



# Cubis' Sustainable Access Chamber Solution Supports Kilroot Energy Park Net Zero Goals

**Client**  
EP UK Investments

**Location**  
Carrickfergus, NI

**Product**  
RapidSTACK™ with B125  
Composite Cover and Frame

**Sector**  
Energy

**Year**  
2022

**Contractors**  
GMC and partner  
contractor Rayden  
Engineering

Cubis Systems has been supporting energy giant EP UK investments, along with contractors GMC and Rayden Engineering with the construction of one of the most significant energy infrastructure assets in Northern Ireland.

Kilroot Energy Park is set to transition from coal fired generation to lower carbon, aiming to create a more sustainable future in the production of electricity for homes and businesses across the province.

Having received £600m of funding, owners EP UK Investments, have appointed Siemens as the main equipment supplier, who will provide flexible open cycle gas turbine generating units across three site locations (Marshalltown, AGI & Kilroot Energy Park), marking an important milestone in the decarbonisation of electricity within Northern Irish infrastructure.

Aiming to be operational by September 2023, construction has seen the installation of 3km of welded steel pipeline using an “open cut” method, where a trench is excavated, and the pipe is laid within it. Once the pipeline is installed, the trench is backfilled, and land reinstated as close to original condition. Works will be predominantly underground to minimise disruption to traffic and services.

To support delivery of gas fired generation to the site, Cubis' RapidSTACK™ modular access chamber system was selected as product of choice, offering a sustainable utilities network access point that is,

- Scalable to varying site conditions and depths
- Lightweight, suitable for single person lift
- Flexible during installations, with easily drilled sidewalls for duct entries
- Fast, Easy Install
- Flat Pack delivery optional reducing the number of deliveries and storage space needed

Cubis' RapidSTACK™ solution provided a resilient chamber system, complete with a B125 composite cover and frame, along with pre-drilled duct entry knock outs and removable central beam. The complete system offered a modern alternative to traditional pre-cast concrete chambers, saving vast amounts of time through ease of installation, duct entry points and safe lifting, reducing costs for the contractor.

“As a business we are proud to be supporting this project and aiding the delivery of reduced CO<sup>2</sup> emissions...”



“  
**Cubis’  
Sustainable  
Network Access  
Solution offered  
an alternative  
solution...**  
”

The complete system offered a modern alternative to traditional pre-cast concrete chambers, saving time and reduced costs for the contractor.

On completion, the site will become a centre of excellence with a purpose-built education and learning centre. The public will be able to visit and learn about the importance of renewable energy, and how the site strives to produce electricity in the most sustainable and environmentally friendly manner as possible.

