



Centrum vyzkumu Rez Management of industrial suppliers

Development and Construction of the hot
cells at Jules Horowitz Reactor in
Cadarache

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Our main projects:

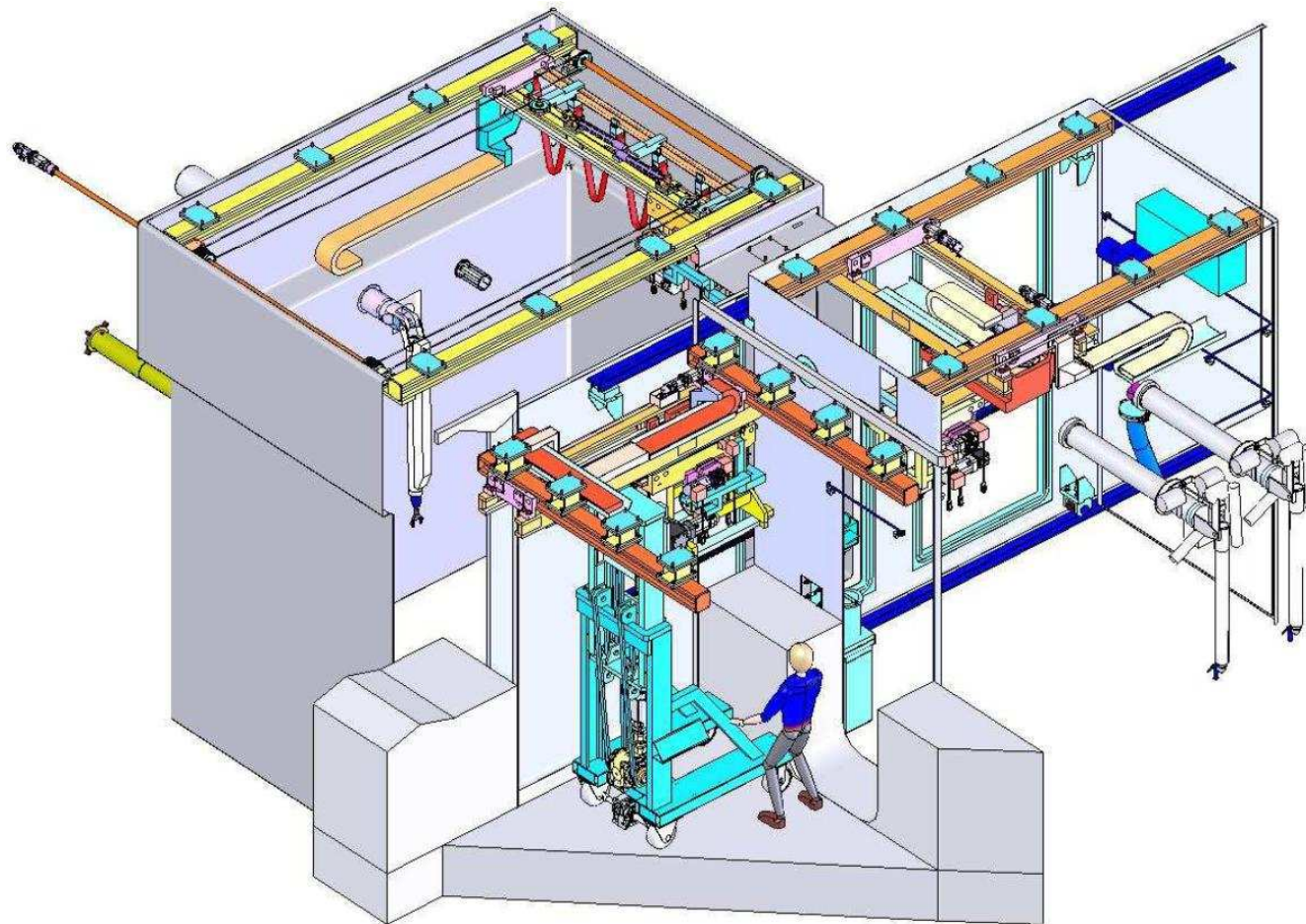
- Jules Horowitz Reactor
 - Supply of Hot cells which includes design, fabrication and mounting
 - In kind contract between NRI and CEA
 - Financing coming via Czech Ministry of Education
- SUSEN – regional R&D center ; one part is a new complex of 10 hot cells
- ESS – preliminary design of hot cells and handling casks
- Many other research projects linked to our reactor LVR 15



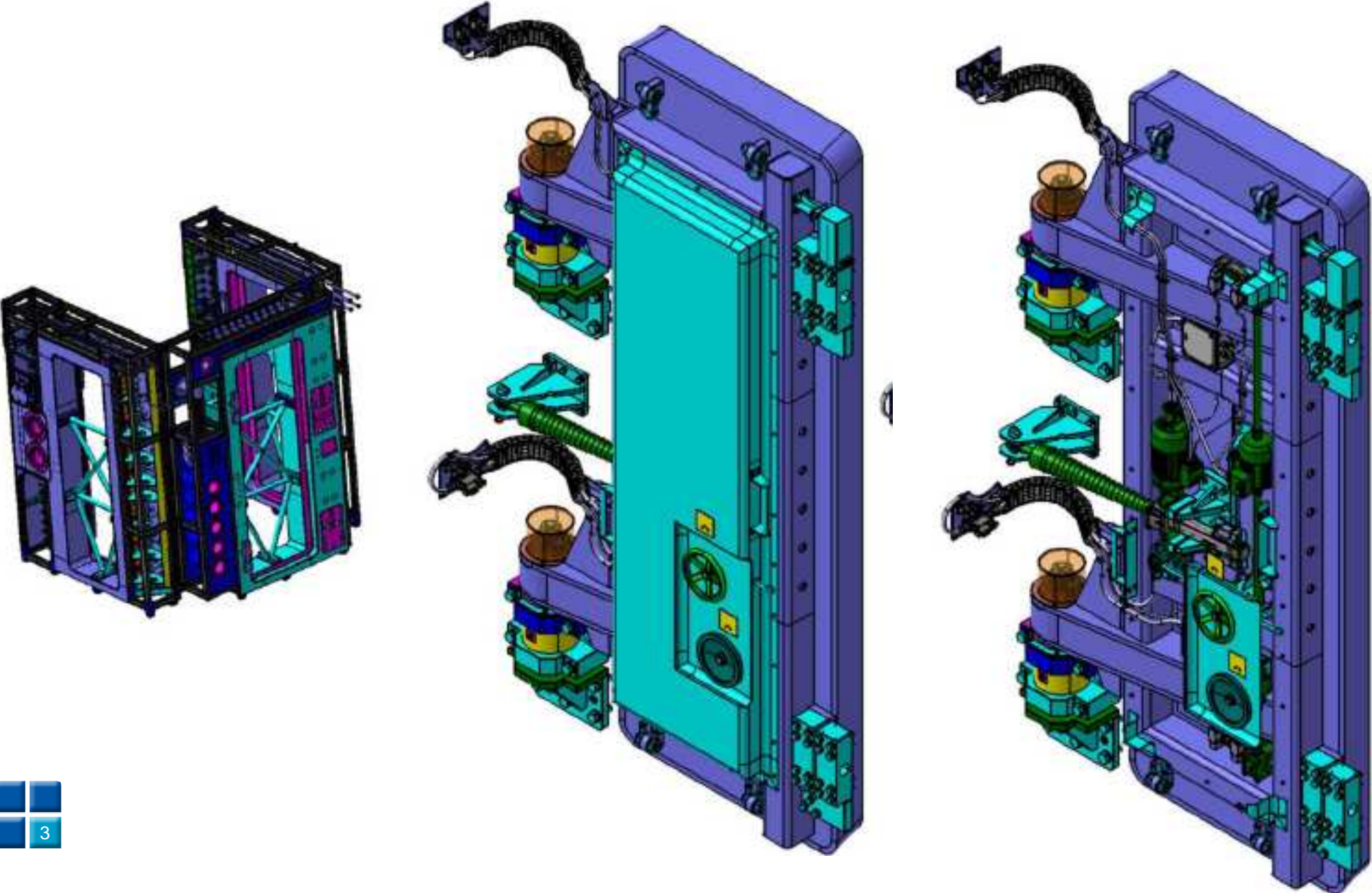
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All products manufactured by RCR for JHR hot cells are prototypes so every contract preparation and follow up has to have individual approach



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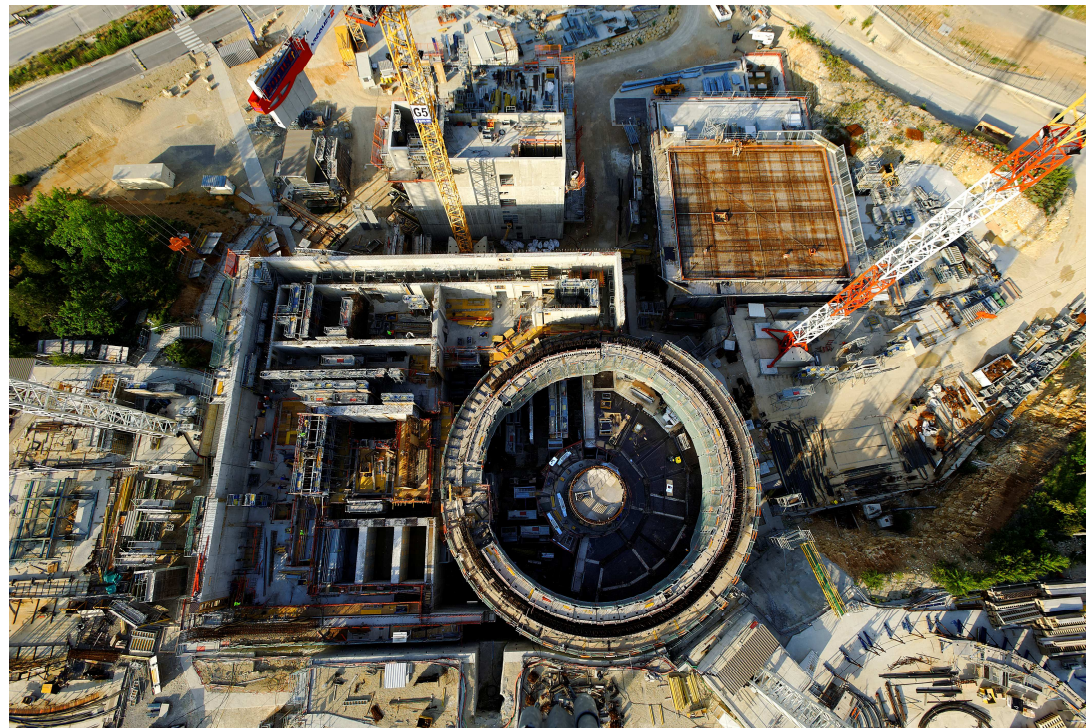


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Uniqueness of JHR hot cells

- 4 big cells, 3 small cells and two transfer hatches
- Cells are in the center on the nuclear annex building
- Requirements on seismicity for all products



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In order to get a product on time and in required quality:

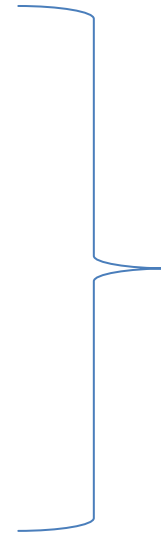
- Define the scope of supply
- Choose a supplier and make sure the supplier knows what he is to do
- Follow up the supplier





Defining the requirements

- **Technical specification**
- **Interfaces**
- **Quality requirements**
 - Standards
 - List of documentation



Subject of contract



Adjustment of model contract





Our Experience

- **Design**
 - Perform external examination
- **Technical specification**
 - Have someone who didn't design it to read it
- **Interfaces**
 - Detailed manufacturing drawings
- **Quality requirements**
 - Areva requests French fabrication standards
 - Provide suppliers as many templates as possible





Choose a good supplier and respect the Public Act (tendering procedure rules)

- Market Research
- Qualification criteria
- Evaluation criteria





Our experience

- **Market research and company size**
- **Qualification criteria**
 - Welding requirements – ask the supplier to provide examples of WPQR's
- **Delivery date**
 - Qualification criterion
 - Evaluation criterion





Make sure supplier knows

- **Tender Procedures according to Public Act (rules for tender procedures)**
 - Open procedure
 - Procedure with negotiation





Our experience

- In RCR we use negotiation procedures according to public Act as this allows us legally to negotiate with suppliers





Follow up of supplier

- Kick off meeting
- Coordinator at factory
 - Person with experience about the subject of contract
 - Regular presence at factory





Our experience

Have a team of people ready to give answers or search for answers quickly as majority of problems are „prototype“ just like the products themselves

