

HANDLING SYSTEMS

Cegelec CEM offers custom turnkey handling and lifting solutions, from the engineering stage through to industrial commissioning.



In the Cegelec CEM DNA since its foundation, high-integrity handling has been central to our growth and is an area in which we have recognised experience.



Cegelec CEM has performed upgrades for regulatory compliance and/or reinforcement on more than 200 cranes rated at 5–150 tonnes, both open and closed chain, demonstrating its **capacity to adapt to regulatory requirements and the industrial needs of its customers.**

This **high level of expertise** enables us to produce a wide range of equipment in all **fields of specialised and high-integrity handling:**

- ✓ **High-integrity cranes**
- ✓ **Nuclear cranes** for working in controlled areas (hot cells, fuel building, etc.)
- ✓ **Handling devices** for spent fuel, transport casks and **waste packages**
- ✓ Open or closed **kinematic chains**
- ✓ All handling equipment: **trolleys, dollies, gripper systems, handling casks, transfer tables, lifting or rotary tables**, etc.
- ✓ Specific tools and accessories: **gripper hooks, swivel hooks, grippers, lifting beams, kinematic chain monitoring systems**, etc.

[Download the brochure](#)

Our capacities in handling engineering

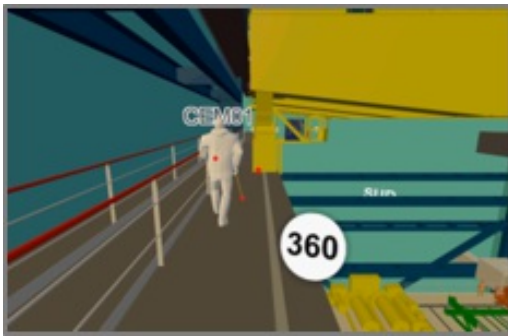
In [our engineering teams](#), we have around 100 specialist engineers and experts in:

- ✓ Mechanics and electromechanics
- ✓ Electrical, instrumentation and control systems
- ✓ Mechanical calculations (static, dynamic, linear and non-linear, failure modes), as well as deformation, thermal and safety calculations

From virtual reality to digital twins:

Cegelec CEM has developed a relevant and **innovative software solution** incorporating [virtual reality](#), which is used by design, methods, operating and safety teams.

Our operating capacities



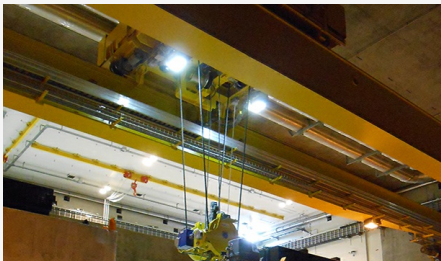
Our internal deployment capacities, combined with those of the VINCI Energies Nuclear Division, total more than 1000 [operators](#) qualified for work involving ionising radiation, 450 site electricians and 250 mechanics.

Safety is integrated ahead of work:

Cegelec CEM's **collaborative platform** enables everyone involved in a project to meet in a **virtual model**, regardless of their geographical location, enabling them to **discuss and adjust elements simultaneously**.

We **prepare our operating teams using virtual reality**, which is used to **raise awareness** and **train** them prior to on-site operations to limit the radiation exposure of operators during sensitive handling operations.

SOME EXAMPLES OF OUR PROJECTS

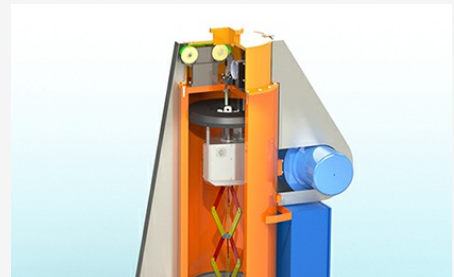


EDF – High-integrity handling and conveyor system for ICEDA facility



EDF DCN – Handling of MX8 casks

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ONDRAF 5/22 project: High-integrity handling equipment

