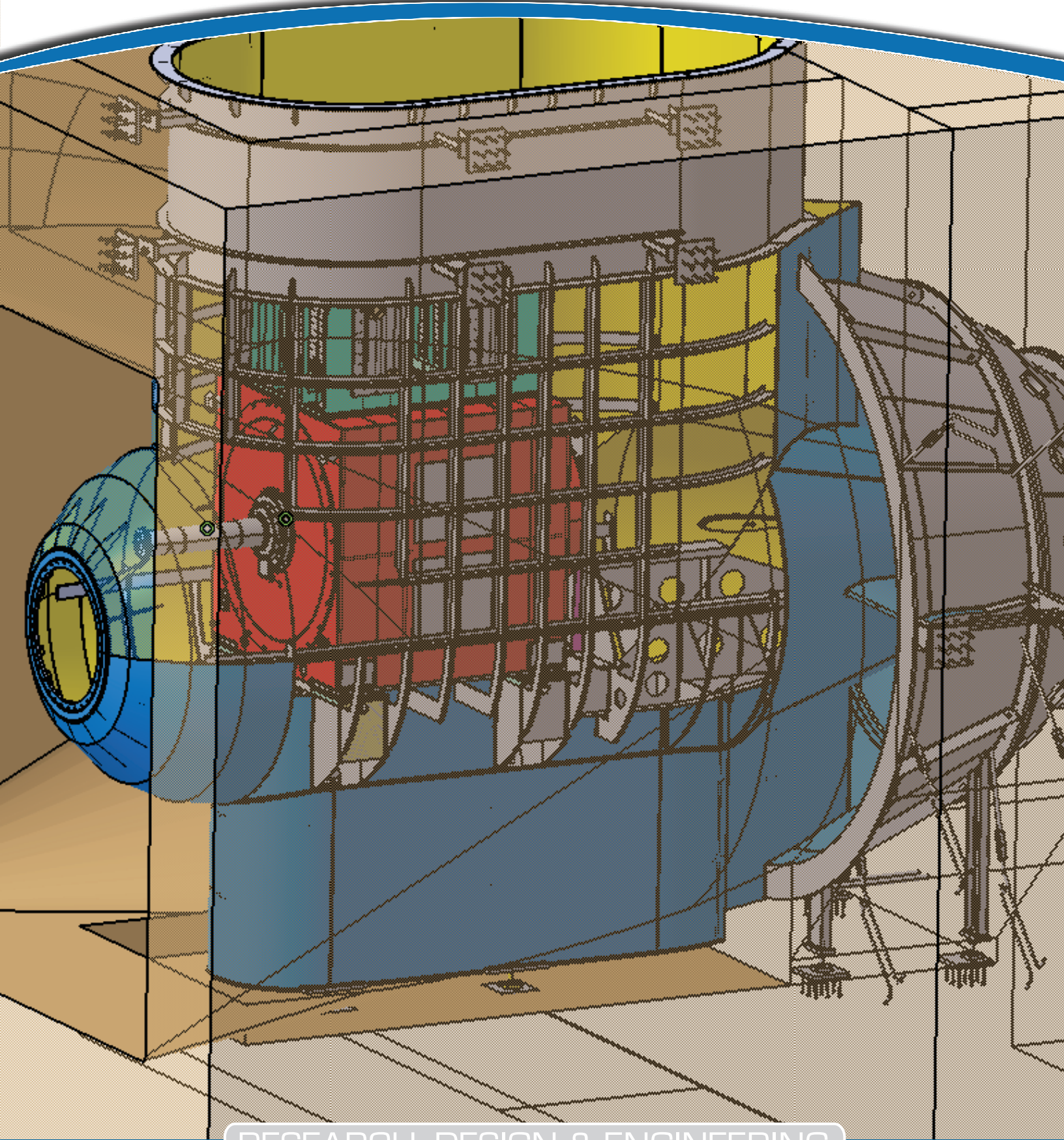


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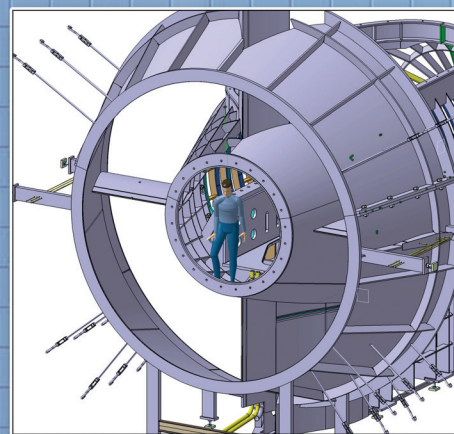
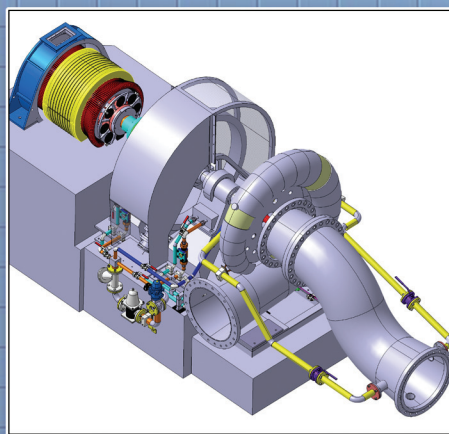
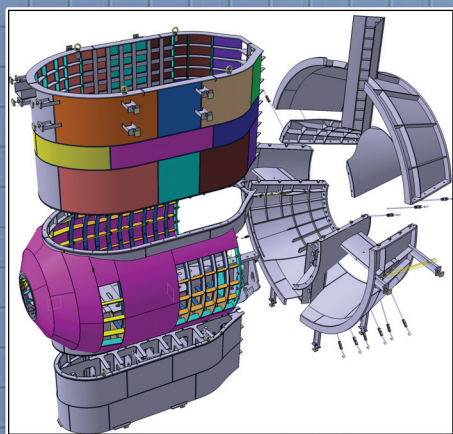
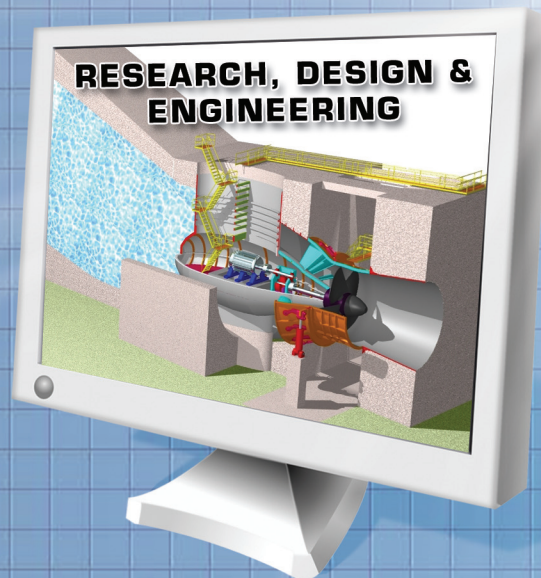
RESEARCH, DESIGN & ENGINEERING

UCM Resita is certified according to ISO 9001: 2008 & 14001: 2004

RESEARCH, DESIGN & ENGINEERING

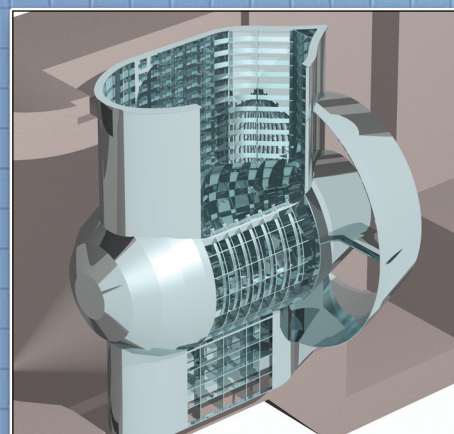
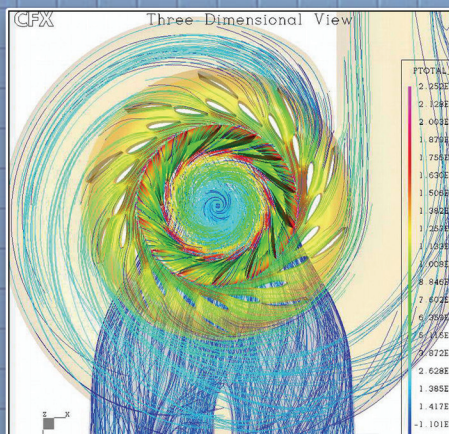
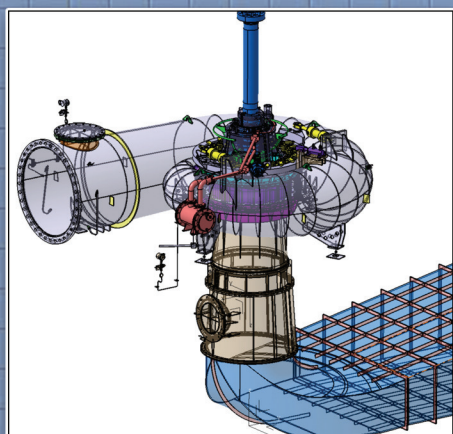
RESEARCH, DESIGN & ENGINEERING program of **Hydro Engineering** (**UCM Resita's** R&D division, operating as an independent company), covers all **UCM Resita** products, focused on turbines, generators and automation. All the machines are optimized to fulfill all the required parameters according to the existing standards/specifications for each hydro power project.

By using **Catia V5** and **SMARTEAM**, we better integrate data from multiple disciplines, including mechanical equipment, fluid and electrical systems, as well as testing, analysis and simulation in a single development environment. With these solutions, **Hydro Engineering** is able to collaborate more effectively with its partners and expedite the resolution of problems that can occur during the project development stage.

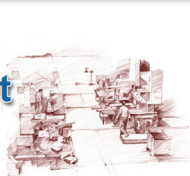


SMARTEAM stores all the information around a product generated during its entire lifecycle. The information can be project information, documents, bill of materials, supplier materials etc. **SMARTEAM** features like versioning, status information and notifications allow us to quickly access the correct version and know which actions are to be performed and when. All the information is linked using CAD, General links or hierarchical links.

Catia V5 is a robust application that enables us to create rich and complex designs, enables reuse of product design knowledge and accelerate development cycles, facilitates collaborative engineering across mechanical design, equipment and systems engineering, digital mock-up, machining, analysis, and simulation.



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