

# CASE STUDY severe service

## Spent nuclear fuel storage application requires CCI's reliable high-density fuel storage solution in France

**IMI company** CCI

**Customer** Electricité de France (EDF), France

**Requirement** The continued safe and reliable operation of nuclear power plants will require more spent nuclear fuel storage capacity. High-density spent fuel racks create additional storage capacity at nuclear power plants already in operation by maximizing the utilization of existing storage pools in the fuel building. Rigorous standards of safety and reliability at nuclear power plants require demanding engineering of components such as high-density fuel racks.

Increasing the storage capacity for spent nuclear fuel at operating nuclear power plants is one element which will help to prolong the life of the nuclear power plant by offering a solution to increased spent fuel inventory.

**Solution** CCI's advanced fuel rack design will allow each plant site to safely store roughly twice as much spent fuel in their storage pools. Important customer considerations include working with suppliers who provide proven, reliable technology and have demonstrated success in working with nuclear industry regulators as well as understanding nuclear codes and standards. With CCI's superior technical design and engineering expertise, combined with efficient installation provided by the consortium partner, Comex Nuclear located in Marseille, France, EDF was pleased with the solution.

