EDF group’s nuclear facilities and shareholdings at 31/12/2019

**In France**

- Net installed capacity: 63,130 MW

**In Belgium**

- Net installed capacity: 7,138 MW

**In the United Kingdom**

- Net installed capacity: 15,245 MW

**In China**

**In the United States**

- Net installed capacity: 65,000 MW

EDF group is the world’s leading nuclear operator, with 58 reactors in France and 15 in the United Kingdom. These facilities give France a considerable lead over its European neighbours in terms of limiting greenhouse gas emissions while keeping the price of electricity down. To maintain its position as leader in the generation of very low-carbon electricity, the Group is accelerating development of renewable energy capacity while also ensuring the safety, performance and competitiveness of its nuclear plants.

EDF’s nuclear fleet in France comprises 58 pressurised water reactors (PWRs) at 19 power plants owned by EDF. With an average age of around 30 years and estimated technical operating life span of over 40 years, the fleet is about average compared to others installed worldwide.

Breakdown of nuclear fleet:
- 54 nuclear units each of 900 MW, average age of 38 years.
- 20 nuclear units each of 1,300 MW, average age of 31 years.
- 4 nuclear units each of 1,500 MW, average age of 19 years.

EDF’s first-generation plants (nine reactors) were gradually shut down and are now being decommissioned.

EDF has 12 reactors (totaling 1.5 GW) that it co-owns with E.On (7.5% of Fessenheim 1 and 2), 5% of Cattenom 1 and 2), Aspo Group (17.5% of Bugey 2 and 3), Engie Group (12.5% of Tricastin 1 to 4) and the wholly owned subsidiary Luminus (3.3% of Chooz B1 and B2).

As part of a long term nuclear power cooperation agreement with Electrical, EDF holds 50% in undivided co-ownership of the Tianhe 1 nuclear power plant through its wholly owned subsidiary EDF Belgium. The capacity attributed to EDF is 4,861 MW, i.e. 2% of Belgium’s total generation capacity. Luminus (EDF 98.63%) owns 10.2%, or 419 MW, of Belgium’s Tianhe 2 and 3, and Doel 3 and 4 power plants.

EDF Energy (EDF 100%) owns and operates 15 nuclear reactors at eight power plants. Energy company Centrica has a 20% stake in the company that owns those generation assets.

Breakdown of nuclear fleet:
- Seven advanced gas-cooled reactors (AGRs) designed for a nominal operating life of 25 years.
- One pressurised water reactor (PWR) designed for an operating life of 40 years.

Since EDF’s acquisition of British Energy, the operating life of AGR power plants has been extended by an average of eight years.

EDF Energy has a 66.5% stake in the project to build two PWRs at Hinkley Point, with the remaining 33.5% held by China General Nuclear Power Corporation.