



Isle Of Anglesey Decarbonisation of Llangefni Council Head Offices

**2No ASHP & 2
No WSHP**

**1No Packaged
Plantroom**

**300m Underground
Heating Mains**

**Trenching and installation
of electrical cabling from
nearby sub station**

**Conversion of existing
car park area to new
plant compound**

**Perimeter fencing
and Armco parking
barriers**

The Project:

After declaring a climate emergency in September 2020, Isle of Anglesey County Council committed to reducing energy consumption and CO2 emissions across its properties, with a goal of becoming carbon neutral.

The decarbonisation of Llangefni Council offices is a cornerstone of the Council's mission to reach net zero by 2030 and will provide 100% of the heating and hot water demand for the entire building.





In collaboration with Asset Plus, we have contributed to reducing the carbon footprint of Llangefni Council's head offices, supporting their commitment to a more sustainable future.

The project scope included the installation of two Air Source Heat Pumps (ASHP), two Water Source Heat Pumps (WSHP) to provide low-carbon heating for the building.

As part of the project scope, Ebtech also installed 300 meters of underground heating mains to connect the newly constructed plant compound to the existing heating infrastructure.

One of the primary challenges encountered during the project was the location of the external plant room. Converting the car park into a plant compound required planning and close collaboration with stakeholders to ensure the redesign met both functional and aesthetic requirements. Throughout the construction process, the car park remained operational, with careful scheduling and phased work ensuring minimal disruption to users. Temporary access routes and signage were put in place to maintain safety and convenience for all stakeholders.

