



## Keadby 2 – CCGT Power Station Scunthorpe



# Keadby 2 – CCGT Power Station



**CLIENT** Siemens  
**PROJECT** Keadby 2 - CCGT

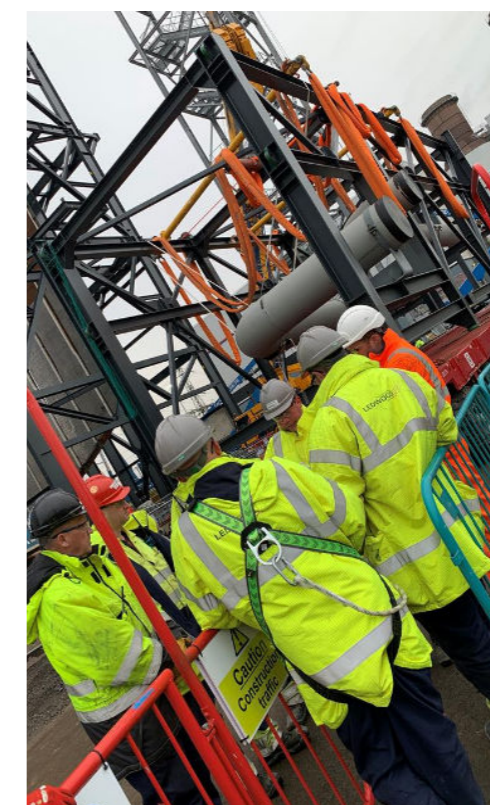
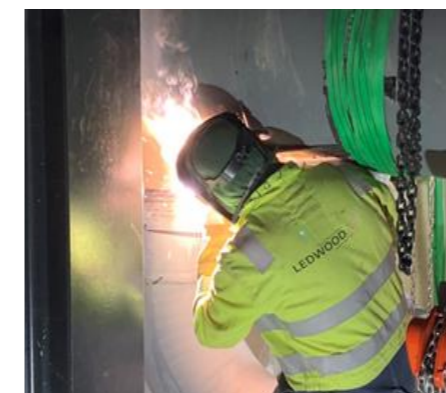
**VALUE** £20m  
**SCOPE** Balance of Plant

Under the main contractor Siemens, Ledwood Mechanical Engineering Ltd was awarded the mechanical balance of plant works for SSE’s new 840MW gas-fired power station project at Keadby, expected to become the cleanest and most-cost efficient gas-fired power station in Europe.

Scope included the installation of 26 pre-assembled modules, ranging from 10t to 70t; installation of 70t of structural steelwork; with a combination of carbon steel, stainless steel, low chrome, high chrome and GRP pipework installation. Ledwood has executed a number of technically challenging heavy lift operations for the pre-assembled modules.

All process pipework, and pipe runs from the existing Keadby 1 site to the gas turbine building and steam turbine building were installed and pressure tested by Ledwood. In excess of 17,000 dia. Inches were welded and 4,000 pipe spools with circa 6,000 pipe supports. Subcontract packages managed by Ledwood included scaffolding, heavy lifts, general crange, and heat treatment.

The works were completed successfully in 2021 even with heavy restrictions imposed by COVID-19. With nearly 300,000 clocked man-hours and a peak labour of over 120 personnel operating a predominantly night-shift work pattern to assist social distancing. The project continued smoothly with minimal disruption due to sickness and isolation throughout the pandemic period of Jan 2020 – Dec-2021.



*Opposite page  
Left: Off loading spools  
Right: SPMT – Installation of Cooling Water Modules (70t)*

*This page  
Above: Feedwater modules installation  
Far left: Welding condensate pipework  
Bottom left: Welding Steam pipework  
Left: Installation of Feed Water Module*