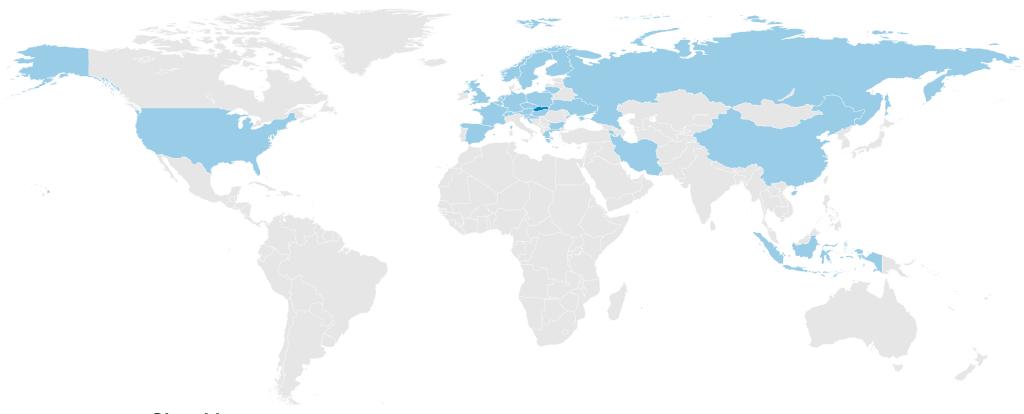


VUJE Activities Worldwide



Slovakia

Armenia, Belgium, Czech Republic, China, Austria, Croatia, Finland, France, Greece, Netherlands, Hong Kong, Indonesia, Iran, Liechtenstein, Lithuania, Hungary, Germany, Norway, Poland, Russia, Slovenia, Spain, Switzerland, Sweden, Ukraine, USA, UK, Vietnam, Pakistan, Turkey, South Africa





1/1/1977 Establishment of the state-owned company
Výskumný ústav jadrových elektrární š. p. Jaslovské
Bohunice

(VUJE = NPP Research Institute)

operation support and commissioning of Czechoslovak NPPs

1/11/1994 Privatization and transformation into the joint-stock company VÚJE Trnava, a.s. orientation towards engineering and designing and complex investment projects

15/8/2000 Transformation into the engineering company VÚJE Trnava, a.s. – engineering, design and research organization

expansion of activities into the fields of electric power transmission and distribution, conventional power industry and use of renewable resources

9/7/2004 Modification of the commercial name to VUJE, a.s. international activities consolidation

Nuclear Power Industry

Study

Pre-design analyses, feasibility studies





Designing

Construction proceeding, safety documentation and regulations, project management



Construction

Design, delivery, assembly, initialization, physical & power start-up, assessment of the equipment



Operation

Operation safety & reliability, personnel training, diagnostics, NDT, upgrading



Decommissioning

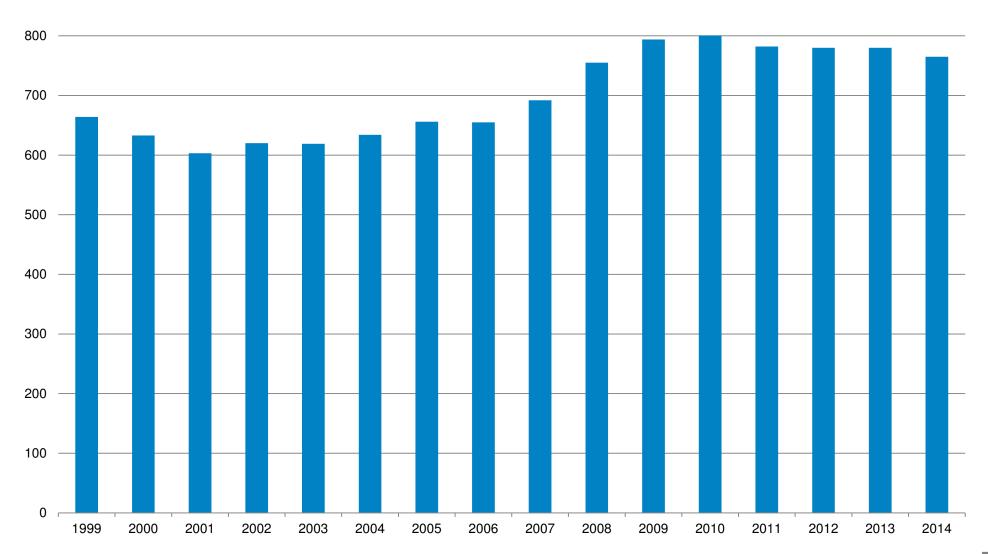
Nuclear-installations-decommissioning design and execution, RAW management, remote manipulator development & operation



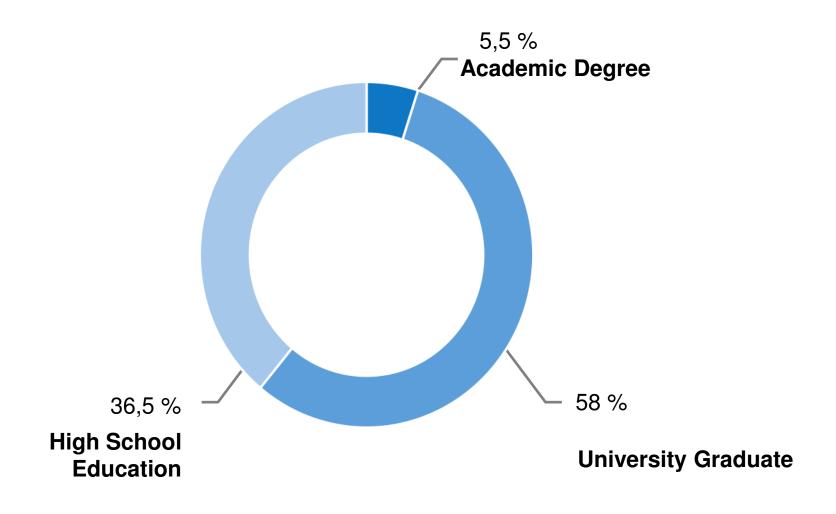




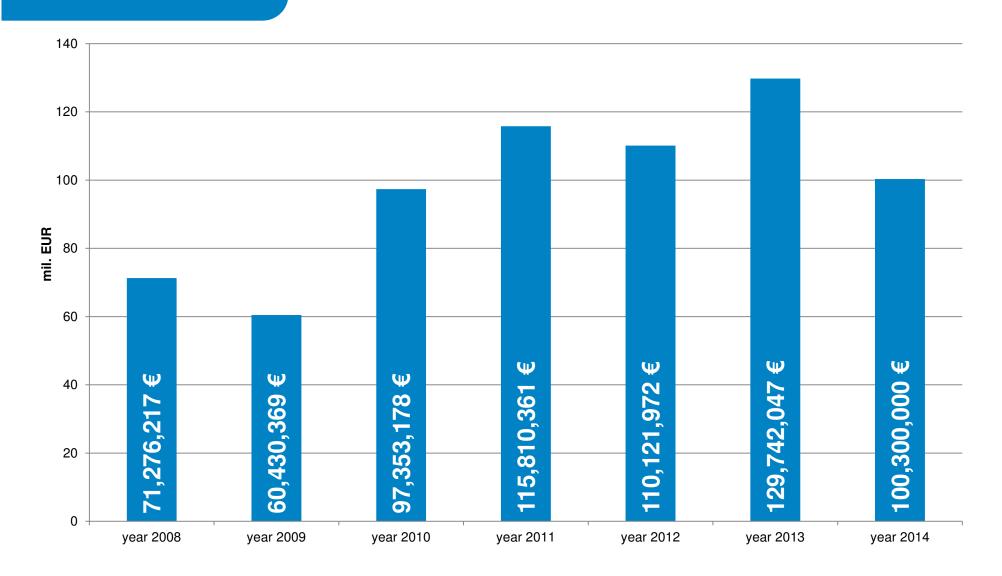
Number of Employees Documented Status as of 31/12



Qualification Structure 2014



Annual Revenue from the Sale of own Products and Services (2008–2014)





Organization Structure

Department of General Director

Division for Nuclear Safety

Division for Diagnostics of Nuclear Power Components

Division for Preparation of NPP Operation

Division for Support of NPP Operation

Division for NNP Personnel Training

Division for Radiation Safety, NPP Decommissioning and Radwaste Management

Division for Information Technologies

Division for Commerce, Engineering Activities and Services

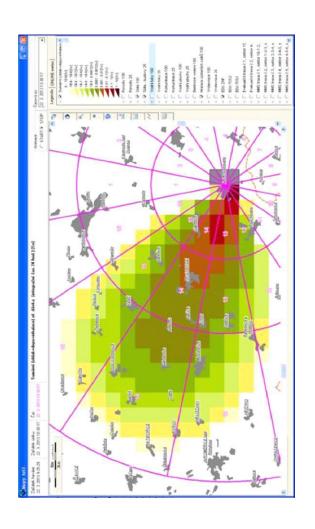
Division for Economy

Division for Support of Electric Grid Control and Operation

Division for R&D Project Coordination

Division for Preparation and Construction of New Nuclear Power Installations

0200 **Division for Nuclear Safety**



Significant References

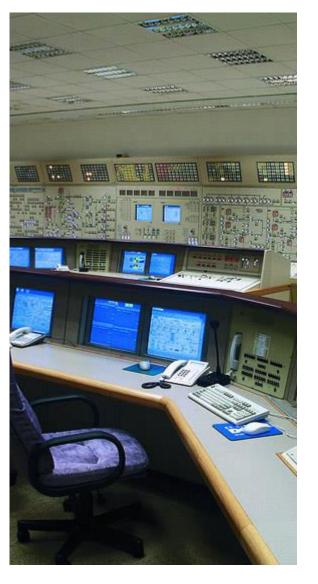
- Design basis reconstitution of Bohunice and Mochovce units
- Safety and operation documentation of MO34 NPP SAR (POSAR), PSA, EOPs, SAMGs
- Complex periodic safety review of all Slovak NPPs
- Post-accident monitoring system and in-core monitoring system for the Mochovce NPP
- Increase in nominal installed capacity of the Bohunice and Mochovce units
- Identification of emergency planning zones for Slovak NPPs
- Emergency planning and preparedness support for the Nuclear Regulatory Authority of the Slovak Republic



0300 **Division for Diagnostics**

Significant References

- Manipulators for in-service inspection (eddy current, ultrasonic, visual testing) and maintenance (plugging, sealing planes restoration) of steam generators
- In-service inspection of NPP primary circuit components
- Turn-key supplies of diagnostic systems
- NPP pipe-line systems integrity stress analyses, seismic resistance and fatigue defects calculations
- Radiation, thermal and corrosion degradation assessments of NPP component materials
- Equipment for decontamination of NPP components and fragmentation of low to medium level RAW
- Seismic reinforcement and extension of storage capacity of the interim spent fuel storage
- Reconstruction of the Bohunice RAW treatment centre



0500 Division for Support of NPP Operation

Significant referencies:

- Gradual reconstruction of the Bohunice NPP, Units 1&2 (General contractor together with the SIEMENS company) (1996 to 2000)
- Modernization of the Bohunice NPP, Units 3&4 (General designer and technical support of the General contractor) (2001 to 2008)
- Elaboration of safety documentation (chapters of SAR) and operating documentation for Mochovce NPP, Units 3&4 (2011 to 2016)
- Modernization of the Bohunice NPP, Units 3&4 and the Mochovce NPP, Units 1&2 (turn-key deliveries of new systems for severe accidents management)

(2011 to 2016)

 Feasibility study of the Safety I&C Modermization Project at the Mochovce NPP Unit 1&2

(2014 to 2015)





- a) Engineering support during implementation of severe accidents management programme at NPP units with VVER:
 - Symptom-oriented emergency procedures (EOPs)
 - Severe accidents management guidelines (SAMGs)
 - Analyses for NPP modifications with VVER necessary for SAMGs implementation.
 - New systems supplies designated for severe accidents management - SAM (turn-key supplies)
- b) Remote controled equipment for inspection and maintenance of VVER NPP primary circuit components



VUJE, a.s. - Offer for Cooperation (cont'd.)

- c) Turn-key supplies of the diagnostic systems:
 - Leakage/humidity monitoring system
 - Loose part monitoring system
 - Vibration monitoring system (I.C. components)
 - Main circulation pumps condition monitoring
 - Intelligent recognition of anomalies in water chemistry
 - Fatigue monitoring (I.C. components)
 -
- d) Engineering support at I&C safety systems modernisation for NPP of VVER type: designing, licensing documentation development, safety analyses, independent verification of documentation

Contacts



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