



# Sellafield Ltd

Sellafield Ltd is the company responsible for safely decommissioning the Sellafield site on behalf of the Nuclear Decommissioning Authority. Located in West Cumbria, Sellafield is the world's most complex nuclear facility and has been at the centre of Britain's civil nuclear history ever since its beginnings in the 1940s.

Synetica designed and supplied a large scale enLink LoRaWAN wireless metering system to the Sellafield site to give detailed half hourly energy data site wide. The Sellafield site is vast, but with the enLink long range wireless units, all areas of the site are comfortably in range, giving the on-site facilities team the detailed information required to operate the site at peak efficiency.

Synetica's enLink Modbus LoRaWAN Modbus Bridge converts wired Modbus devices such as energy meters and sensors to LoRa long range wireless. Any instrument, device or sensor with a wired Modbus RS485 interface can be read and converted to a LoRaWAN wireless device.



**CLIENT**  
Sellafield Ltd

**DELIVERABLES**  
Electricity Metering, Gas Consumption Monitoring, Water Metering

**AWARDS & MENTIONS**

- Largest Nuclear site in Europe
- World's first commercial nuclear power station
  - Over 2,200 buildings
- More than 6 square KM and with 13,000+ staff

Sellafield has 250 separate facilities crowded into just 1.5 square miles, making it the most densely populated nuclear site anywhere in the world. Our enLink long range LoRaWAN wireless metering is giving site personnel detailed insight into energy consumption across the site for the first time.