

- LiDAR Equipment
  - ZX ground mounted vertical profiler up to 300 m
  - Episiline turbine nacelle mounted for rotor inflow assessment
  - Long range (km scale) side scanning LiDAR (in procurement)
- Vestas V52 850kW wind turbine
- WAsP and WindSim resource software
- 34m met mast and 13m tilt up tower
- 3 x 13m telescopic masts
- 2x 34m guyed NRG masts
- 400W and 700W test wind turbines
- Gill Instruments and NRG Anemometers
- Kipp and Zonen pyranometer
- 30kW and 15kW 3 phase induction motor
- Circutor 3 phase electricity meters
- 37 kW variable speed drive
- Fluke thermal imaging camera and Fluke energy analyser
- Dataloggers (Eltek, Grant and Nomad)
- ZBB Energy 50kWh flow battery
- 30kWh BYD Li battery
- Efoy Comfort 210 methanol fuel cell
- Bell flow control ultrasonic flow meters
- 18 m x 0.35m x 1 m Wave tank with range of wave probes and transducers
- Concrete strength testing lab equipment and curing ovens
- Material properties testing lab (including hardness, tensile, compression & fatigue testing equipment)
- HASS/HALT Test Chamber (in procurement)
- Hukseflux heat flux measurement kit
- Structural testing lab
- Matlab software
- Armfield W8 trial anaerobic digester
- Bioprocess control biomethane potential tester, 6 no. 1 litre digesters
- Armfield W8 expanded bed anaerobic digester 2 no. 5 litre digesters
- Carbolite Tube Furnace
- Supercritical CO<sub>2</sub> extraction and processing rig
- Scion GCMS – Gas Chromatography Mass Spectrometer
- Flue gas analyser
- Solar Thermal Flat Plate Collector
- Solar Thermal Evacuate Tube Collector
- 2 x 250 litre buffer tanks

## **CREDIT Technology Gateway Equipment List**

- 6kW Air Source Heat Pump
- Mobile Waste Heat Recovery Unit (in procurement)
- TA Instruments Rheometer
- Leapfrog 3D Printer range
- Consumer grade FDM 3D printers
- Ultimaker 3D Printer
- SLA Resin Based Form 3 Printer