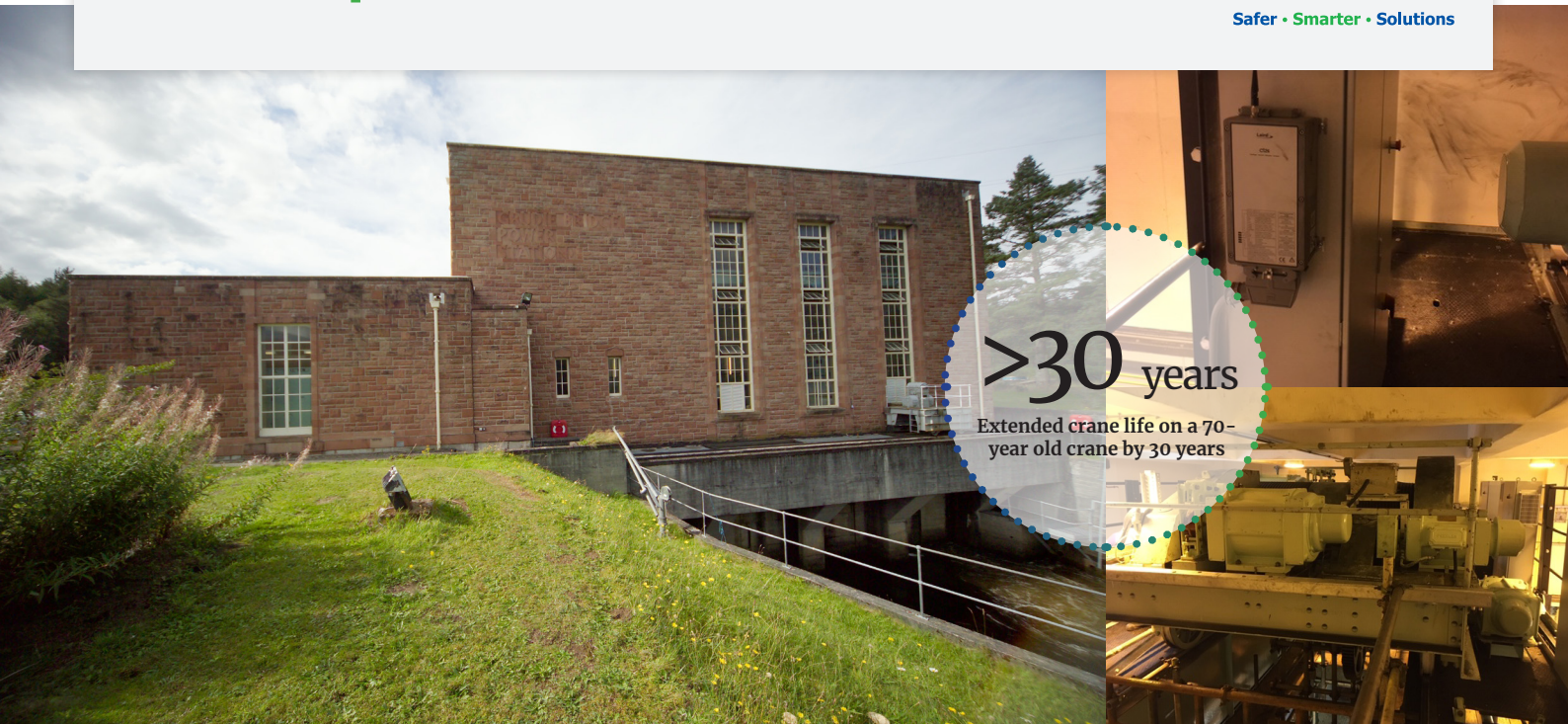


Grudie Bridge Power Station Crane repair and overhaul



The Grudie Bridge Power Station is located at Loch Luichart in the Scottish Highlands. The overhead crane currently in operation dates back to 1946 and was last subject to a maintenance overhaul and electrical upgrade in 1994.

Client: Scottish and Southern Energy (SSE)

Year: 2018

Product/Service:

Repair and overhaul of station overhead 50Te crane

Scope of work

Pre-works survey and structural inspections

Removal and installation of new ropes and hook blocks

Removal, refurbishment and installation of cross and long travel motors

Structural inspections

Installation of wireless remote control system to replace old pendant control

Commissioning, function and load testing of refurbished crane

Project Delivery

EnerMech developed a programme of work to upgrade the overhead crane in a way that minimised disruption to the ongoing live operation of the Grudie Bridge Power Station. This was effectively co-ordinated in parallel with the major generator upgrade work underway.

EnerMech's pre-works survey and inspection work revealed the need to upgrade a range of essential crane equipment to bring it in-line with latest performance and health and safety requirements. This was included in the EnerMech scope, all of which was delivered within the agreed timeframe.

SSE was exceptionally pleased with EnerMech's performance; the result being upgraded crane and lifting infrastructure, life extension of over 30 years and compliance with latest health and safety and performance requirements.

Key Benefits

Collaboration assured safe, reliable and efficient operations during critical generator changeout

Multi-skilled team team enabled rapid response to changed workscopes

Crane life extended by a further 30 years

Safety system upgraded to meet latest Health and Safety legislation