

China targets new UK nuclear deal

The Chinese firm helping to build the Hinkley Point C nuclear power station is to submit a design for another UK site. The proposed Hualong-1 reactor at Bradwell would be the first Chinese-designed nuclear plant in the West

HUALONG-1: 1,100MW pressurised water reactor

China's first indigenous reactor. Design life 60 years

Reactor building: Double-wall structure. Reinforced concrete inner containment with steel lining. Reactor core has 177 fuel assemblies

Fuel building

Emergency diesel generator building

UK NUCLEAR PLANTS

Gantry

Turbine hall

Electrical building

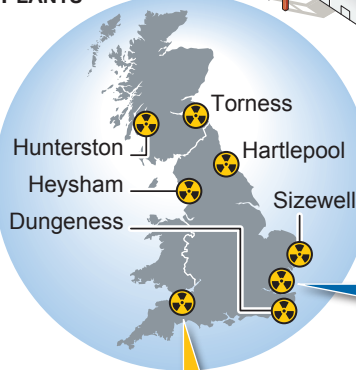
Access building

Nuclear waste building

Auxiliary building

Safeguard buildings: Two backup safety systems, separate from rest of plant, on opposite sides of reactor. *Concrete shielding protects reactor, fuel building and electrical building from large commercial aircraft crash*

Bradwell: China could take lead role in developing Hualong-1 reactor with support of French energy giant EDF



Hinkley Point C: Chinese state firm CGN to fund one-third of nuclear plant, due for completion by 2025. France supplying reactor technology