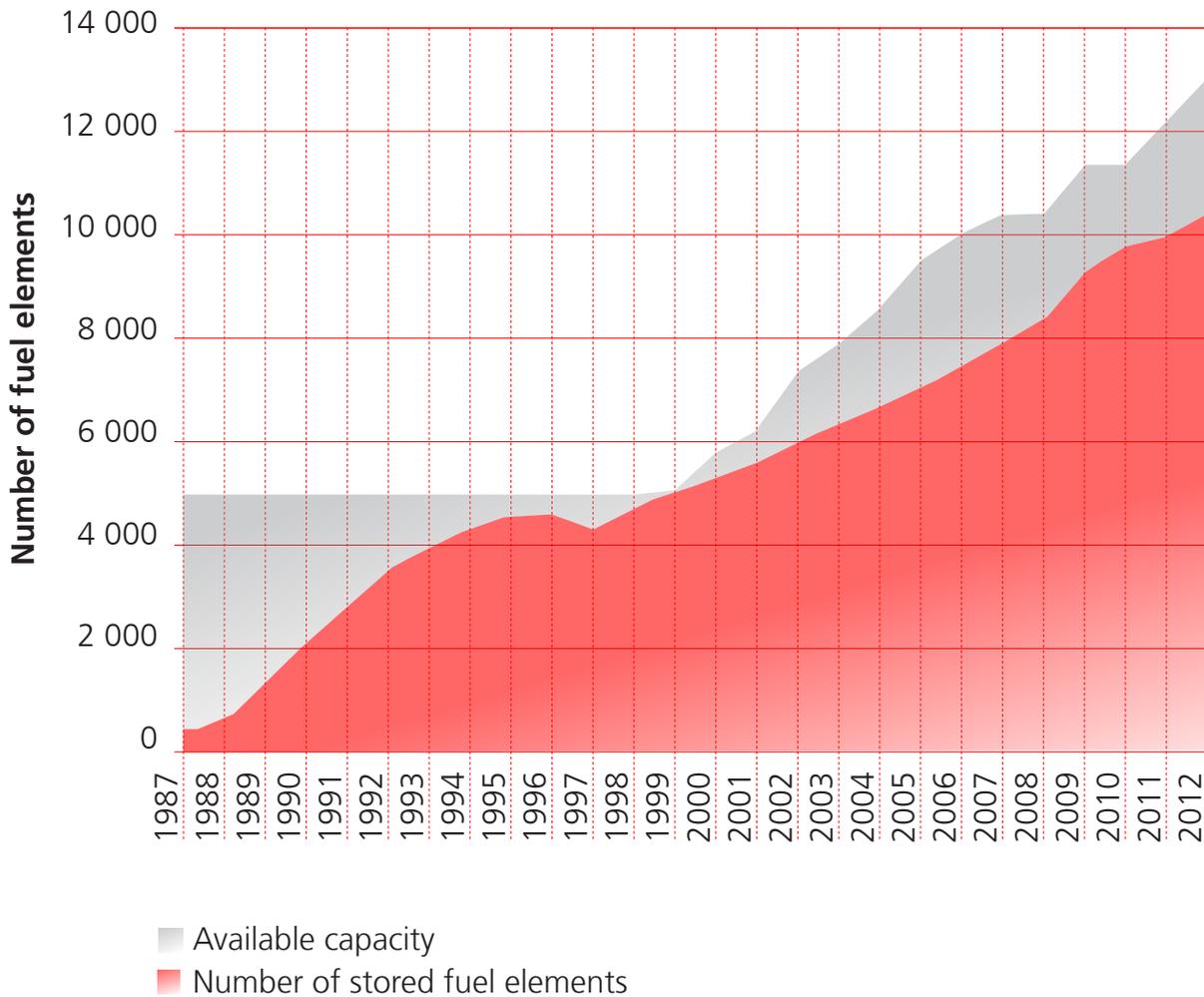
During 2012, in terms of the Transport Plan, four internal transports of 182 fuel assemblies from V2 NPP units were conducted. Two off-site transports of 288 fuel assemblies from EMO 1, 2 units were conducted. The total

number of 470 spent fuel assemblies were transported to ISFS during 2012. Transport containers - type C-30 and special railway wagons - of Uaais series, type 9-713.0 were used for transports.

The transports were conducted in accordance with terms and conditions stipulated in the decisions issued by the NRA SR, applicable operational regulations and observing the limits and conditions for ISFS installations operation.

In 2012, spent nuclear fuel was stored in three storage pools in holders of KZ-48 and T-13 type. The fourth pool was used as a reserve. As of 31 December 2012, there were 10,596 fuel assemblies deposited in ISFS.

## Current review of gradual ISFS filling as of 31 December 2012



### IRAW AND CRAM MANAGEMENT

The company JAVYS is an authorized company for management of spent radiators, radioactive waste of unknown origin, unused radiators and captured radioactive materials. The company established its activity in this field on the basis of the Decision of NC SR No. 348/2006 Coll. and in terms of valid decision of the Public Health Authority of the Slovak Republic and the Ministry of Transport, Construction and regional Development of the Slovak Republic. In 2012, the company carried out 33 captures of sources of ionizing radiation of unknown origin. They mostly included components of agricultural and military technique, parts of the pipelines with deposited radioactive scale, filling of the walls safe-deposit boxes, and fire-clay lining of the boilers. In terms of their contamination, we measured mainly radionuclides  $^{60}\text{Co}$  and  $^{226}\text{Ra}$ .

Under the Decision of the NRA SR No. 483/2011 on 15 February 2012, the company JAVYS transported samples of natural Uranus in powder form with the content of mixture of isotopes  $^{235}\text{U}$  and  $^{238}\text{U}$  in the special shielding container to the Lawrence Livermore National Laboratory in the United States of America.

Beside the activities of CRAM management, on 16 November 2012, the employees of the company JAVYS carried out activities for the company DHL EXPRESS (Slovakia) connected with radioactive material designated for medical purposes. This activity was performed due to accident of the airplane of the company DHL at the airport of M. R. Štefánika in Bratislava.

## TRADE AND SERVICES

In 2012, the active business activities of JAVYS were focused primarily on the following areas:

### Services in the Area of Radioactive Waste and Spent Fuel Management

Provision of services in area of processing and storage of radioactive waste, as well as spent fuel management has been done on the basis of the business relationship with SE, a.s., established by the concluded contract on provision of nuclear services and the contract with the company ČEZ, a.s. on provision of super-compacting services.

### Services and Other Activities Necessary for Ensuring Nuclear Safety, Radiation Safety and Operational Reliability

The basis for the above is the Framework contract on terms and conditions of services and activities between the companies SE, a.s. and GovCo, a.s (later JAVYS).

JAVYS also provides other services that are necessary for safe operation of the nuclear power plant and are related especially to preparation of the personnel for NEI, personal dosimetry and radiation protection, calibration of devices, services related to common use of equipment, services in the area of emergency planning and preparedness, transportation services, steam supply, and rental of non-residential premises and facilities to SE, a.s.

These services have been covered and provided in accordance with the respective service contracts concluded with the company SE, a. s., and these are based on the Framework Contract on Provision of Services and Activities between the companies SE, a. s. and JAVYS.

### Residential and Non - Residential Premises Rental and Related Services

The rental of real estate and non - residential premises is provided mainly for the present suppliers of works and services for the company JAVYS, but also for entities that do not have supply relationship with the company JAVYS.

In 2012, 8 new rental contracts on real estate and non - residential premises were con-

cluded, as well as 31 addenda to the existing rental contracts to agree on contractual prices for 2012, adjustments and specification of the subject - matter of rental, and the business terms and conditions of contracts on real estate and non - residential premises. 3 rental contracts were terminated this year.

The rented property is used as offices, changing rooms, warehouses, assembly halls, production plants, apartments or lands and parking areas.

### Other Services and Sales of Useless Assets

Within its business activities, JAVYS also offers other services and supply of different media. These are mainly: collection, transportation, processing and storage of IRAW, common use of railway siding, provision of training and consultations, dosimetric services, supply of demineralized water, water and sewer services, heat, sale of surplus materials, facilities, spare parts, etc.

In 2012, **19 cases of sale of surplus assets and stocks** were performed (completed), the total revenues of which were amounted to EUR 731,167 (without VAT).

Other services are provided under the Framework contract on terms and conditions of services between JAVYS and JESS in particular in the area of assets administration, media supply, environmental services, Occupational Safety and Health (OSH), FP, CP, radiation protection, information and communication technologies, administrative activities, etc.

These services are provided in accordance with applicable active service contracts. At the same time, the company JAVYS provided and ensured contractual service of 47 contracts for the company JESS.

### Revenues from the Main Business Activities for 2012 (in thousands Eur)

RAW and Spent Nuclear Fuel Management	18,106
Other Services	5,052
<b>Total</b>	<b>23,158</b>

## INVESTMENTS

In 2012, JAVYS implemented investment projects in the total volume of EUR 21,473 thousands. The investment projects were focused on technological and non - technological buildings and installations needed for the main activities of the Company.

### **Nuclear Power Plant A1 (A1 NPP)**

Implementation of the tasks assigned within Stage II of the decommissioning of A1 NPP continued in compliance with the updated Record on Works performed in 2012. The project also included supplies and works connected with decommissioning of non-operational installations and structures A1 NPP, RAW and contaminated soil management. Reconstruction of the ventilation stack monitoring system, part A was performed. The company JAVYS paid projects connected with A1 NPP fully from its own sources.

### **Nuclear Power Plant V1 (V1 NPP)**

In 2012, modernization of radiation protection monitoring equipment for V1 NPP decommissioning and reconstruction of the public warning system were performed. The selected contractor finished construction works, installation of new systems and equipment and their testing within the modification of the cooling, technical, and raw water system during the stage of V1 NPP decommissioning. The reconstruction of the physical protection system - AKOBOJE continued without any problems. Construction works were finished and new equipment was installed within the project of releasing the materials into the environment from V1 NPP decommissioning. Due to change of power supply scheme of the company JAVYS, after final shut down of V1 NPP, the contractor elaborated as built documentation and carried out the by-passes. In 2012, the process of assessment of environmental impacts of the project of construction of a new high capacity fragmentation and decontamination equipment was commenced. The selected contractor provided supplies of technological equipment for a system of measuring of concentration of salt on ČN30 evaporator. All investments to the projects connected with V1 NPP were paid from BIDSF funds.

### **Technologies for Spent Nuclear Fuel and RAW Management (Tf SNF and RAWM)**

Supplies of compact holders KZ48 continued with the aim of enlarging the ISFS storage capacity. The aim of finished reconstruction of BRWTC was to increase capacity and reliability in RAW processing. At the same time, new software of nuclear fuel evidence was supplied. The company JAVYS obtained a construction permit for the putting of the second double row of NRWR in Mochovce into operation. The contractor selected for increase of fragmentation and decontamination facilities elaborated the documentation for the process of environmental impact assessment and the design project. The process of environmental impact assessment also included projects related to the integral RAW storage, completion of storage premises in NRWR and the facility for institutional RAW and captured radioactive materials management. To update and increase the reliability of radiation control systems of the company JAVYS, the detailed design project for reconstruction of ventilation stacks monitoring system from BRWTC and bituminization line was submitted. The following supplies were carried out: supplies of radiation control monitors for BRWTC, measuring systems for monitoring of dosing input powers in BRWTC and ISFS, as well as the monitoring system for waste water discharge into the Manivier. The activities related to Tf SNF and RAWM were financed as follows: 69 % from the own sources of the company JAVYS, 24 % were paid from BIDSF funds and 7 % were paid from the National Nuclear Fund of the Slovak Republic.

### **Projects connected with the Implementing Agreement (PC with IA)**

The Implementing agreement that is connected with the construction of a new nuclear source in the locality of Jaslovské Bohunice was concluded by and between the company JAVYS and ČEZ Bohunice. In 2012, the design project documentation for modification of the cleaning station was supplied. There was a procurement process of a supplier for interconnection of the A1 NPP and V1 NPP fire-fighting and potable water distributions, elaboration of the project documentation for construction of new depots of locomotives,

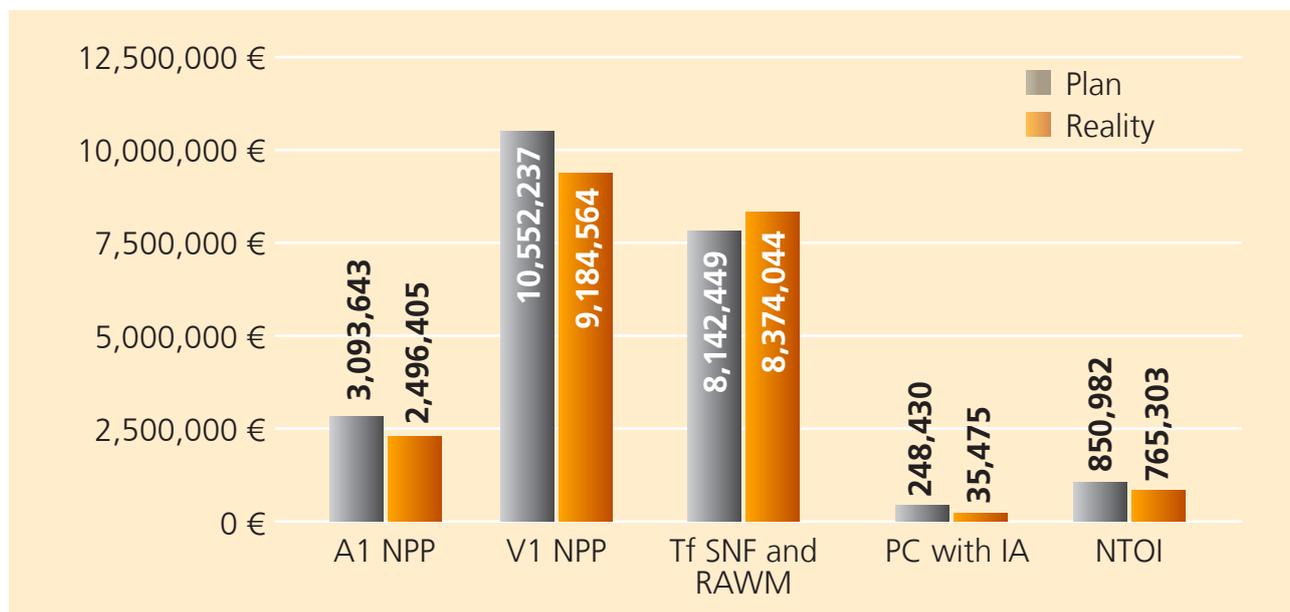
fuel filling station and modification of units designated for storage. PC with IA projects were fully covered from the internal sources of the company JAVYS.

### Non-technological objects and installations (NTOI)

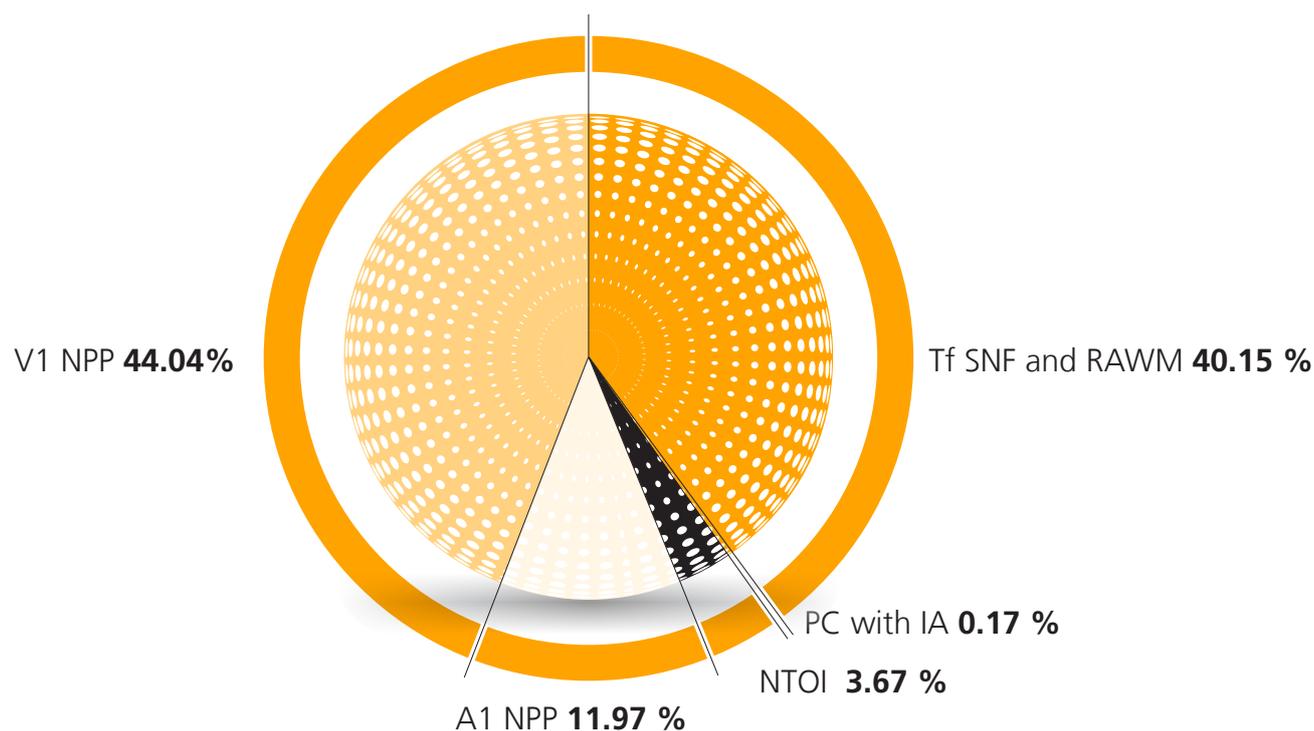
Implementation of the uniform registration and control system was completed in 2012. Within the construction of the administrative building „V1 NPP Decommissioning Center“ the contractor completed works on unfinished build-

ing, performed utilities connections except for weak current, carried out installation of internal manifold and started to carry out internal plasters. During the process of procurement, the company carried out activities related to modification of administrative part of the workshops and store to the rooms intended for archiving of the technical documentation, reconstruction of waste collecting yard and supply of energies management system. NTOI activities were covered from internal sources of the company JAVYS to the amount of 24 % and 76 % was paid from BIDSF funds.

### Investment Projects in 2012



### Share of technological facilities in investment costs



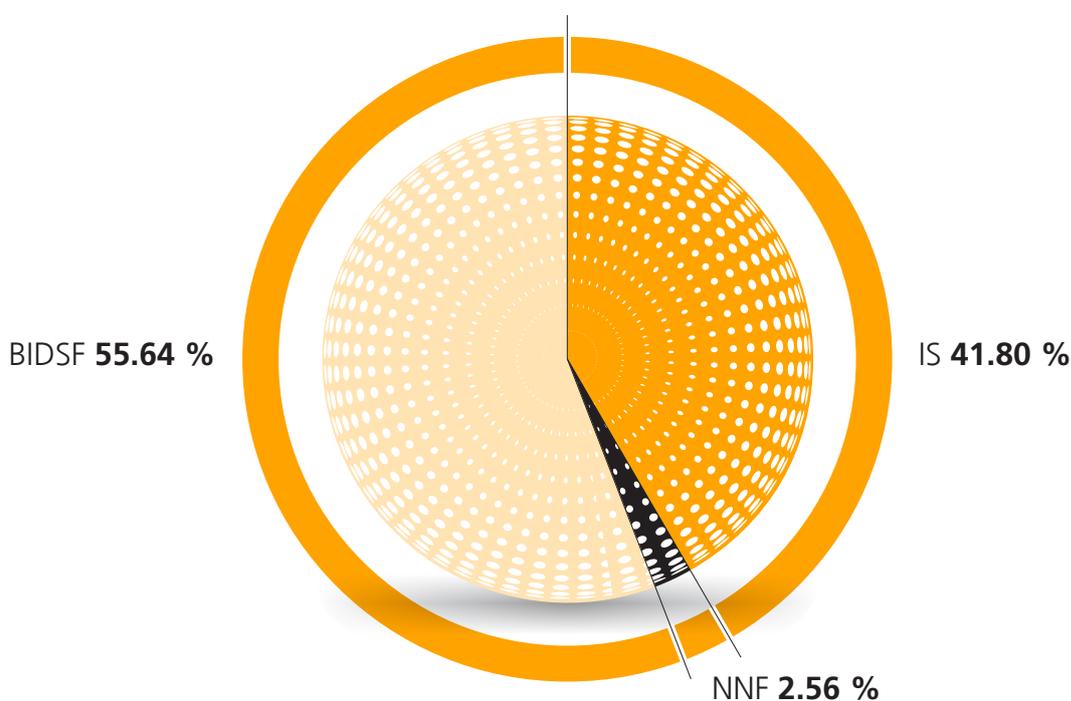
## Sources of funding for investment projects in 2012

- **Internal sources (IS)** were used for investment projects for technological facilities designed for commercial activities and non-technological structures and facilities in the amount of EUR 9,145 thousands.
- **Subsidies from the National Nuclear Fund (NNF) SR** were used for investment projects concerned with the decommissioning

of the A1 NPP and technologies for processing and treatment of RAW from the decommissioning of A1 NPP in the amount of EUR 560 thousands.

- **Grants from the Bohunice International Decommissioning Support Fund (BIDSF).** BIDSF grants were used for projects related to the preparation for decommissioning of V1 NPP in the amount of EUR 12,175 thousands.

## Structure of investment costs coverage



## SAFETY

### NUCLEAR SAFETY

Adherence to the requirements for nuclear safety in JAVYS is the supreme priority. It is also declared in its policy and goals that rank among the key documents of the Company's integrated management system.

Nuclear safety requirements are guaranteed for all nuclear installations in Jaslovské Bohunice and Mochovce. During 2012, the activities connected with these nuclear installations were carried out in compliance with the applicable and valid safety documentation approved by the regulatory authorities of the Slovak Republic without breaking the limits and conditions for their safe operation or decommissioning. In terms of the Regulation of NRA SR No. 430/2011 Coll., in 2012 the assessments of safety of operation of JAVYS nuclear installations were carried out in prescribed intervals by using safety operating indicators. Achieved assessments confirmed both excellent work of the staff and reliability of the installations.

In 2012, a periodic assessment of nuclear safety of some RAW PTT installations was carried out in compliance with the Regulation of NRA SR No. 33/2012 Coll. The company JAVYS carried out standard activities within operation of its nuclear installations used for RAW and spent nuclear waste management. Within the project BIDSF C7-C, BRWTC was completely reconstructed with the aim to increase the capacity and operational reliability of the installations used for processing and treatment of RAW. The entire process of reconstruction was performed under the supervision of NRA SR and the priority was given on observance of the safety requirements.

As far as V1 NPP is in the process of decommissioning, there is no spent nuclear fuel inside it. Within the Stage 1 of the decommissioning approved by the Decision of NRA SR No. 400/2011, the modifications of operating media systems of the nuclear power plant were performed in such a way that they best match the mode of decommissioning, and so they ensure its safe progress. The company JAVYS also carried out dismantling of unnecessary installations and step by step transported his-

torical liquid RAW from V1 NPP that was processed on RAW PTT lines.

Fukushima accident brought a new understanding of safety aspects and forced to review requirements on safe and reliable operation of the nuclear installations all over the world. On the basis of request of the Supervisory body of the NRA SR, the company JAVYS prepared, implemented and assessed the program: „Reevaluation of ISFS Response to Events of Fukushima Type.“ Results of the program showed that ISFS project is resistant to all natural conditions occurring in the locality of Jaslovské Bohunice. Slowness of processes in the storage pools of spent nuclear fuel provides sufficient time necessary for elimination of adverse affects, what ensures resistance even in case that the adverse natural conditions remain for several days.

In connection with the operation of JAVYS nuclear installations, the NRA SR issued several permits for implementation of changes of technological equipment and in safety documentations that affect nuclear safety.

In regards to the number of operational events related to nuclear safety, the year 2012 may be evaluated as very positive. Only 8 operational events met the criteria to be reported to supervisory authorities Under the international INES scale for assessing events on nuclear installations, all events were classified on the level of event with no safety significance (outside the INES scale), or as events of low safety significance (INES 0). All other operational events were of less significant nature with no impact on nuclear safety.

### RADIATION PROTECTION

All relevant activities, before they are authorized, and during implementation and after completion, are subject to the process of dose load optimization under the respective legislation and JAVYS internal system for quality assurance.

In 2012, systematic monitoring of the radiation characteristics of the work environment was taken, operational and official monito-

ring of exposed dosage and adherence to rules concerning radiation safety and ALARA principles in the controlled zone were checked in the work environment of the controlled zones of JAVYS nuclear installations. System of radiation control in the controlled zone of V1 NPP was fully modified within the BIDSF projects for needs of NPP decommissioning. Monitoring systems designated for monitoring of released material from the controlled zone of NPP are ready to be handed over to the company JAVYS.

Guidance and planning of the exposure of workers in 2012 was in line with Act No. 355/2007 Coll. and JAVYS internal regulations. Maximum effective individual dose is one of the strictly monitored indicators of the level of radiation protection of workers in the controlled zone of the nuclear installation, and these limits were not exceeded (50 mSv).

### Maximum individual effective dose E (mSv) in 2012

JAVYS	KP A	% of limit	KP V	% of limit	KP U	% of limit
JAVYS employees	10.171	20.34	0.627	1.25	0.374	0.75
Subcontractors	9.173	18.35	0.691	1.38	0.157	0.31

#### Legend:

*KP-A* Controlled zone in A1 NPP buildings and buildings with technologies for RAW processing Jaslovské Bohunice

*KP-V* V1 NPP Jaslovské Bohunice controlled zone

*KP-U* NRWR and FP LRW Mochovce controlled zone

JAVYS nuclear installations, as a result of their operation, release limited amounts of radioactive gaseous and liquid substances into the environment in a controlled way; these cannot be separated or processed. Amounts of these substances are very low and activity level of releases into the atmosphere and hydrosphere are only minute fractions of the limits set by the state health authorities.

The operational impact control on the population radiation load is monitored by JAVYS through Radiation Control Laboratories of the vicinity in Trnava and Levice. The laboratories monitor the vicinity using a network of monitoring stations in the area of nuclear installations and by laboratory sample measuring from the environment. Monitoring results are transferred through a wireless network to the places of continuous control. Samples from the environment, evaluated by the laboratories, are taken in accordance with the monitoring plan approved by the state supervision authorities. The results of the measurements

and analysis of almost 2,000 samples of air, soil, water, vegetation and agricultural products show only minimal effects by the operated nuclear installations in Jaslovské Bohunice and Mochovce on their surroundings.

Assessment of the impact of operation on the population dose load is evaluated by JAVYS once a year using a special programme on a high - performance computer. The programme, approved by the state regulatory authority, applies internationally accepted models of radioactive substance spread and uses the current statistical data. Maximum calculated values of individual effective dose E in 2012 were on the level of 0.12 % in the residential area and on the level of 0.21 % in the non - residential area of the annual radiation limit per individual. The maximum calculated values of individual effective dose are much lower than the population radiation load caused by natural background and medical diagnostic examination.

## **OCCUPATIONAL SAFETY AND HEALTH PROTECTION**

Occupational safety and health protection in JAVYS is ensured in line with the requirements of the Labour Code, the Act on Occupational Safety and Health Protection, and in line with the internal company regulations.

In 2012, we did not record any occupational accident. There is a record of six accidents of JAVYS employees. These accidents did not require sick leave.

The company regularly controls whether the work or production activities do not endanger occupational health and safety of the employees and other persons. In cooperation with the provider of occupational health service, the company JAVYS elaborates assessment of hazards, threats and risks arising from the process of work and working environment. On the basis of this assessment, the company proposes necessary remedial measures. There are 14 workplaces in the company with risk factors - ionizing radiation, noise and vibrations. In these workplaces, there were 667 employees, 64 of whom were women. Special attention has been devoted to the employees working at these hazardous workplaces. They are under the supervision of occupational health services that monitor and evaluate these employees' health and fitness for duty.

Preventative and protective services are fully ensured in the Company. The safety technical services are performed by the JAVYS employees. The occupational health services are outsourced.

The employees of the Labour Inspectorate of Nitra inspected four workplaces of the Company. The Public Health Regional Authority residing in Trnava in cooperation with the occupational health service measured noise and vibrations at the selected workplaces of the company JAVYS.

In 2012, the company JAVYS obtained internationally recognized certificate in the field of safety and occupational health management. By implementation and certification of the safety and occupational health management system under the standard 18001 the company JAVYS proved that safety during the

operation and decommissioning of the nuclear installations and during radioactive waste treatment is always the most important.

## **FIRE PROTECTION**

In 2012, the company JAVYS recorded one fire caused by inconsistent performance of works of the supplier at the workplace that was handed over to this supplier by a protocol. The tasks in the field of fire protection are fulfilled by specialists – fire protection technicians.

The tasks in the field of fire protection are fulfilled by specialists – fire protection technicians.

Preventative fire protection checks were focused on the adherence to fire protection rules in all Company premises. The District Fire and Rescue Brigade Headquarters in Levice carried out subsequent fire protection control in the locality of Mochovce during the year. They did not find out any deficiencies related to the fire protection during this fire protection control.

## **EMERGENCY PLANNING**

Emergency preparedness is defined by the Act No. 541/2004 Coll. on Peaceful Use of Nuclear Energy and the NRA SR Ordinance No. 55/2006 Coll. on Details of Emergency Planning in the Event of an Accident or Emergency. During 2012, the functioning of JAVYS Emergency Response Organization (ERO) was provided by JAVYS Emergency Planning Department in cooperation with particular expert bodies.

By the end of March 2012 the emergency commission EBO that was common for V1 NPP (JAVYS) and V2 NPP (SE-EBO) was divided. After this division, a separate emergency commission - EC JAVYS was established. It is competent to solve events in all nuclear installations JAVYS in the locality of Bohunice. In connection with establishment of EC JAVYS, also the staff of the entire JAVYS Emergency Response Organization was changed.

During the emergency drills of changes and drills of expert groups, ERO proved its functioning, when no significant insufficiencies occurred. In 2012, regular shift emergency drills of V1 NPP, A1 NPP, facilities for RAW

processing and treatment and Interim Spent Fuel Storage personnel were organized. Also, the NRWR personnel and the LRAW final processing personnel in Mochovce undertook the imposed drills. To train the emergency transport rules, one concurrence emergency drill - „ATLAS 2012“ was organized. It was focused on training the procedures at the spent nuclear fuel transport.

The state of the emergency preparedness in Bohunice location was tested through the concurrence emergency drill called „BREZA 2012“ held on 17 October 2012. It was focused on solving a situation of the 3rd degree in V2 NPP. Employees of JAVYS, SE-EBO and all suppliers participated on the drill in Bohunice location. According to the NRA SR assessment, the drilled actions were in line with the Internal emergency plans and related directives. They positively evaluated the ERO's decision making and coordination between its individual sections.

ERO governed by JAVYS Emergency Commission has proved throughout the year and mostly during the „BREZA 2012“ drill that it is able to solve incurred incidents within the nuclear facilities of the company JAVYS.

During 2012 reconstruction of the internal warning system JAVYS in the locality Bohunice was completed. Execution of this reconstruction improved conditions for warning of employees in case of an event in the nuclear installations.

In 2012 the issue of emergency preparedness in JAVYS met all requirements given by the legislative regulations.

## ENVIRONMENTAL PROTECTION

JAVYS has proved its objective and mission - to carry out all activities taking environmental protection into consideration through implementing the certified environmental management system according to the standard ISO 14001: 2004 "Environmental Management Systems". Functionality and implementation of the system was reviewed by an independent accreditation company Det Norske Veritas during an overall audit of ISM performed on 13 December 2012. The company JAVYS was granted an internationally recognized certificate.

JAVYS applies a systematic management approach in performing its tasks, and emphasis is also put on the compliance with the respective legal requirements resulting from the EU and SR legislation in individual areas of environmental protection (water, air, landscape and nature protection, waste management, chemical materials and mixtures treatment, prevention of major industrial accidents, integrated control and environmental pollution prevention), as well as the obligation to comply with the limits and terms of decisions issued by the state and regulatory authorities in the area of protection of separate components of the environment.

Within the procedural approach, environmental protection is ranked among the key procedures. The processed documentation and compliance control guarantee that all legal and other requirements relevant and binding for JAVYS are applied. The Company met and has been meeting all the required conditions – especially when it comes to pollution indicators for discharged wastewater and air emissions – well below the set limits. In 2012, all limit - related indicators defined in decisions issued by respective regulatory and state authorities for JAVYS were met.

### WATER MANAGEMENT

In 2012, drinking water consumption in all operation units (Trnava, Bratislava, Mochovce, Jaslovské Bohunice) reached the volume of 150,346 m<sup>3</sup>. In comparison with the year 2011, it is less for 29,451 m<sup>3</sup>, what represents decrease by 16.4 %. By rationalizing

measures the consumption of cooling water was reduced to 1.06 mil. m<sup>3</sup> in 2012, while in 2011, it reached the amount of 2.27 mil. m<sup>3</sup>. The amount of waste water discharged to the recipient rivers of Váh and Dunaj also decreased in comparison with the amount of water discharged to the rivers in the previous year. The volume of discharged waste water in 2012 was 674,464 m<sup>3</sup>, while the volume of water discharged last year was 1.28 mil m<sup>3</sup>. All inspection analyses confirmed that the quality of the discharged water stayed below the limits set by the state and regulatory authorities.

### AIR PROTECTION

JAVYS has been operating 15 sources of air pollution in all categories - 1 major source, 5 middle-size sources and 9 small air pollution sources.

Total emissions released from all air pollution sources: SO<sub>2</sub> – 2.38 kg, C<sub>org</sub> – 25.16 kg, solid pollutants – 43.12 kg, CO<sub>org</sub> – 154.74 kg and NO<sub>x</sub> – 395.59 kg. Measurements show reduced volumes in all given emissions, except for emissions of solid pollutants, compared to 2011. Within the operation of above specified sources of air pollution, in 2012 all defined limits and conditions were met.

### WASTE MANAGEMENT

Total volume of generated non-radioactive waste was amounted 975.48 tons; of which 858.39 tons (87.99 %) was other waste; 60.74 tons were hazardous waste (6.23 %) and there were 56.35 tons of municipal waste (5.78 %). In comparison with the year 2011, total volume of generated waste is lower by 151.12 tons. This situation is influenced particularly with other wastes and mixed municipal waste that was reduced by 42.65 % in comparison with the year 2011. Management of waste generated in 2012 was in compliance with the legal requirements of the Slovak Republic and internal regulations of the company.

## ASSESSMENT OF ENVIRONMENTAL IMPACTS

In terms of the requirements of the Act on Assessment of Environmental Impacts (Act No. 24/2006 Coll.), the following activities were carried out in 2012:

**Completed processes** of assessment by issuing of the final opinion of the Ministry of Environment of the Slovak Republic

- Facility for IRAW and CRAM Management in the locality of Mochovce (May 2012)
- Integral Storage of Radioactive Waste in the locality of Jaslovské Bohunice (September 2012)

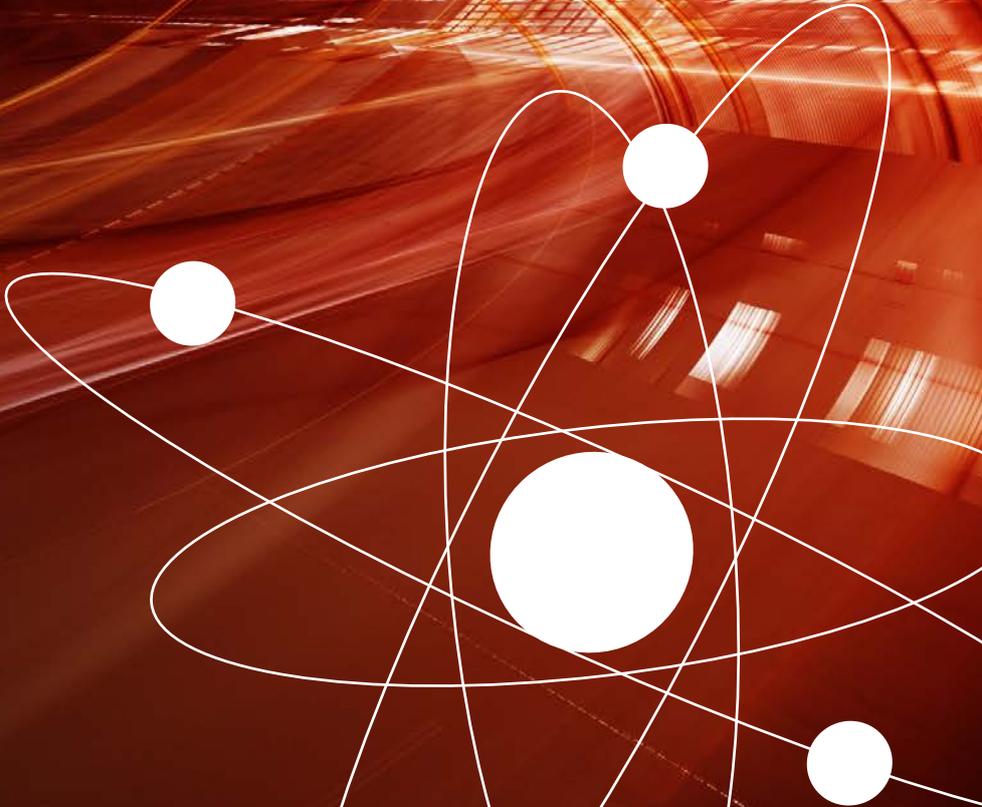
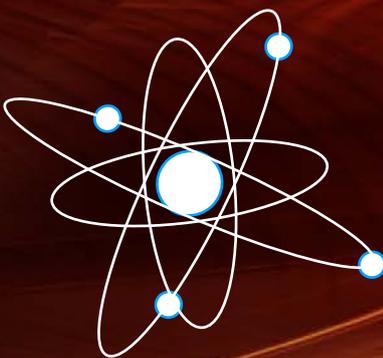
**Continuation** of the assessment process for „Enlargement of Radioactive Waste Repository in Mochovce for Disposal of Low Level Waste and Erection of the Repository for Very Low Level Waste.“ In connection with this activity and with the activity of Integral Storage of Radioactive Waste, in 2012 the company JAVYS organized public hearing in the affected municipalities, international consultations with the representatives of the Czech Republic and Austria and public hearings in the Hungary.

### Commencement of Assessment Processes

1. of proposed activity - C7-A3 project: „Erection of a New Large Capacity F&D Facility NPP V1“ - submission of the plan
2. for changes of existing activities:
  - „Final Treatment of Liquid RAW JAVYS“ - submission of the plan
  - „Technologies for Processing and Treatment of RAW JAVYS in the Locality of Jaslovské Bohunice“ - submission of the plan
  - „Increasing Capacity of Existing Fragmentation and Decontamination Facilities“ - C7-A2 project - submission of the assessment report, organization of the public hearing, submission of expert's opinion to the Ministry of Environment of the Slovak Republic.

Beside complex processes of environmental impacts assessment, the company JAVYS also submitted information about changes of the proposed activities to the Ministry of Environment of the Slovak Republic in the form of Notifications of change of a proposed activity.

HUMAN RESOURCES



As of 31 December 2012, the company JAVYS employed **873** employees, what is by 11 employees less compared to the number of employees in the same period of last year.

## OVERVIEW OF NUMBER AND STRUCTURE OF THE EMPLOYEES

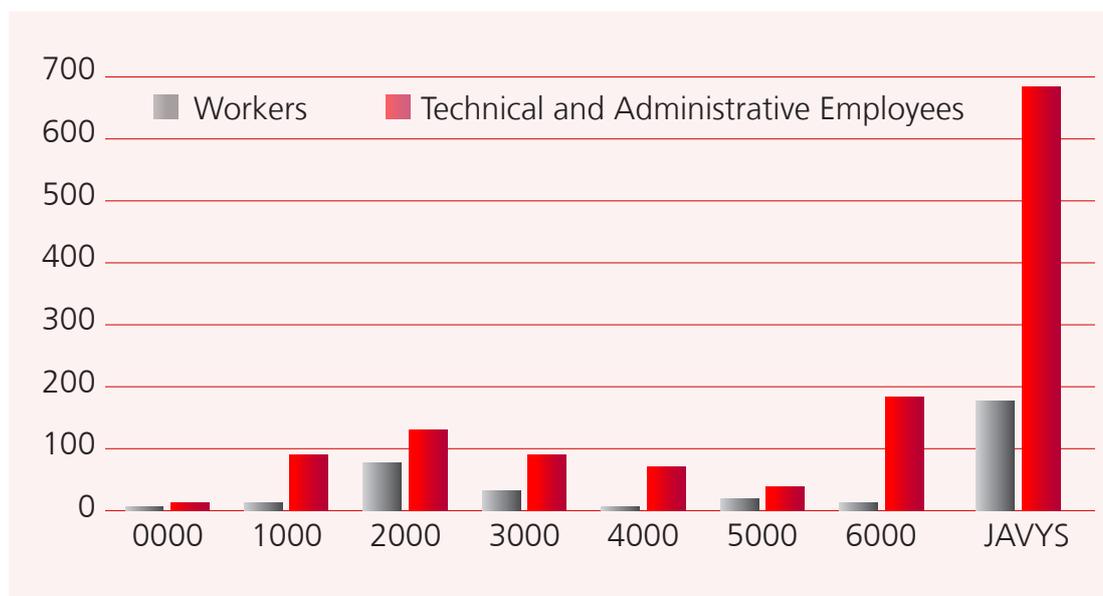
### Structure of the Employees as of 31 December 2012

Division	workers	TAE	Total
0000	1	8	9
1000	12	103	115
2000	96	154	250
3000	35	102	137
4000	0	84	84
5000	31	50	81
6000	10	187	197
<b>JAVYS</b>	<b>185</b>	<b>688</b>	<b>873</b>

From the total number of **873** employees, **185** were workers (21.19 %) and **688** were technical-administrative employees (TAE) (78.81 %).

As of 31 December 2012, there were **218 women** from the total number of **873 employees** working in the company JAVYS, i.e. 24.97 %.

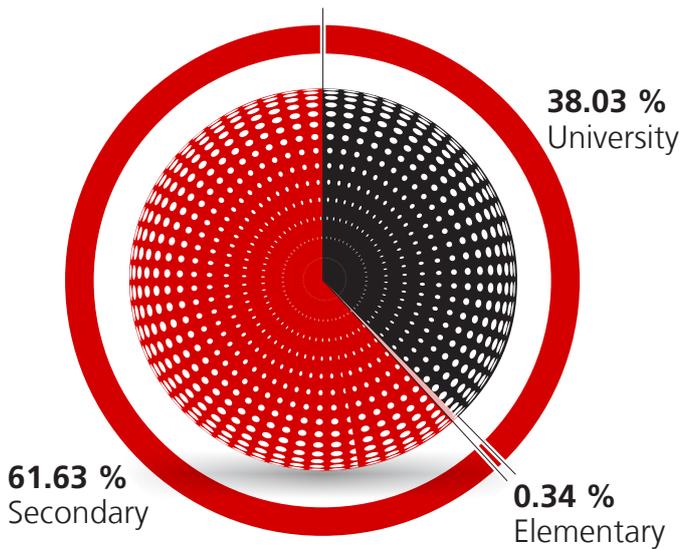
### Structure of employees



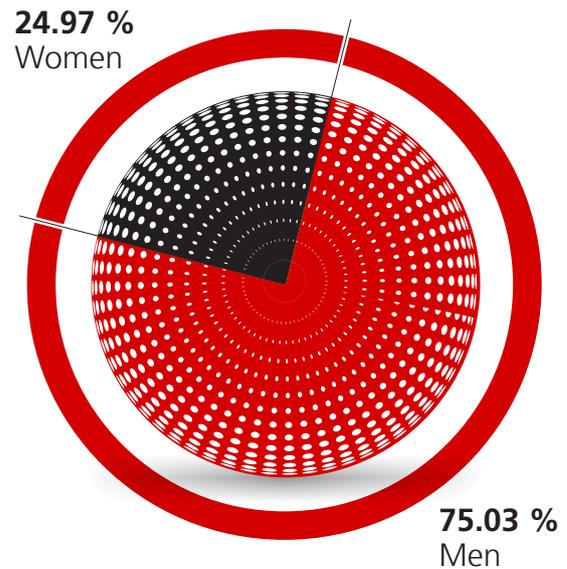
## EDUCATIONAL STRUCTURE OF THE EMPLOYEES

From the total number of **873** employees, **3** had elementary education, i.e. 0.34 %; **538** employees completed secondary education, i.e. 61.63 % and **332** employees were university graduates, i.e. 38.03 %.

## Educational level of employees



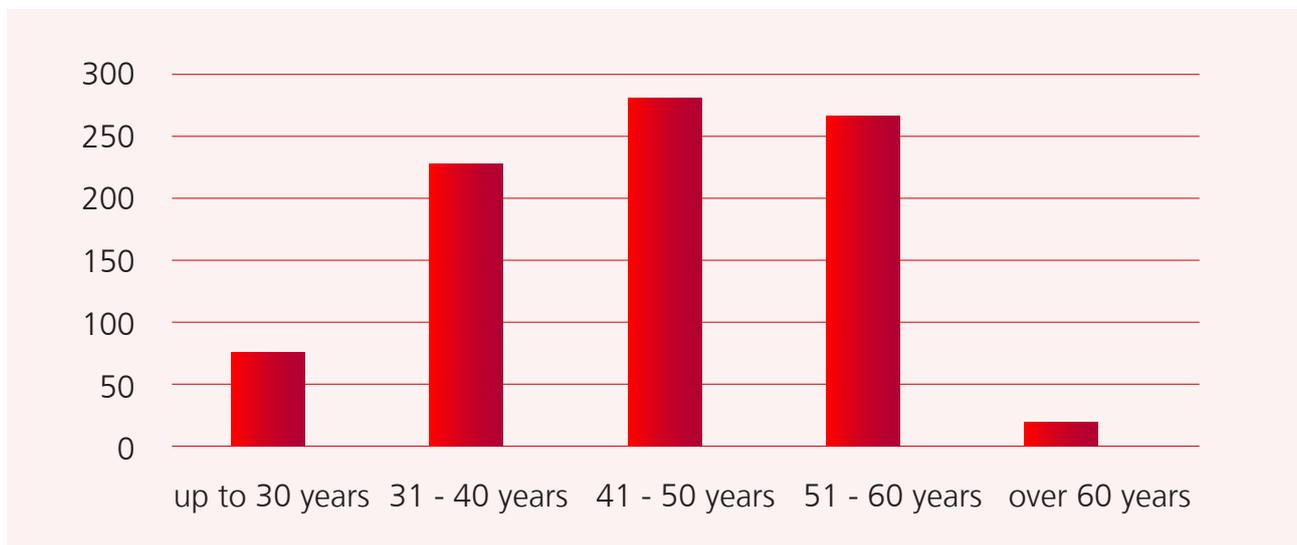
## Percentual proportion of men and women



## AGE STRUCTURE OF THE EMPLOYEES

From the total number of **873** employees, **74** employees were younger than the age of 30 (8.48 %), **234** employees were aged between 31 and 40 (26.80 %), **280** employees were aged between 41 and 50 (32.07 %), **274** employees were aged between 51 and 60 (31.39 %) and **11** employees were older than the age of 60 (1.26 %).

### Employees age structure



## EDUCATION AND TRAINING OF EMPLOYEES

One of the primary goals for JAVYS in 2011 was to train and keep skilled and experienced employees to ensure safe, reliable, ecological and economically effective operation of its nuclear installations in line with the spirit of safety principles and ALARA principles. This goal was successfully accomplished. The installations of the

company were operated by a competent staff, securing safe, reliable, ecological and economically efficient operation without any major adverse effects on nuclear safety. Requirements defined by the state regulatory authorities in the area of education and training of employees were met and were in compliance with the Atomic Act No. 541/2004 Coll. and the Regulation No. 52/2006 Coll. on professional competence as amended.

In the area of preparing employees for their jobs, considerable attention was paid both to theoretical and practical training of professionally competent and selected employees in line with the NRA SR Decree No. 52/2006 Coll. which took place in a specialized facility of the ŠVS VÚJE Trnava (Education and Training Centre within the Nuclear Power Plants Research Institute). In accordance with the System of Professional Training for Employees the workers participated in basic training, training in change of job position, and periodic training. Professionally competent employees working in shifts attended periodic training conducted by in-house trainers every half year to upgrade their specific skills in line with the Program of Operational Training for Professionally Competent Employees - Shift Workers, holders of permits for work at nuclear installations.

Due to changes in the legislation, Regulation of NRA SR No. 34/2012 Coll. amending the Regulation of NRA SR No. 52/2006 Coll. on Professional Competence, requires to update need of education of the employees and periodic trainings of professionally competent employees were extended with a new topic - Safety policy and safety goals.

During the process of execution of activities within decommissioning of the nuclear installations in A1 NPP and V1 NPP and operation of RAW PTT, ISFS, FP LRW and NRWR, the System of Professional Training of the Employees was re-evaluated as a response to modification of the legislations and change of the process map of the company elaborated for the purpose of obtaining the certification according to the standards ISO 90001, ISO 14001 and OHSAS 18001.

In terms of the Act No. 124/2006 Coll., the professional training was focused on basic, extending, periodic and updating professional training that extends professional competence of employees providing special professional activities, and that extends validity of permits and certificates for performing of certain professional activities according to applicable legislation.

In language training the employees were improving their knowledge of the English language. The language training was conducted in line with the manual Management and Language Training in the form of one-to-one or

group teaching. The employees were offered the opportunity to participate in workshops and conferences, a complementary form of education to widen their knowledge. The complementary educational activities related to decommissioning of nuclear power facilities or amendments to acts were preferred.

To enhance the quality of training for skilled and professional employees, new programs were developed and the existing ones were reviewed, in order to train employees both in theoretical and practical areas for the Category V. Regarding the electro-technical staff, MEGA DTB database and SWING maintenance were updated and extended.

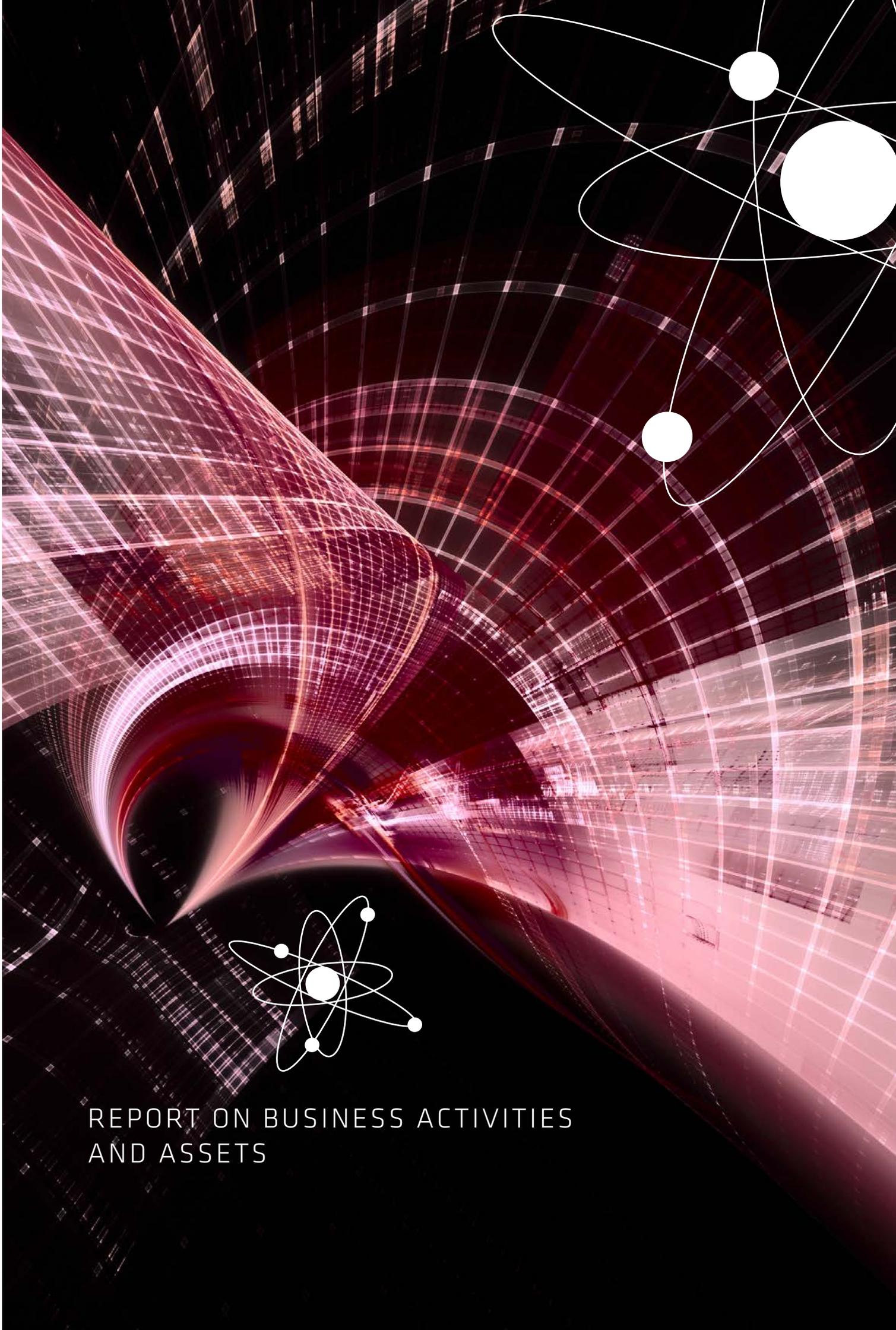
The professional training of employees fulfilled all the legal requirements for qualification of employees necessary to perform the professional activities.

## CARE FOR EMPLOYEES

In the company JAVYS the concept of care for JAVYS employees represents a necessary and additional tool of HR management and development. Key tasks in the social scheme result from legal regulations, mainly the Labour Code, higher-level collective agreement and also the company Collective agreement concluded for the period of the years 2011 - 2013.

In 2012, there were activities provided within the care for employees covered from the company costs, available profit and from the social fund, particularly in the following fields:

- catering,
- preventive health care – to assess health condition required to perform the job position according to its categorization,
- psychological examinations - to assess physical condition of employees as a key precondition to perform the job,
- reconditioning stays for a selected group of employees with the aim of avoiding occupational diseases and possible health damage,
- supplementary pension savings scheme,
- maintaining and processing the agenda on generation and use of the social fund,
- providing non-repayable social aid to employees



REPORT ON BUSINESS ACTIVITIES  
AND ASSETS

Jadrová a vyrad'ovacia spoločnosť, a. s. is a joint stock company with 100 % state ownership. The government exercises the rights of the shareholder by means of the Ministry of Economy of the Slovak Republic. The mission of the JAVYS Company is to perform activities in line with the approved Strategy of final part of nuclear power engineering; to decommission the nuclear installations of the A1 NPP and V1 NPP in a safe and effective manner and provide nuclear services in the fields of spent nuclear fuel and radioactive waste management. At the same time, the JAVYS company provides additional services, resulting from the concluded service and lease contracts.

As of 31 December 2012, the company achieved net profit amounting to EUR 2,099, 806 before taxation and amounted to EUR 1,596,301 after taxation. Operational profit was shown as a loss amounted to EUR 168,261.

Profits of the company JAVYS in 2012 were influenced by limited amount of subsidies from NNF that were amounted to EUR 25,198,998 according to approved state budget for 2012. In 2012, the company received operational subsidies from the National Nuclear Fund (NNF) in the amount of EUR 24,638,740 and investment subsidies from the NNF in the amount of EUR 560,258. The main sources of shown profits of the company are earnings from commercial RAW and spent fuel management and other earnings from concluded service and rental contracts.

In 2012, the company JAVYS reported total revenues from its own operations in the amount of EUR 29,689,518; of which the direct revenues from the company SE, a.s for transport, storage, processing of RAW and spent nuclear waste management for V1 NPP, V2 NPP and EMO NPP achieved in 2012 the amount of EUR 18,106,148 and the revenues from services achieved in 2012 the amount of EUR 1,679,709. Revenues from processing of sludge and sorbents achieved the amount

of EUR 4,602,019. Revenues of EUR 5,301,642 represented those from material activation and long - term tangible assets, revenues from service contracts and other activities of company JAVYS.

Due to change of accounting procedures applicable as of 1 January 2012, the company accounts costs including sums spent on activities related to decommissioning, for which the reserves were created in the past, in the Profit and Loss Statement. Receiving of subsidies used for covering of costs necessary for decommissioning is accounted in the moment of booking of the fixed obligation in favor of the account 648 - other operating revenues.

Within spending the subsidies from BIDSF, in 2012 the company received operational subsidies in the amount of EUR 5,696,957 and investment subsidies in the amount of EUR 11,768,646. The company received a subsidy for implementation of the decommissioning program using human resources available in the V1 NPP in the amount of EUR 6,098,185 for operational part and investment subsidies in the amount of EUR 406,936.

In connection with above mentioned the total external and internal costs of the company for production consumption were in the amount of EUR 134,108,321.

In 2012, personnel costs were amounted to EUR 29,960,238; book depreciations of long - term tangible assets and provisions to long-term tangible assets were amounted to EUR 17,961,024.

As far as in 2012, the company did not receive operational subsidies from NNF in the amount of reasonably spent costs for the activities of A1 NPP and V1 NPP decommissioning, in spite of saving of the operational costs, EBITDA was reported as a profit amounting to EUR 17,791,307 and EBIT was reported as a loss amount to EUR 169,717. Positive profit in the amount of EUR

1,596,301 was achieved particularly by accounting of reserves and provisions that were generated last year.

As of 31 December 2012, the company registered gross assets in the amount of EUR 1,530,171,768. Long - term tangible assets of the Company as of 31 December 2012 were in the amount of EUR 118,250,519.

Long - term financial assets represented EUR 116,288,463. These assets relate to the deposit in the JESS company established in 2009 as a joint venture of JAVYS and ČEZ Bohunice, a. s. The value of the financial assets was changed as of 31 December 2012, due to JESS lowering its registered capital by EUR 1,567,930.

The largest item in liabilities of the Company was represented by reserves for decommissioning and liquidation of the A1 and V1 nuclear power plants, reserves for liquidation and decommissioning of non-energy installations and reserves for future bonuses for employees (discharge and severance pay under the Collective Agreement). As of 31 December 2012, the reserves were reported in the total amount of EUR 1,137,361,975. Part of the reserves, namely reserves for the decommissioning and liquidation of the A1 and V1 nuclear power plants in the amount of EUR 1,070,399,712, is covered by receivables and future subsidies from the NNF and BIDSF.

The value of registered capital of the company as of 31 December 2012 was amounted to EUR 221,792,137, what is 14.49 % of total assets of the company. On the regular General Assembly held on 26 July 2012, the sole shareholder decided on payment of dividends in the total amount of EUR 5,000,000 and on payment of voluntary contribution to the account of the National Nuclear Fund in the total amount of EUR 20,000,000 within 31 January 2013.

In 2012, the company drew no bank loans. Achieved operating results are given in the financial statement which was audited by an independent auditor without any reservation.

## SÚVAHA

**k 31. decembru 2012**  
(v celých eurách)

Účtovná zavierka

- riadna  
 - mimoriadna

Účtovná zavierka

- zostavená  
 - schválená

(vyznačí sa X)

Daňové identifikačné číslo

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IČO

3 5 9 4 6 0 2 4

SK NACE

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Za obdobie

Mesiac Rok  
od 0 1 2 0 1 2

do 1 2 2 0 1 2

Bezprostredne  
predchádzajúce  
obdobie

od 0 1 2 0 1 1

do 1 2 2 0 1 1

Obchodné meno (názov) účtovnej jednotky

J a d r o v á a v y r a d' o v a c i a s p o l o č n o s ť , a . s .

Sídlo účtovnej jednotky

Ulica

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B r a t i s l a v a

Číslo telefónu

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Číslo faxu

0 3 3 / 5 3 1 2 4 7 2

E-mailová adresa

Zostavená dňa: 21.3.2013	Podpisový záznam osoby zodpovednej za vedenie účtovníctva: 	Podpisový záznam osoby zodpovednej za zostavenie účtovnej zvierky: 	Podpisový záznam člena štatutárneho orgánu účtovnej jednotky alebo fyzickej osoby, ktorá je účtovnou jednotkou: 
Schválená dňa:			

# Balance Sheet as of 31 December 2012

Jadrová a vyrad'ovacia spoločnosť, a.s.

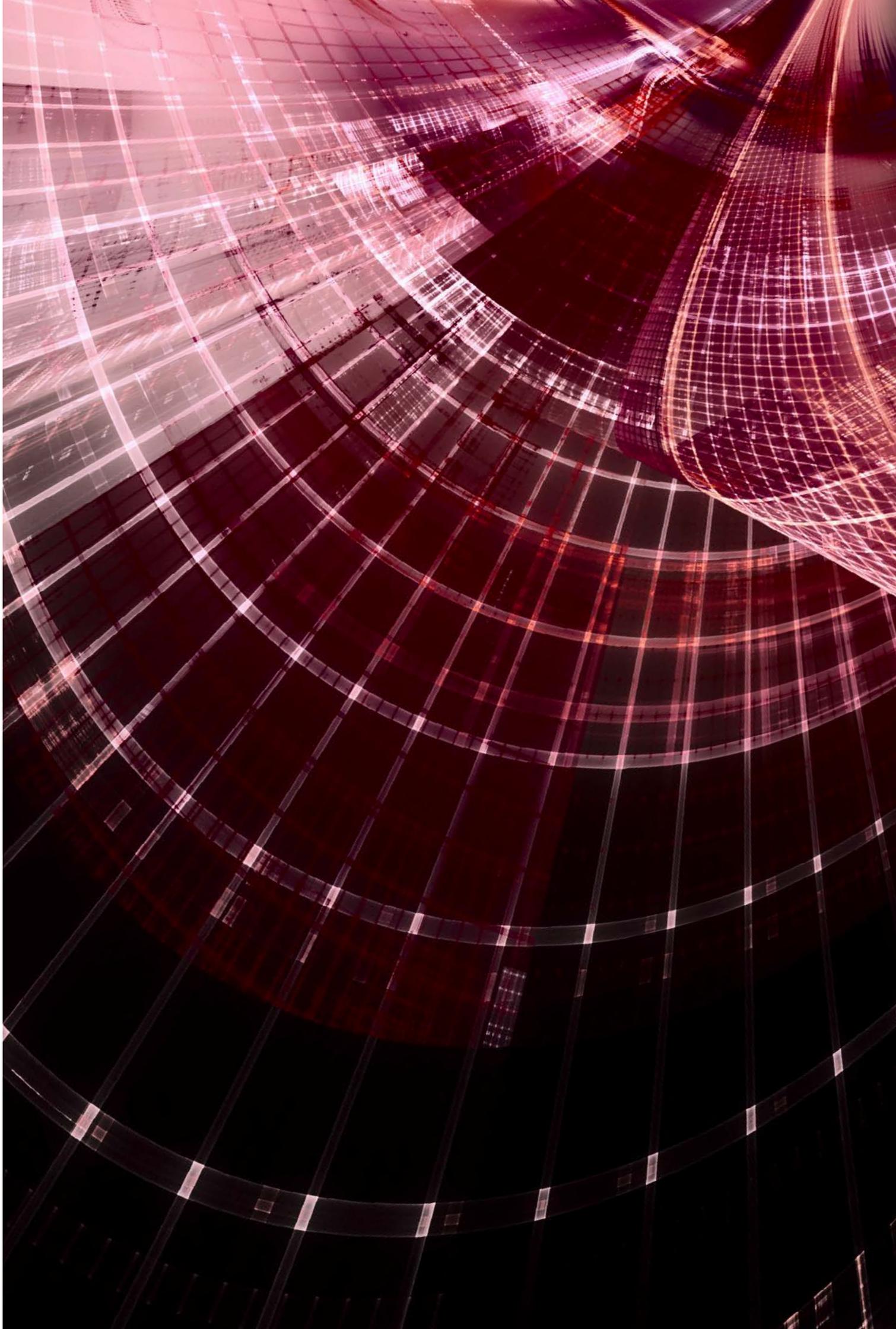
Tax Identification No.: 2022036599

Designation	ASSETS	Line N.	Current accounting period			Penultimate accounting period
			Gross 1 (Part 1) (in EUR)	Correction 1 (Part 2) (in EUR)	Net 2 (in EUR)	Net 3 (in EUR)
a	b	c				
	<b>Total assets (I. 002 + I. 030 + I. 061)</b>	<b>001</b>	<b>1,620,306,521</b>	<b>90,134,753</b>	<b>1,530,171,768</b>	<b>1,573,275,890</b>
<b>A.</b>	<b>Non-current assets (I. 003 + I. 011 + I. 021)</b>	<b>002</b>	<b>327,772,265</b>	<b>89,541,322</b>	<b>238,230,943</b>	<b>235,431,674</b>
<b>A.I.</b>	<b>Total non-current intangible assets (I. 004 to I. 010)</b>	<b>003</b>	<b>(149,319,016)</b>	<b>(153,010,977)</b>	<b>3,691,961</b>	<b>5,031,797</b>
A.I.1.	Capitalized development costs (012) - /072, 091A/	004	-	-	-	-
A.I.2.	Software (013) - /073, 091A/	005	11,098,626	8,427,893	2,670,733	3,899,236
A.I.3.	Valuable rights (014) - /074, 091A/	006	17,251,021	16,309,674	941,347	989,099
A.I.4.	Goodwill (015) - /075, 091A/	007	(177,748,544)	(177,748,544)	-	-
A.I.5.	Other intangible fixed assets (019, 01X) - /079, 07X, 091A/	008	-	-	-	-
A.I.6.	Intangible assets in acquisition (041) - 093	009	79,881	-	79,881	143,462
A.I.7.	Advance payments for intangible fixed assets (051) - 095A	010	-	-	-	-
<b>A.II.</b>	<b>Total non-current tangible fixed assets (I. 012 to I. 020)</b>	<b>011</b>	<b>360,802,818</b>	<b>242,552,299</b>	<b>118,250,519</b>	<b>112,543,484</b>
A.II.1.	Land (031) - 092A	012	2,031,229	-	2,031,229	2,031,229
A.II.2.	Structures (021) - /081, 092A/	013	92,003,394	63,772,253	28,231,141	30,052,630
A.II.3.	Separate movable assets and sets of movables (022) - /082, 092A/	014	239,122,214	170,297,493	68,824,721	64,119,717
A.II.4.	Natural agricultural assets (025) - /085, 092A/	015	-	-	-	-
A.II.5.	Livestock and draught animals (026) - /086, 092A/	016	-	-	-	-
A.II.6.	Other non-current tangible fixed assets (029, 02X, 032) - /089, 08X, 092A/	017	13,473	-	13,473	13,540
A.II.7.	Tangible fixed assets in acquisition (042) - 094	018	23,571,857	8,482,553	15,089,304	13,139,007
A.II.8.	Advance payments for tangible fixed assets (052) - 095A	019	4,060,651	-	4,060,651	3,187,361
A.II.9.	Adjustment to acquired assets (+/- 097) +/- 098	020	-	-	-	-
<b>A.III.</b>	<b>Total non-current financial investment (I. 022 to I. 029)</b>	<b>021</b>	<b>116,288,463</b>	<b>-</b>	<b>116,288,463</b>	<b>117,856,393</b>
A.III.1.	Shares and ownership interests in sub (061) - 096A	022	-	-	-	-
A.III.2.	Shares an ownership interests in associates (062) - 096A	023	116,288,463	-	116,288,463	117,856,393
A.III.3.	Other long-term securities and ownership interests (063, 065) - 096A	024	-	-	-	-
A.III.4.	Loans to entities in consolidation field (066A) - 096A	025	-	-	-	-
A.III.5.	Other long-term financial assets (067A, 069, 06XA) - 096A	026	-	-	-	-
A.III.6.	Loan due in one year (066A, 067A, 06XA) - 096A	027	-	-	-	-
A.III.7.	Long-term financial assets in acquisition (043) - 096A	028	-	-	-	-
A.III.8.	Advance payments for long-term financial assets (053) - 095A	029	-	-	-	-

<b>B.</b>	<b>Current assets (I. 031+ I. 038 + I. 046 + I. 055)</b>	<b>030</b>	<b>1,290,404,518</b>	<b>593,431</b>	<b>1,289,811,087</b>	<b>1,334,343,230</b>
<b>B.I.</b>	<b>Total inventory (I. 032 to I. 037)</b>	<b>031</b>	<b>1,093,391</b>	<b>588,618</b>	<b>504,773</b>	<b>450,186</b>
B.I.1.	Material (112, 119, 11X) - /191, 19X/	032	1,093,391	588,618	504,773	450,186
B.I.2.	Work-in-progress and semi-finished goods (121, 122, 12X) - /192, 193, 19X/	033	-	-	-	-
B.I.3.	Finished goods (123) - 194	034	-	-	-	-
B.I.4.	Livestock (124) - 195	035	-	-	-	-
B.I.5.	Merchandise (132, 133, 13X, 139) - /196, 19X/	036	-	-	-	-
B.I.6.	Advanced payments for inventory (314A) - 391A	037	-	-	-	-
<b>B.II.</b>	<b>Total long-term receivables (I. 039 to I. 045)</b>	<b>038</b>	<b>4,291,533</b>	<b>-</b>	<b>4,291,533</b>	<b>4,306,632</b>
B.II.1.	Trade receivables (311A, 312A, 313A, 314A, 315A, 31XA) - 391A	039	-	-	-	-
B.II.2.	Net contract value (316A)	040	-	-	-	-
B.II.3.	Receivables from subsidiaries and parent company (351A) - 391A	041	-	-	-	-
B.II.4.	Other receivables from entities in consolidation field (351A) - 391A	042	-	-	-	-
B.II.5.	Receivables from partners, members and association (354A, 355A, 358A, 35XA) - 391A	043	-	-	-	-
B.II.6.	Other receivables (335A, 33XA, 371A, 373A, 374A, 375A, 376A, 378A) - 391A	044	363,047	-	363,047	378,146
B.II.7.	Deferred tax asset (481A)	045	3,928,486	-	3,928,486	3,928,486
<b>B.III.</b>	<b>Total short-term receivables (I. 047 to I. 054)</b>	<b>046</b>	<b>1,063,573,241</b>	<b>4,813</b>	<b>1,063,568,428</b>	<b>1,141,633,458</b>
B.III.1.	Trade receivables (311A, 312A, 313A, 314A, 315A, 31XA) - 391A	047	4,679,866	4,813	4,675,053	76,607,143
B.III.2.	Net contract value (316A)	048	-	-	-	-
B.III.3.	Receivables from subsidiaries and parent company (351A) - 391A	049	-	-	-	-
B.III.4.	Other receivables from entities in consolidation field (351A) - 391A	050	-	-	-	-
B.III.5.	Receivables from partners, members and association (354A, 355A, 358A, 35XA, 398A) - 391A 0	051	-	-	-	-
B.III.6.	Social insurance (336) - 391A	052	-	-	-	-
B.III.7.	Tax assets and subsidies (341, 342, 343, 345 346, 347) - 391A	053	1,058,874,199	-	1,058,874,199	1,065,009,418
B.III.8.	Other receivables (335A, 33XA, 371A, 373A, 374A, 375A, 376A, 378A) - 391A	054	19,176	-	19,176	16,897
<b>B.IV.</b>	<b>Total financial accounts (I. 056 to I. 060)</b>	<b>055</b>	<b>221,446,353</b>	<b>-</b>	<b>221,446,353</b>	<b>187,952,954</b>
B.IV.1.	Cash in hand (211, 213, 21X)	056	82,380	-	82,380	231,732
B.IV.2.	Bank accounts (221A, 22X +/-261)	057	221,363,973	-	221,363,973	187,721,222
B.IV.3.	Bank accounts bound for period exceeding one year 22XA	058	-	-	-	-
B.IV.4.	Short-term financial assets (251, 253, 256, 257, 25X) - /291, 29X/	059	-	-	-	-
B.IV.5.	Short-term financial assets in acquisition (259, 314A) - 291	060	-	-	-	-
<b>C.</b>	<b>Total accrued and deferred items (I. 062 to I. 065)</b>	<b>061</b>	<b>2,129,738</b>	<b>-</b>	<b>2,129,738</b>	<b>3,500,986</b>
C.1.	Prepaid long-term expenses (381A, 382A)	062	29,648	-	29,648	37,745
C.2.	Prepaid short-term expenses (381A, 382A)	063	119,353	-	119,353	4,813
C.3.	Prepaid long-term income (385A)	064	-	-	-	-
C.4.	Prepaid short-term income (385A)	065	1,980,737	-	1,980,737	3,458,428

Designation	EQUITY AND LIABILITIES	Line N.	Current accounting period	Penultimate accounting period
a	b	c	5	6
			(in EUR)	(in EUR)
	<b>Total equity and liabilities (I. 067 + I. 088 + I. 121)</b>	<b>066</b>	<b>1,530,171,768</b>	<b>1,573,275,890</b>
<b>A.</b>	<b>Equity (I. 068 + I. 073 + I. 080 + I.84 + r. 087)</b>	<b>067</b>	<b>221,792,137</b>	<b>248,027,142</b>
<b>A.I.</b>	<b>Total registered capital (I. 069 to I. 072)</b>	<b>068</b>	<b>36,446,940</b>	<b>36,446,940</b>
A.I.1.	Registered capital (411 or +/- 491)	069	36,446,940	36,446,940
A.I.2.	Treasury stock and treasury shares (/-/252)	070	-	-
A.I.3.	Changes in registered capital +/- 419	071	-	-
A.I.4.	Liabilities for issued equity (/-/353)	072	-	-
<b>A.II.</b>	<b>Total capital funds (I. 074 to I. 079)</b>	<b>073</b>	<b>110,023,403</b>	<b>111,591,333</b>
A.II.1.	Share premium (412)	074	-	-
A.II.2.	Other capital funds (413)	075	-	-
A.II.3.	Legal reserve fund (Non-distributable fund) from capital contributions (417, 418)	076	19,916	19,916
A.II.4.	Assets and liability revaluation reserve (+/- 414)	077	(5,087,814)	(3,519,884)
A.II.5.	Financial investment revaluation reserve (+/- 415)	078	115,091,301	115,091,301
A.II.6.	Revaluation reserve from fusions, mergers and separations (+/- 416)	079	-	-
<b>A.III.</b>	<b>Total funds from profits (I. 081 to I. 083)</b>	<b>080</b>	<b>35,056,504</b>	<b>33,416,797</b>
A.III.1.	Legal reserve fund (421)	081	8,402,768	8,402,768
A.III.2.	Non-distributable fund (422)	082	-	-
A.III.3.	Statutory and other funds (423, 427, 42X)	083	26,653,736	25,014,029
<b>A.IV.</b>	<b>Profit/loss from prior years (I. 085 + I. 086)</b>	<b>084</b>	<b>38,668,989</b>	<b>58,668,989</b>
A.IV.1.	Retained earnings from prior years (428)	085	38,668,989	58,668,989
A.IV.2.	Accumulated losses from prior years (/-/429)	086	-	-
<b>A.V.</b>	<b>Profit/Loss for current accounting period after tax +/- I. 001 - (I. 068 + I. 073 + I. 080 + I. 084 + I. 088 + I. 121)</b>	<b>087</b>	<b>1,596,301</b>	<b>7,903,083</b>
<b>B.</b>	<b>Liabilities (I. 089 + I. 094 + I. 106 + I. 117+ I. 118)</b>	<b>088</b>	<b>1,244,974,689</b>	<b>1,269,346,244</b>
<b>B.I.</b>	<b>Total provisions (I. 090 to I. 093)</b>	<b>089</b>	<b>1,137,361,975</b>	<b>1,162,544,415</b>
B.I.1.	Long-term legal provisions (451A)	090	11,426	36,680
B.I.2.	Short-term legal provisions (323A, 451A)	091	3,893,599	3,482,872
B.I.3.	Other long-term provisions( 459A, 45XA)	092	1,131,003,147	1,105,404,819
B.I.4.	Other short-term provisions (323A, 32X, 459A, 45XA)	093	2,453,803	53,620,044
<b>B.II.</b>	<b>Total long-term liabilities (I. 095 to I. 105)</b>	<b>094</b>	<b>61,496,717</b>	<b>68,288,414</b>
B.II.1.	Long-term trade liabilities (321A, 479A)	095	-	-
B.II.2.	Net contract value (316A)	096	61,120,163	67,986,247
B.II.3.	Long-term liabilities unbilled (476A)	097	-	-
B.II.4.	Long-term liabilities to subsidiaries and parent company (471A)	098	-	-
B.II.5.	Other long-term liabilities to entities in consolidation field (471A)	099	-	-
B.II.6.	Long-term advance payments received (475A)	100	-	-
B.II.7.	Long-term bills of exchange to be paid (478A)	101	-	-
B.II.8.	Bonds issued (473A/-/255A)	102	-	-
B.II.9.	Social fund payable (472)	103	376,554	302,167
B.II.10.	Other long-term payables( (474A, 479A, 47XA, 372A, 373A, 377A)	104	-	-
B.II.11.	Deferred tax liability (481A)	105	-	-

<b>B.III.</b>	<b>Total short-term liabilities (I. 107 to I. 116)</b>	<b>106</b>	<b>46,113,549</b>	<b>38,513,415</b>
B.III.1.	Trade payables (321, 322, 324, 325, 32X, 475A, 478A, 479A, 47XA)	107	16,227,793	19,234,625
B.III.2.	Net contract value (316A)	108	6,890,385	4,626,321
B.III.3.	Short-term liabilities unbilled (326, 476A)	109	-	-
B.III.4.	Liabilities to subsidiaries and parent company (361A, 471A)	110	-	-
B.III.5.	Other liabilities to entities in consolidation field (361A, 36XA, 471A, 47XA)	111	-	-
B.III.6.	Payables to partners and association (364, 365, 366, 367, 368, 398A, 478A, 479A)	112	-	-
B.III.7.	Employee liabilities (331, 333, 33X, 479A)	113	1,677,843	1,367,137
B.III.8.	Social insurance payables (336, 479A)	114	800,229	804,071
B.III.9.	Tax liabilities and subsidies (341, 342, 343, 345, 346, 347, 34X)	115	344,628	12,120,327
B.III.10.	Other payables (372A, 373A, 377A, 379A, 474A, 479A, 47X)	116	20,172,671	360,934
<b>B.IV.</b>	<b>Short-term financial assistance (241, 249, 24X, 473A, /-/255A)</b>	<b>117</b>	<b>-</b>	<b>-</b>
<b>B.V.</b>	<b>Bank loans (I. 117 + I. 118)</b>	<b>118</b>	<b>2,448</b>	<b>-</b>
B.V.1.	Long-term bank loans (461A, 46XA)	119	-	-
B.V.2.	Current bank loans (221A, 231, 232, 23X, 461A, 46XA)	120	2,448	-
<b>C.</b>	<b>Total accrued and deferred items (I. 122 to I. 125)</b>	<b>121</b>	<b>63,404,942</b>	<b>55,902,504</b>
C.1.	Prepaid long-term expenses (383A)	122	-	-
C.2.	Prepaid short-term expenses (383A)	123	56	125
C.3.	Prepaid long-term expenses (384A)	124	56,635,669	50,757,835
C.4.	Prepaid long-term expenses (384A)	125	6 769 217	5,144,544



## VÝKAZ ZISKOV A STRÁT

k 31. decembru 2012  
(v celých eurách)

Účtovná zvierka

- riadna  
 - mimoriadna

Účtovná zvierka

- zostavená  
 - schválená

(vyznačí sa X)

**Daňové identifikačné číslo**

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**IČO**

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**SK NACE**

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Za obdobie

Mesiac Rok  
od 0 1 2 0 1 2

do 1 2 2 0 1 2

Bezprostredne  
predchádzajúce  
obdobie

od 0 1 2 0 1 1

do 1 2 2 0 1 1

**Obchodné meno** (názov) účtovnej jednotky

J a d r o v á a v y r a d' o v a c i a s p o l o č n o s ť , a . s .

**Sídlo účtovnej jednotky**

Ulica

T o m á š i k o v a

Číslo

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Obec

B r a t i s l a v a

Číslo telefónu

0 3 3 / 5 3 1 2 7 1 6

Číslo faxu

0 3 3 / 5 3 1 2 4 7 2

E-mailová adresa

Zostavená dňa:  21.3.2013	Podpisový záznam osoby zodpovednej za vedenie účtovníctva:  	Podpisový záznam osoby zodpovednej za zostavenie účtovnej zvierky:  	Podpisový záznam člena štatutárneho orgánu účtovnej jednotky alebo fyzickej osoby, ktorá je účtovnou jednotkou:  
Schválená dňa:			

# Profit and loss statement as of 31 December 2012

Jadrová a vyrad'ovacia spoločnosť, a.s.

Tax Identification No.: 2022036599

Designation	TEXT	Line N.	Actual	
			Current accounting period	Penultimate accounting period
a	b	c	4 (in EUR)	5 (in EUR)
I.	Sales of goods bought for resale (604, 607)	01	-	-
A.	Costs of merchandise sold (504, 505A, 507)	02	-	-
<b>+</b>	<b>Gross margin (I. 01 - I. 02)</b>	<b>03</b>	<b>-</b>	<b>-</b>
<b>II.</b>	<b>Production (I. 05 + I. 06 + I. 07)</b>	<b>04</b>	<b>29,689,518</b>	<b>78,897,728</b>
II.1.	Revenues from the sale of own products and services (601, 602, 606)	05	27,805,053	76,490,501
II.2.	Changes in inventories (+/- Accounting Group)	06	-	-
II.3.	Own work capitalized (accounting group 62)	07	1,884,465	2,407,227
<b>B.</b>	<b>Consumables and services purchased (I. 09 + I. 10)</b>	<b>08</b>	<b>35,761,442</b>	<b>17,218,919</b>
B.1.	Consumed raw materials, energy and other non-inventory supplies (501, 502, 503, 505A)	09	7,214,956	5,441,065
B.2.	Services (Accounting Group 51)	10	28,546,486	11,777,854
<b>+</b>	<b>Added value (I. 03 + I. 04 - I. 08)</b>	<b>11</b>	<b>(6 071 924)</b>	<b>61,678,809</b>
<b>C.</b>	<b>Total personnel expenses (I. 13 to I. 6)</b>	<b>12</b>	<b>29,960,238</b>	<b>2,257,735</b>
C.1.	Wages and salaries (521, 522)	13	18,077,141	4,932,859
C.2.	Remuneration of board and co-operative members (523)	14	232,769	174,381
C.3.	Social insurance expenses (524, 525, 526)	15	8,155,413	2,070,082
C.4.	Social expenses (527, 528)	16	3,494,915	(4 919 587)
D.	Taxes and fees (Accounting Group 53)	17	2,708,594	1,452,873
E.	Amortization & depreciation and provisions for non-current intangible and non-current tangible assets (551, 553)	18	17,961,024	32,061,403
III.	Revenues from the sale of non-current assets and raw materials (641, 642)	19	718,179	1,121,877
F.	Net book value of non-current assets and raw materials sold (541, 542)	20	154,857	13,874
G.	Additions to and release of provisions for receivables (+/- 547)	21	112	10,728,057
IV.	Other operating revenues (644, 645, 646, 648, 655, 657)	22	103,530,999	(2 644 411)
H.	Other operating expenses (543, 544, 545, 546, 548, 549, 555, 557)	23	47,560,690	5,398,397
V.	Transfer of operating revenues (-) (697)	24	-	-
I.	Transfer of operating expenses (-) (597)	25	-	-
<b>*</b>	<b>Operating profit or loss (I. 11 - I. 12 - I. 17 - I. 18 + I. 19 - I. 20 - I. 21 + I. 22 - I. 23 + (-I. 24) - (-I. 25)</b>	<b>26</b>	<b>(168 261)</b>	<b>8,243,936</b>
VI.	Revenues from the sale of securities and ownership interests (661)	27	-	-
J.	Securities and ownership interests sold (561)	28	-	-
<b>VII.</b>	<b>Revenues from non-current financial assets (I. 30 + I. 31 + I. 32)</b>	<b>29</b>	<b>-</b>	<b>-</b>
VII.1.	Revenues from securities and ownership interests in subsidiary and associate (665A)	30	-	-
VII.2.	Revenues from other non-current securities and ownership interests (665A)	31	-	-
VII.3.	Revenues from other non-current financial assets (665A)	32	-	-
VIII.	Revenues from current financial assets (666)	33	-	-
K.	Expenses related to current financial assets (566)	34	-	-
IX.	Gains from revaluation of securities and financial derivative instrument transactions (664, 667)	35	-	-
L.	Expenses related to revaluation of securities and financial derivative instrument transactions (564, 567)	36	-	-

M.	Provisions created and accounted for financial activities +/- 565	37	-	-
X.	Interest income (662)	38	2,269,523	2,814,370
N.	Interest expense (562)	39	-	-
XI.	Foreign exchange gains (663)	40	20	278
O.	Foreign exchange losses (563)	41	77	728
XII.	Other financial revenues (668)	42	-	-
P.	Other financial expenses (568, 569)	43	1,399	1,173
XIII.	Transfer of financial revenues (-) (698)	44	-	-
R.	Transfer of financial expenses (-) (598)	45	-	-
<b>*</b>	<b>Profit/ Loss from financial activities I. 27 - I. 28 + I. 29 + I. 33 - I. 34 + I. 35 - I. 36 - I. 37 + I. 38 - I. 39 + I. 40 - I. 41 + I. 42 - I. 43 + (-I. 44) - (-I. 45)</b>	<b>46</b>	<b>2,268,067</b>	<b>2,812,747</b>
<b>**</b>	<b>Profit/ Loss from ordinary activities before tax (I. 26 + I. 46)</b>	<b>47</b>	<b>2,099,806</b>	<b>11,056,683</b>
<b>S.</b>	<b>Income tax on ordinary activities (I. 49 + I. 50)</b>	<b>48</b>	<b>503,505</b>	<b>3,153,600</b>
S.1.	- current (591, 595)	49	503,505	9,057,021
S.2.	- deferred (+/- 592)	50	-	(5,903,421)
<b>**</b>	<b>Profit/Loss from ordinary activities after tax (I. 47 - I. 48)</b>	<b>51</b>	<b>1,596,301</b>	<b>7,903,083</b>
XIV.	Extraordinary revenues (accounting group 68)	52	-	-
T.	Extraordinary expenses (accounting group 58)	53	-	-
<b>*</b>	<b>Profit/ Loss from extraordinary activities before tax (I. 52 - I. 53)</b>	<b>54</b>	<b>-</b>	<b>-</b>
<b>U.</b>	<b>Tax on income from extraordinary activities (I. 56 + I. 57)</b>	<b>55</b>	<b>-</b>	<b>-</b>
U.1.	- current (593)	56	-	-
U.2.	- deferred (+/- 594)	57	-	-
<b>*</b>	<b>Profit/Loss from extraordinary activities after tax (I. 54 - I. 55)</b>	<b>58</b>	<b>-</b>	<b>-</b>
<b>***</b>	<b>Profit/Loss for the accounting period before tax (+/-) (I. 47 + I. 54)</b>	<b>59</b>	<b>2,099,806</b>	<b>11,056,683</b>
V.	Profit of partnership transferred to partners (+/- 596)	60	-	-
<b>***</b>	<b>Profit/loss for reporting period after taxation (+/-) (I. 51 + I. 58 - I. 60)</b>	<b>61</b>	<b>1,596,301</b>	<b>7,903,083</b>

## AUDITOR'S REPORT

### ADDENDUM TO THE AUDITOR'S REPORT

#### on auditing compliance of the Annual Report with Financial Statements under the Act No. 540/2007 Coll., Article 23 (5)

To the Shareholders and the Board of Directors of Jadrová a vyrad'ovacia spoločnosť, a.s.:

I. We have audited the financial statements of the company Jadrová a vyrad'ovacia spoločnosť, a.s. (hereinafter referred to as "Company") as of December 31st 2012 presented in the Annual Report and on March 27th 2013, we herewith announce Auditor's Report in the following wording:

#### INDEPENDENT AUDITOR'S REPORT

To the Shareholders and the Board of Directors of Jadrová a vyrad'ovacia spoločnosť, a.s.:

We have audited the financial statements of the company Jadrová a vyrad'ovacia spoločnosť, a.s. (hereinafter referred to as "Company"), which comprise the Balance Sheet as of 31 December 2012, Profit and Loss Account and notes with a summary of significant accounting procedures and other supplementary information.

#### **Responsibility of the Company Statutory Body for the Financial Statements**

The statutory body of the Company is responsible for the preparation and the correct presentation of these Financial Statements in accordance with the Slovak Accounting Act No. 431/2002 Coll. as amended (hereafter referred to as the „Accounting Act“) and for internal controls it considers necessary for the Financial Statements preparation to avoid any significant inaccuracies caused by a fraud or mistake.

#### **Responsibility of an Auditor**

It is our responsibility to present our opinion on these Financial Statements on the basis of our audit. We conducted the audit in compliance with the International Audit Standards. Following these standards, we are obliged to observe the ethical standards, and to plan and perform the audit in a way that allows us to obtain reasonable assurance that the Financial Statements are free of significant inaccuracies.

An audit comprises the procedures to obtain audit evidence about the amounts and disclosures in the Financial Statements. The procedures selected depend on the auditor's judgment, including the assessment of the risks of material misstatement of the Financial Statements, whether due to fraud or error. In making those risk assessments, the auditor considers internal control relevant to the entity's preparation and fair presentation of the Financial Statements 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 entity's internal control. An audit also includes evaluation of the appropriateness of the accounting policies and accounting methods used, and the reasonableness of accounting estimates made by the management, as well as the overall presentation of the Financial Statements.

We believe that the audit evidence we have obtained is sufficient and appropriate to provide a basis for our audit opinion.

#### **Opinion**

In our opinion, the Financial Statements give a true and fair view of the financial position of the Jadrová a vyrad'ovacia spoločnosť, a.s. as of December 31st 2012, as well as of its financial performance and the cash flows for the year then ended, in accordance with the Slovak Accounting Act.

### **Emphasizing Circumstances**

As stated in Notes III.4, IV.2 and VIII.2 of the Financial Statements, as of December 31st 2012, the Company used important estimates when accounting reserves and liabilities for future subsidies in relation to liquidation of nuclear installations, spent nuclear fuel storage and radioactive water processing on the grounds of strategy for the final part of nuclear power engineering approved by the Government of the Slovak Republic in 2008. The existing insecurities contained in the cost estimates for the decommissioning of nuclear installations and related activities may mean significant modifications from the perspective of financial situation and the retained earnings in future.

As stated in Notes I.1.2 and III.2 of the Financial Statements, the Company established a joint venture Jadrová energetická spoločnosť Slovenska, a.s. together with ČEZ Bohunice a.s., a daughter company of ČEZ, a.s. (key electricity producer in the Czech Republic) with the goal of constructing a new power plant. Future development and return on investment made into the joint venture depends on the decision regarding the construction, which shall be adopted only after a feasibility study has been worked out.

As stated in Notes II.13 of the Financial Statement, as of 1 January 2012 there was a change of accounting procedures that is related to presentation of using of reserves financially covered by subsidies. Therefore, the amounts presented in the Profit and Loss Account per year ended on 31 December 2012 cannot be compared with financial information from previous accounting period. Financial information for previous accounting period ended on 31 December 2011 presented consistently with new procedures applicable in 2012 are presented in Notes II.13 of the Financial Statement.

Our opinion is not modified by these circumstances.

II. We also audited the compliance of the Annual Report with the above given Financial Statements. The statutory body of the Company is responsible for correct preparation of the Annual Report. Our task is to issue our opinion on compliance of the Annual Report with the Financial Statements, based on our audit.

We carried out the audit in accordance with the International Audit Standards, which require the Auditor to plan and perform his audit so that he obtains reasonable assurance that the information given in the Annual Report presented in the Financial Statements are, in all significant interconnections, in compliance with the relevant Financial Statements. We have reviewed the information given in the Annual Report in Chapter XIII. with the information given in the Financial Statements as of December 31st 2012. The data and information that were different from accounting information obtained from the Financial Statements were not verified. We are sure that the performed tests provide an appropriate supporting material for an Auditor to express his opinion.

According to our opinion, the accounting information given in the Annual Report is in all significant interconnections in compliance with the above given Financial Statements made as of December 31st 2012.

Bratislava, 6 May 2013

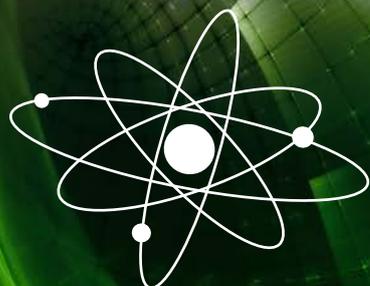
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Ing. Wolda K. Grant, FCCA  
Responsible Auditor  
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## LIST OF ABBREVIATIONS

<b>AKOBOJE</b>	NPP Automated Safety Protection Complex
<b>ALARA</b>	As Low As Reasonable Achievable – a principle for optimization of radiation exposure of persons
<b>BIDSF</b>	Bohunice International Decommissioning Support Fund
<b>BR WTC</b>	Bohunice Radioactive Waste Treatment Centre
<b>CO</b>	Carbon dioxide
<b>C<sub>org</sub></b>	Organic carbon
<b>CP</b>	Civil Protection
<b>CRAM</b>	Captured Radioactive Materials
<b>EBRD</b>	European Bank for Reconstruction and Development
<b>ERO</b>	Emergency Response Organization
<b>EU</b>	European Union
<b>FCC</b>	Fibre-concrete Container
<b>FP</b>	Fire Protection
<b>FP LRW</b>	Final Processing of Liquid Radioactive Waste
<b>INES</b>	International Nuclear Events Scale
<b>IRAW</b>	Institutional RAW
<b>ISFS</b>	Interim Spent Fuel Storage
<b>JAVYS</b>	Jadrová a vyrad'ovacia spoločnosť, a.s. / Nuclear and Decommissioning Company
<b>JESS</b>	Jadrová energetická spoločnosť Slovenska, a.s. / Nuclear Energy Company of Slovakia
<b>LRAW</b>	Liquid RAW
<b>MPB</b>	Main production building
<b>NNF SR</b>	National Nuclear Fund of the Slovak Republic
<b>NO<sub>x</sub></b>	Nitrate oxides
<b>NPP</b>	Nuclear Power Plant
<b>NRA SR</b>	Nuclear Regulatory Authority of the Slovak Republic
<b>NRWR</b>	National Radioactive Waste Repository
<b>OSH</b>	Occupational Safety and Health
<b>PHA SR</b>	Public Health Authority of the Slovak Republic
<b>PMU</b>	Project Management Unit
<b>RAW</b>	Radioactive Waste
<b>RAW PTT</b>	RAW Processing and Treatment Technologies
<b>SE, a.s.</b>	Slovenské elektrárne, joint stock company, member of Enel Group
<b>SE-EBO</b>	Slovenské elektrárne, a.s., Bohunice NPP
<b>SE-EMO</b>	Slovenské elektrárne, a.s., Mochovce NPP
<b>SNF</b>	Spent Nuclear Fuel
<b>SO<sub>2</sub></b>	Sulphate dioxide
<b>VLA RAW</b>	Very low active RAW





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