

## Terasaki Project Reference: Torness Nuclear Power Station

**Client:**  
EDF Energy

**Project:**  
Torness Power Station

**Location:**  
Near Dunbar, East Lothian, on the East coast  
of Scotland

Reactor Type: AGR  
Torness is capable of supplying over 2.5 million homes.  
Number of reactors: 2  
Start of generation: 25 May 1988

*“Just a note to express our appreciation of the efforts and flexibility shown by Terasaki in delivering this important project during our outage, the work to date and safety culture shown by your site teams has been first class.*

*We look forward to continuing this project with Terasaki in the coming years”*

-John Miller, EDF Projects Portfolio Manager

*“Agreed - an impressive start & please keep it up”*

-Robert Gunn, Plant Manager at Torness Power Station

Existing GEC M80 air circuit breakers (ACBs) at Torness power station have been in operation for over 20 years and now require replacing before the end of ACBs typical lifetime (25 years). Therefore EDF Energy has decided to replace all ACBs (over 80 pieces) on site.

Terasaki’s Direct Response Service Division have recently replaced twenty one GEC M80 ACBs with Terasaki nuclear retrofit ACBs, which have underwent electrical short circuit testing and are ASTA certified as well as seismically qualified.

These two new nuclear circuit breakers were developed especially for this project (AR 220S–NR and AR 332S–NR).



The Retrofit Operation at Torness

### Torness Retrofit Facts

- Before:  
21x M80 Air Circuit Breakers (ACBs)
- After:  
6x Terasaki AR 220S-NR & 15x AR 332S-NR



Torness Power Station

