

Chernobyl

This project aims at the development and construction of a new confinement structure in the form of an arch that will cover the actual sarcophagus.

The arc-shaped confinement is made of about 25,000 tons of metal structure. It is 108 meters high and 162 meters long and 257 meters wide, this arch is large enough to house the France stadium, the Statue of Liberty, or footprint of the Eiffel Tower. It has the height of a building of 30 floors.

Positioned on two concrete beams, the arch will be mounted to the west of the damaged reactor and will slide onto the existing shelter, built in 1986, shortly after the accident. The purpose of this new arch is:

- Contain radioactive material
- Protect the public and workers on site
- Protect the previous shelter from damage caused by severe weather conditions in the area.

It will be equipped with equipment and facilities to work on the dismantling of Unit 4, under conditions as safe and flexible as possible, keeping human intervention restricted to the minimum necessary.

The scope of Actemium's work in this project includes engineering, commissioning, supply of a Control System (SCADA and PLC), integration of sensors and subsystems as well as on-site technical support for the installation of the **Integrated Control System and the Radiation Monitoring System** of the arc.



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