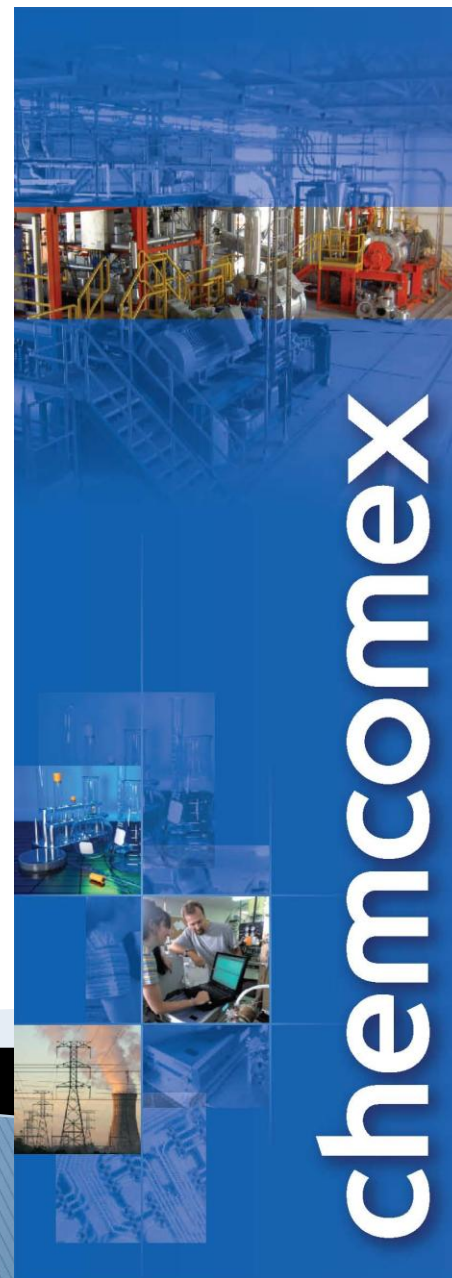


## GROUP OF COMPANIES

### Presentation, Products and Activities

Prague, October 2011  
**Marcel Rychlik, MSc.**  
Supervisory Board President  
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**chemcomex**

**CHEMCOMEX group of companies are a significant Czech supplier of facilities and systems for nuclear and classic power industry, medical radiotherapy and other industrial branches utilizing ionizing radiation**

# CHEMCOMEX Group



chemcomex

**CHEMCOMEX Praha, a.s.**

(established 1989)



**VF, a.s.**

(established 1992)



**UJP PRAHA a.s.**

(established 1966)

**400 employees**

**Turn-over 1 200 mil. CZK (50 mil. EUR)**

**Profit 130 mil. CZK (5.3 mil. EUR)**

**Total assets 1 320 mil. CZK (54 mil. EUR)**

# Certification

- ▶ ISO 9001:2008 Quality management
  - ▶ ISO 14001:2004 Environmental management
  - ▶ ISO 3834-2:2006 Welding process quality
  - ▶ OHSAS 18001:2007 Safety and hygiene at work
  - ▶ PED 97/23/ES Pressure equipment
  - ▶ ISO 13485:2003 Production of medical devices
  - ▶ IEC 17025:2005 Testing and calibration laboratories
  - ▶ ISO 27001:2006 Information security
  - ▶ National authorization State Board for Nuclear Safety and Czech metrology institute
- 

# Products

- ▶ **Manufacture of measuring devices and complex systems for radiation control**
- ▶ **Manufacture of tubing parts and assembly of tubing systems**
- ▶ **Manufacture of irradiation and calibration facilities**
- ▶ **Manufacture of systems for handling liquid radioactive wastes**
- ▶ **Manufacture of X-ray simulators**
- ▶ **Complex deliveries of technological subsystems for handling and distribution of technological waters**
- ▶ **Material engineering and expertise works in the area of nuclear fuel**

# Radiation Control



## Reference:

### ► Systems

- Czech and Slovak Republics
- Russian Federation (Smolensk NPP)
- Bulgaria (Kozloduj NPP, Novi Han)
- Armenia, Pakistan, India

### ► Components

- Czech and Slovak Republics
- Russian Federation
- UK
- Bulgaria, Romania
- Poland, Ukraine
- Pakistan, India, China



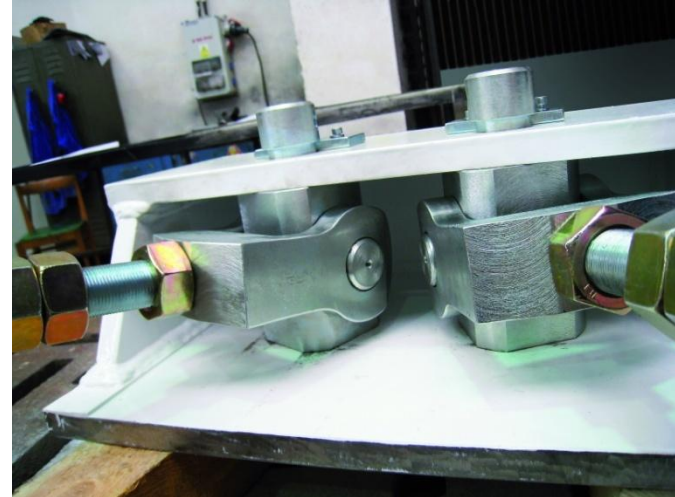
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2	Beam -technologie	50	µSv/h	1.6.2009 10:26	0,107	0
3	Sledovani páleno 0n - opa.	50	µSv/h	1.6.2009 10:26	0,107	0
4	Sledovani páleno 0n	50	µSv/h	1.6.2009 10:26	0,107	0
21	Sledovani páleno 0n	50	µSv/h	1.6.2009 10:26	0,111	0
22	Sledovani páleno 0n - opa	50	µSv/h	1.6.2009 10:26	0,105	0
23	Sledovani páleno +4.3e	50	µSv/h	1.6.2009 10:26	0,111	0
24	Verkovni prapar	50	µSv/h	1.6.2009 10:26	0,115	0
25	Beam - Labymt	50	µSv/h	1.6.2009 10:26	0,111	0
26	Beam -technologie	50	µSv/h	1.6.2009 10:26	0,111	0



# Tubing Systems

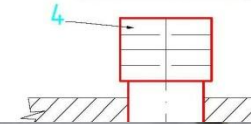
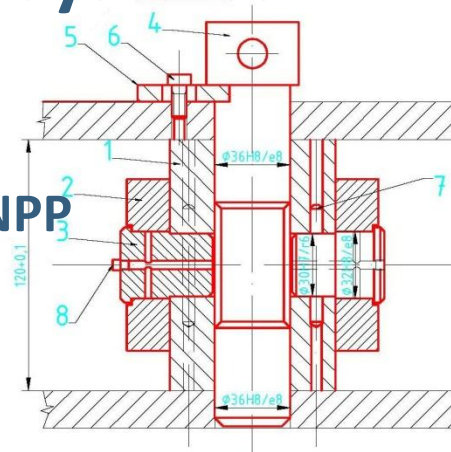
## ▶ Manufacture of Tubing parts

- Flanges, Junctions, T-parts
- Installation and reinforcement
- Segments pipe-elbows
- Prefabrication



## ▶ Complex Tubing Systems

- Mochovce NPP
- Dukovany NPP
- Jaslovske Bohunice NPP



# Waste Management

- ▶ **Manufacture of systems for solidification of liquid wastes, sludges and ion-exchanger resins into geo-polymer matrices**
- ▶ **Manufacture of systems for solidification of liquid wastes and sludges into cement matrices**
- ▶ **Complex lines for separation and classification of materials**
- ▶ **Decommissioning and releases into the environment**
- ▶ **Reference**
  - **NRI Rez, Czech Republic**
  - **Novi Han, Bulgaria**
  - **Ignalina NPP, Lithuania**
  - **Kozloduj NPP, Bulgaria**
  - **Bohunice NPP, Slovakia**



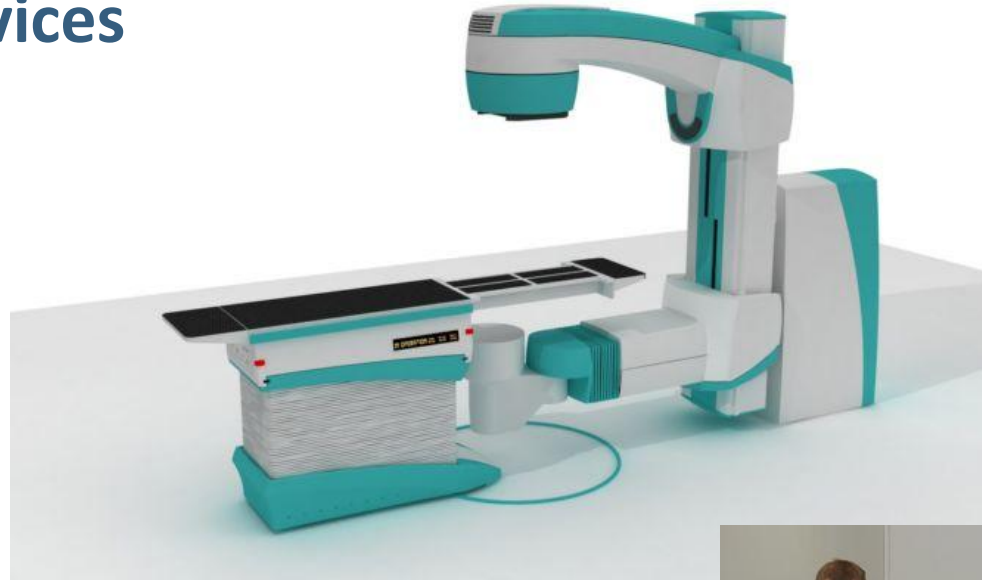


# Irradiators



## ▶ Radiotherapy Devices

- Slovakia
- Russian Federation
- Ukraine, Moldavia
- Kazakhstan, Armenia
- Georgia, Azerbaijan
- Mongolia
- Mexico, Cuba
- Sudan



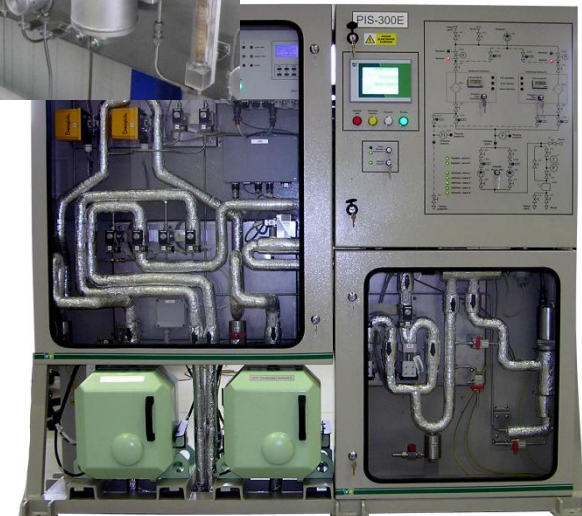
## ▶ Irradiators an Calibration Facilities

- Russian Federation
- Belarus, Azerbaijan
- India
- Poland, Slovakia



# Sampling Systems

- ▶ Manufacture and installation of sampling systems for on-line radiation and chemical measurements
- ▶ Manufacture and installation of post-accident sampling systems
- ▶ Reference
  - Mochovce NPP, Slovakia
  - Jaslovske Bohunice NPP, Slovakia
  - Dukovany NPP, Czech Republic
  - Temelin NPP, Czech Republic
  - Thermal Power plants and thermal heating stations in Czech and Slovak Republics



## References RF, CIS and Lithuania

- ▶ Personal dosimetry system, monitors for measurement of contamination of persons, system for measurement for internal contamination, Metsamor NPP, Armenia
  - ▶ Delivery of automatic dispensers of dosimeters and monitors of small objects contamination, Smolensk NPP
  - ▶ Delivery of radiotherapy Cobalt irradiators (Murmansk, Cheljabinsk, Norilsk, Lipeck, Kopejsk, Blagoveshchensk, Nizhnij Novgorod)
  - ▶ Particulates monitors and minor monitoring system, Rovno NPP
  - ▶ Spectrometric barrel monitors, Smolensk NPP
  - ▶ Europe AID - Design of modernisation measures of primary and secondary chemistry monitoring systems for Kalinin NPP
  - ▶ Calibration system incl. an irradiator, Moscow and Belarus
  - ▶ Free Release Measurement facility, Ignalina NPP, Lithuania
- 

## Thank you for your attention

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