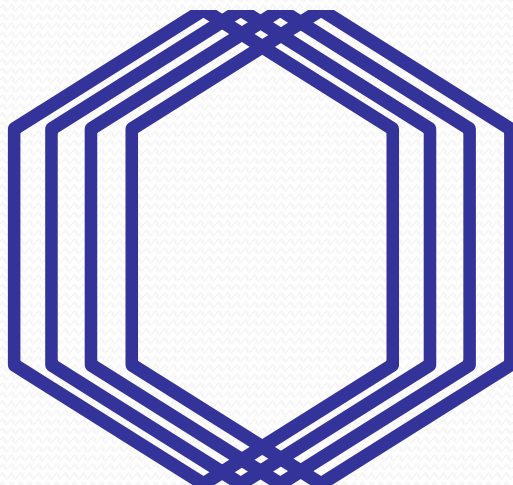




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Kópis & Partner
Maintenance and Installation Ltd.



VASÚT U. 10.

Paks

H-7030

Hungary

Károly TAKÁCS



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From Company

The Bt Kópis and Co. was established in 1992 with the aim of the Paks Nuclear Power Plant in the year in maintenance and renovation in attend.



Main activities:

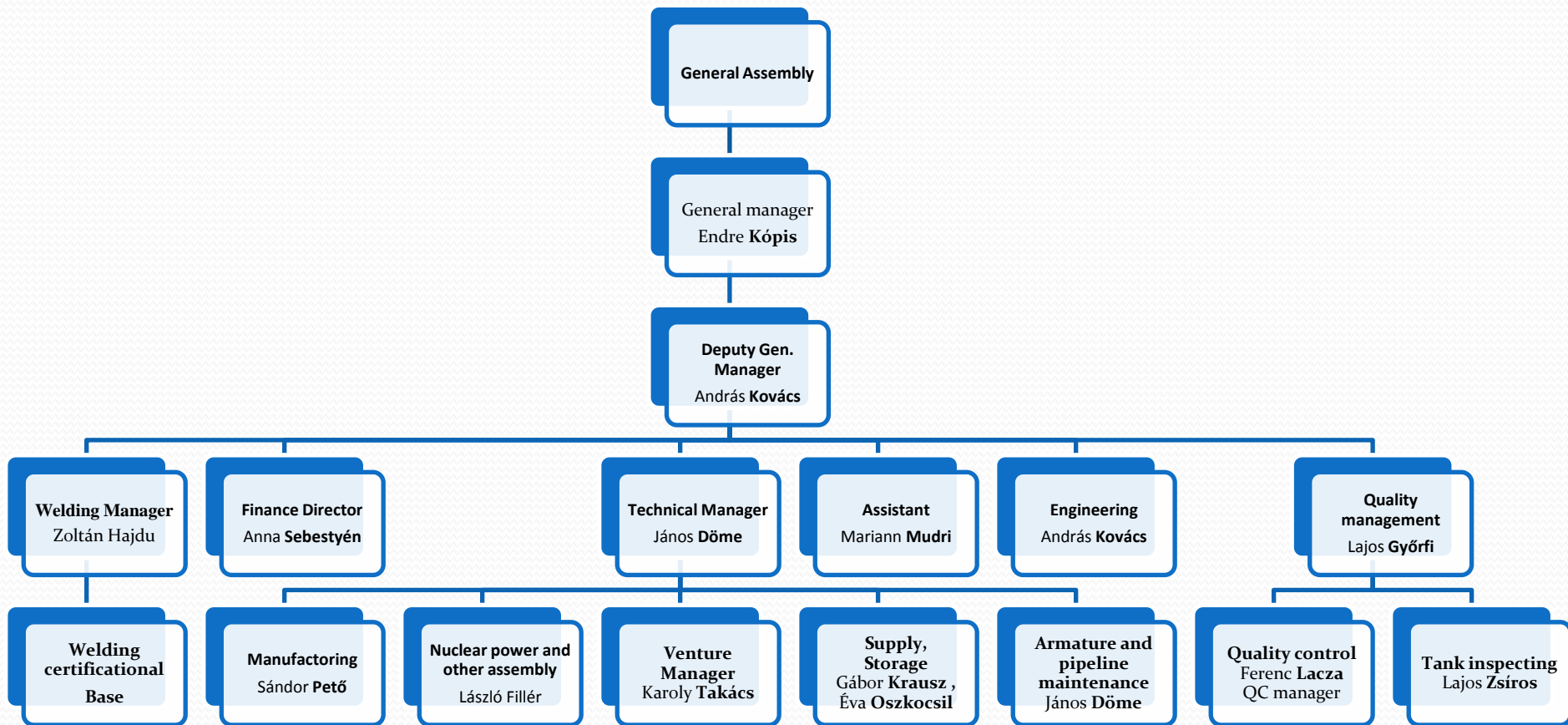
- Nuclear fields;
- Hungarian energy sector;
- Participation in environmental projects.

Main directions:

- The knowledge and experience in order to improve targeted areas,
- The reorganization of the business of flexibility and fast response,
- The management information system supporting the introduction of (Enterprise Resource Planning)
- Quality Assurance development
- Participation in the Paks Nuclear Power Plant Operating Time Extension Program.

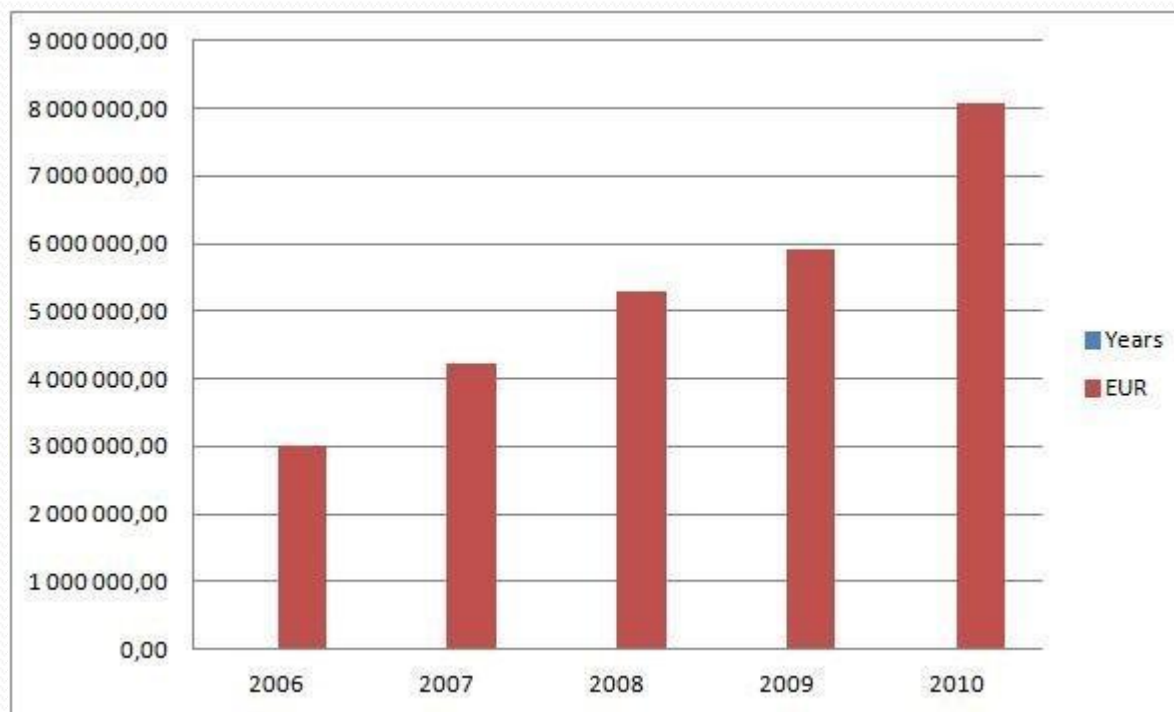


Organizational chart



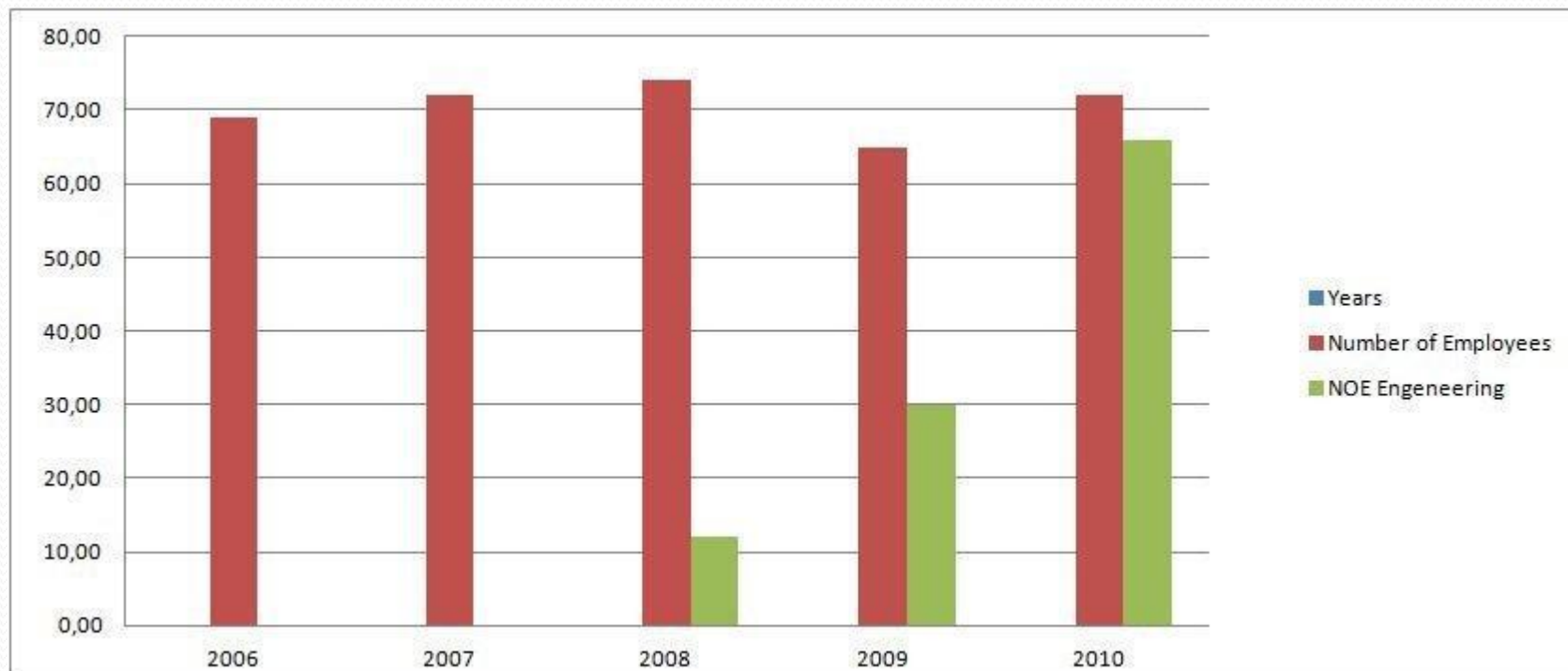


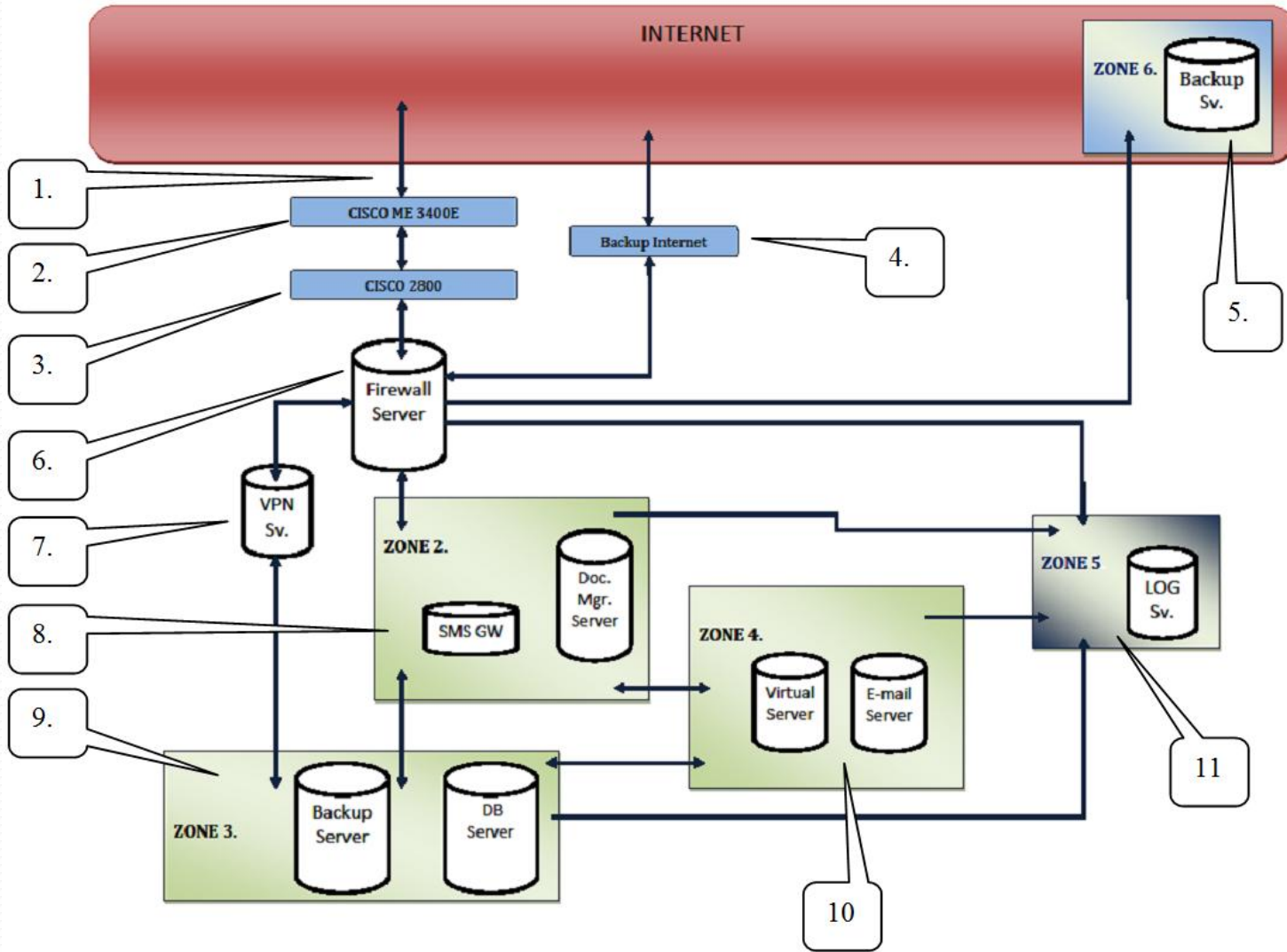
TURNOVER





Number of employes







Main Activities

1. Steel structures and installations

- a) *Manufacturing Steel structures*
- Accessibility, ease of specific constructions of carbon steel and corrosion resistant materials..

- b) *Piping works*
- Carbon steel and stainless pipe sections composition, manufacturing (welding), ready-made fittings, custom machined parts using
- Impulses assembly lines.

- c) Steel structures, equipment, piping systems site installation
- Metals storage tanks manufacture and assembly;
- Carbon steel and corrosion-resistant curved or flat-ended containers Preparation;



2. Chipping

- Lathe
- Milling

3. Diamond Technology

- Concrete, ferro-concrete drilling
- Fixing technology

4. Qualification and certification of welders

- Training and educations
- Qualification

5. Complete installation of nuclear power plant technology, installation and maintenance in Hungary and abroad.



BUILDINGS, EQUIPMENTS AND TOOLS

Halls:

- 1400 m² Steel structures and equipment manufacturers, assembly workshop;
- 240 m² „Clean assembly workshop” acid proof and corrosion-resistant products;
- 110 m² machining workshop;
- 250 m² stocs.

Furnished halls are equipped with modern facilities.

The 600 m² of offices established high infrastructure.

The office building next to dressing, bathing and dining room is located.



Machining Equipments

- Welding equipments (Kemppi, ESAB, Fronius) and ORBIMATIC automatic pipe welding machine
- CNC plazma and flame cutting machine ESAB COMBIREX CXL-P;
- Lathe és CNC Lathe;
- Plate roller machine with four barrels 15x2000 300 HSM 4;
- Piping and disc throwing equipments, CNC sharp throwing 300 t,
- Cutting machine (RÜCH);
- Other hand equipments.



Main References

- Units 1 construction Radiation Control System Control Subsystem Work and Technology (SER-MT) Mechanical design of reconstructions ;
- Units 1-4 Paks NPP Replacement of Safety Cooling water Pipelines;
- Units 1-4 Paks NPP Valves maintenance in controlled area 2007-2014;
- Units 1-4 Paks NPP reactor protection reconstruction impulse wires replacement;
- Units 1-4 Paks NPP High-pressure body weldings works;
- Hot test rig of pressurizer safety pilot valves, design, installation and commissioning;
- Manufacturing and installations of Single lens compensators of steam separators steam turbines;
- Earthquake-resistance strengthening (EASY FIX, HEAVY FIX)



Others References

- LO₁ and LO₂ Participation in outage works „Loviisa”
- Radioactive waste solidification plant piping works „Loviisa”
- P90 pipelines pre fabrications of Százhalombattai PP (G-3-as projekt) Százhalombatta
- Drainage system assembly of radwaste depository LOKIT „Loviisa”
- Holming Works HOT PRESS (paper mill) Holming Works
- Manufacture of crane parts Holming Works
- Manufacture cooling units AREVA
- Installation of wastewater treatment plant in Szeged Passavant



Projects in progress

- Installations of technology pipelines of Vegetable oil Factory Fogtői
- Bábaapáti: National Radioactive Waste Storage in underground technology equipment and installation of pipelines.
- Valve maintenance work Waste-to Energy Plant
- Participation of Paks NPP life time extending



- Technical Specification review;
- Development of electronic versions of periodic test and training of operational personnel of Paks NPP;
- Operational test procedures and training;
- Control Engineering (I&C) plans to digitize;
- Maintain effective monitoring is the introduction of E diry processing;
- Training for oprational staff.



KÓPIS LTD'S important QUALIFICATIONS

- BS EN ISO 9001:2008
- BS EN ISO 14001:2004
- BS OHSAS 18001:2007
- Paks NPP ZRT. KM 30/2010
- TÜV Rheinland MSZ EN ISO 3834-2
- TÜV Rheinland 9/2001
- RHK supplier qualification BE-2010/13



A PAKSI ATOMERŐMŰ ZRT. IGAZOLJA, HOGY KÖVETELMÉNYEINEK A

KÓPIS ÉS TÁRSA KFT.

MINŐSÍGRÁNYTÁSI RENDSZERE

MEGFELEL.

MINŐSÍTÉSI TERVEZET

ABOR 1.2.3. Hitelesítési terület: A 4T osztályba sorolt gépvezérlési technológiai rendszerek...

ABOR 1.2.3. Hitelesítési terület: A 4T osztályba sorolt technológiai rendszerek...

A MINŐSÍTÉS ÉRVÉNYSZÁMA: KM 30/2010

ÉRTÉKELÉS MEGJELENÉS DÁTUM: 2010.05.25.

Paks, 2010. május 25.

BÁJZS JÓZSEF

szózatlyvezető



KOVÁCS GYULA osztályvezető



TÜVRheinland MBVTI

Alkalmassági tanúsítvány (11/1994. IKM) Capability certificate (Decree No.: 11/1994. IKM)

TANÚSÍTVÁNY CERTIFICATE

A 44/1995.(IX.15.) IKM rendelettel módosított 11/1994.(II.25.) IKM rendelet...

KÓPIS ÉS TÁRSA Szerelő és Karbantartó Kft. 7030 Paks, Vasút utca 10.

elérési terület:

1. rendszerterv megalkotása, kiválasztás, és jelzése a rendszerterv...

2. rendszerterv megalkotása, kiválasztás, és jelzése a rendszerterv...

3. rendszerterv megalkotása, kiválasztás, és jelzése a rendszerterv...

4. rendszerterv megalkotása, kiválasztás, és jelzése a rendszerterv...

A Tanúsítvány érvényes 2012. június 24-ig.

Budapest, 2009. június 7. Budapest, 97.07.2009



dr. László Péter ügyvezető igazgató



MBVTI Minőség-ellenőrzési és Szolgálatokért Felelős Osztály





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Single-lens compensator manufacturing and installation at PAKS NPP's steam turbines





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Single-lens compensator manufacturing and installation at PAKS NPP's steam turbines



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Stainless steel tanks

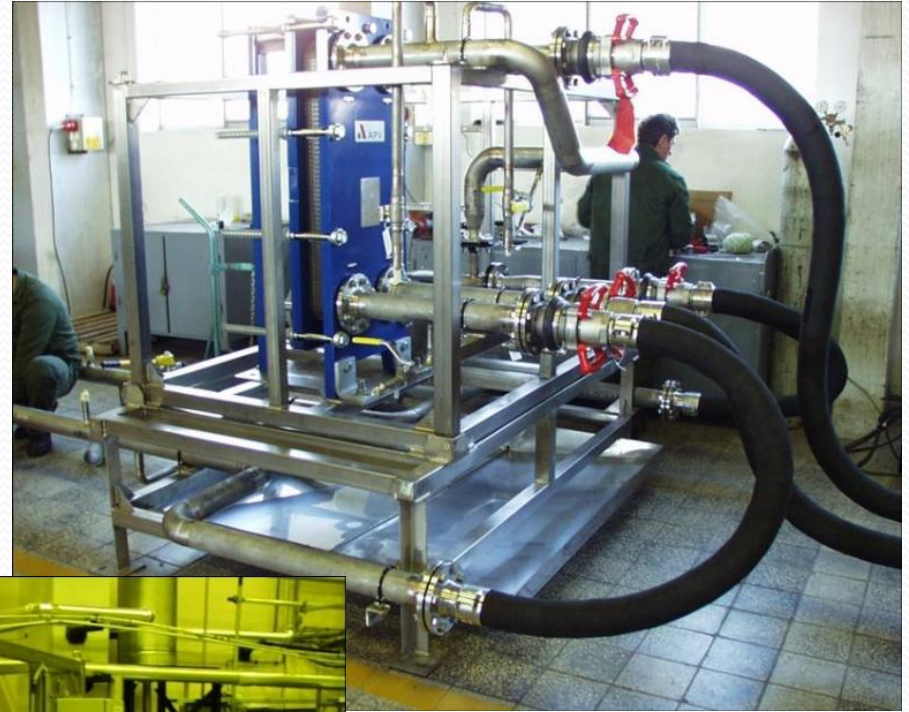
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Independent cooling system installation for Paks NPP



www.atomeromu.hu

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Szeged waste water treatment plant stainless steel pipe systems installation



www.szegedivizmu.hu

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Installation, rubber coated NaOH tank to Paks NPP





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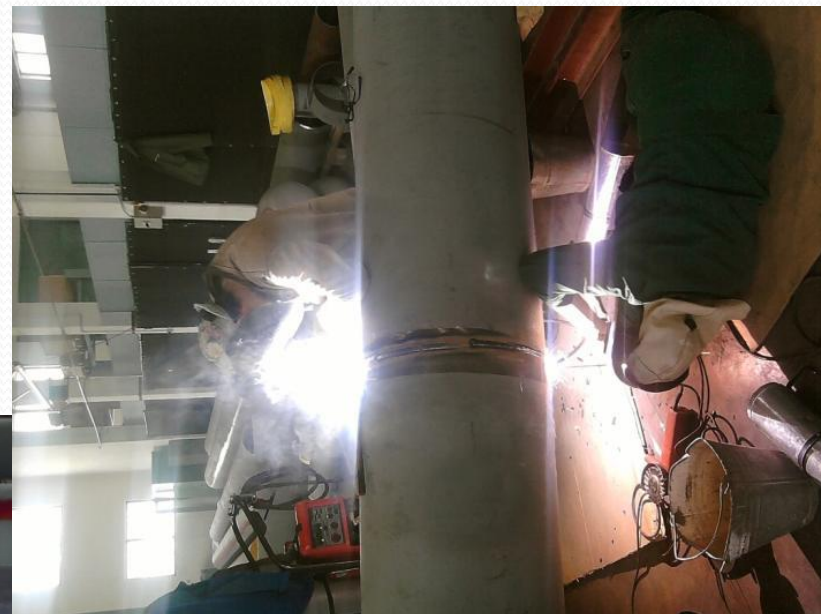


Carbon steel staging for Unit 2 of Paks NPP



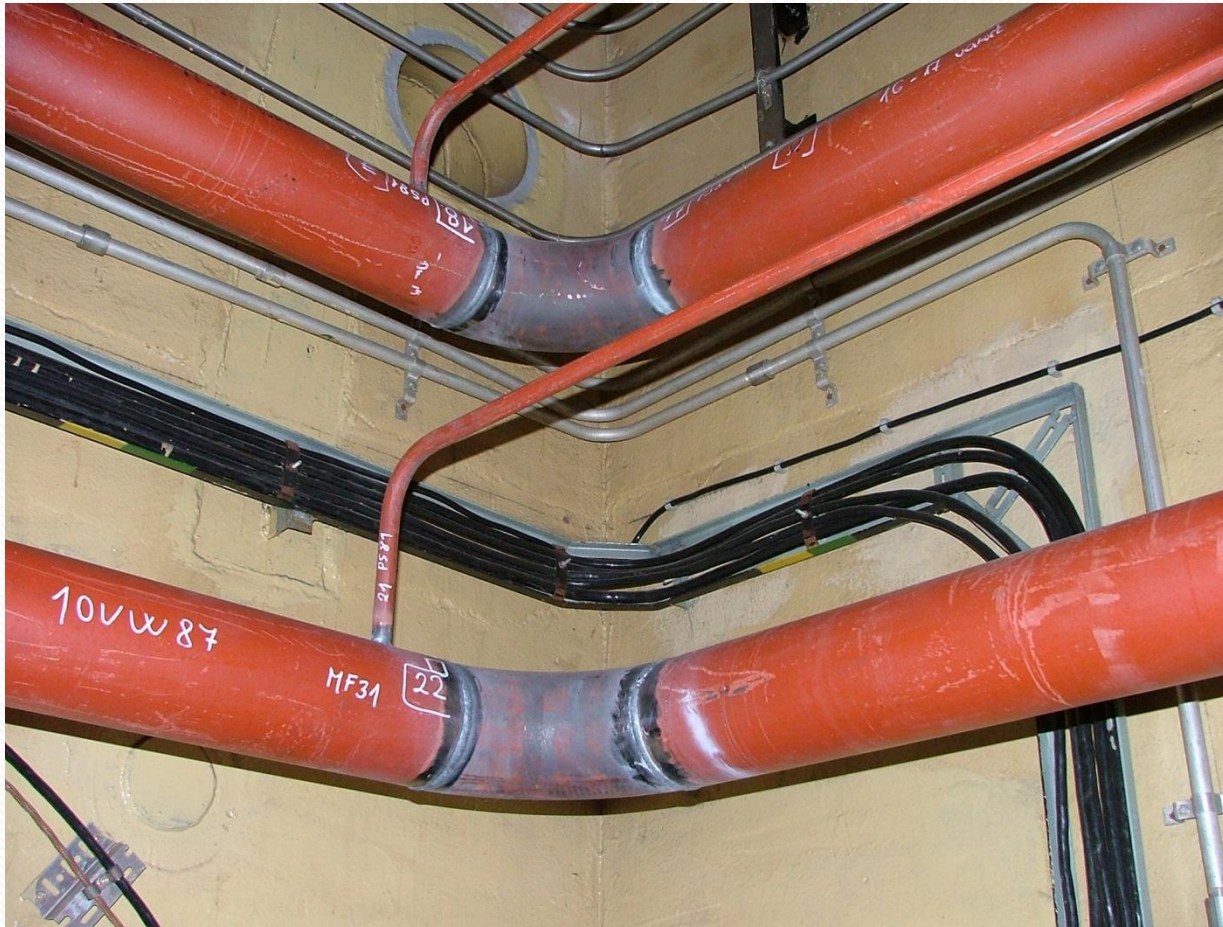


G3 Project Dunamenti PP: P91 welding





Replacement of safety cooling water pipelines Paks NPP





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ORBIMATIC automatic pipe welding machine (AWI „TIG”)



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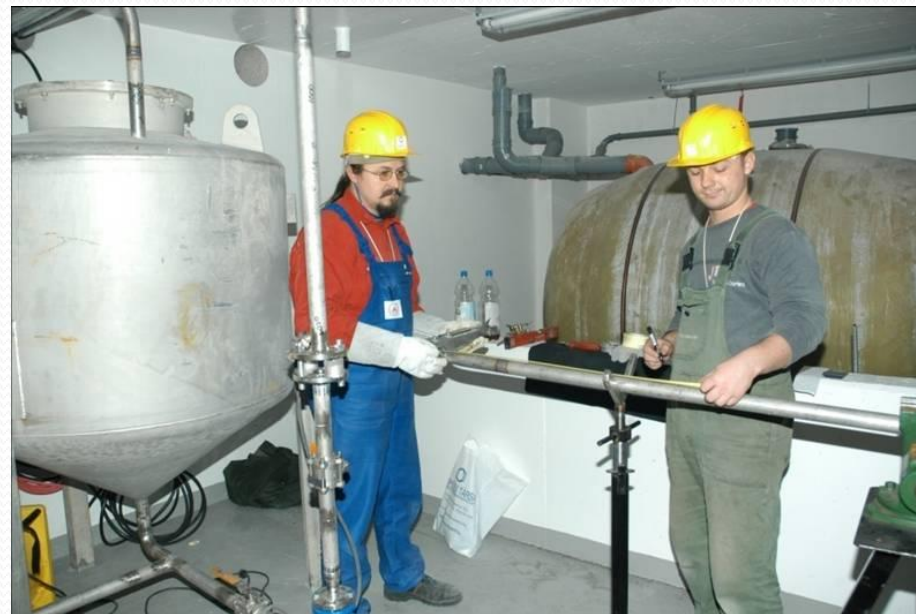


Penetration bellows replacements in Loviisa NPP





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**Radwaste solidification
plant erection work at
Loviisa NPP**



www.kopiskft.hu



Radwaste container to Loviisa NPP



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**Hot press parts for
Hollming Works Oy
(Finland)**



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Thank you very much for your attention!