

## ICEDA: HIGH-INTEGRITY HANDLING PROCESS

---

Handling, confinement and radiological protection of the facility

### High-integrity process for transferring packages from the receiving area to the storage cells

Construction of the ICEDA activated waste conditioning and storage facility at the Bugey NPP – a temporary storage facility acting as an interface between waste production sites (EDF's nuclear power plants) and ANDRA's final disposal facility – is a prerequisite for the effective decommissioning of nuclear power plants.

It will allow the reception, conditioning and storage of all this [waste](#) for a projected period of 50 years. One priority in the project input data was the radiological protection of operators during operation, which is why the facility has been automated.

**As part of a consortium, Cegelec CEM was in charge of the high-integrity process for transferring packages from the receiving area to the storage cells, as well as radiological protection and facility confinement:**

- ✓ **Design, manufacture and qualification testing of handling equipment:**
  - ✓ 8- to 135-tonne overhead travelling cranes with package gripper systems
  - ✓ 130-tonne dolly, 40-tonne trolley and roller conveyors
- ✓ **Leak tight [shielded doors](#) and hatches** for the containment, weighing 25 to 300 tonnes.
- ✓ **Electrical, instrumentation and control, and automatic control systems** for the whole handling process: design and construction of unique automated electromechanical systems with high reliability (<10<sup>-3</sup>) for operation in a highly radioactive areas (> 0.5 Gy/h)

**The transfer and confinement equipment contribute to the waste conditioning and storage process.**

### Process automation at ICEDA

As nuclear safety is a priority at ICEDA, **the whole process is controlled remotely** and via protective screens for the storage and transfer areas.

**Cegelec CEM therefore automated all the equipment** to make it fully operational from the control room **without any need for human intervention.**



[Voir toutes nos références](#)

[Legal notice](#)

[Cookies](#)

[Les sites du Groupe](#)



[Configurer les cookies](#)