

21st Century Data centre for Anglesey

A new data centre for the Isle of Anglesey County Council at Llangefni has saved the local taxpayers a significant amount of money by renovating an existing room rather than building a brand new facility. In addition running costs have been slashed, and the carbon footprint of the building reduced by using a state of the art free-air cooling system. Anglesey County Council now has a far more efficient and reliable information and communications technology (ICT) set-up in which to serve the people of Anglesey.

Since 2007 the ICT staff at Anglesey have realised that the old computer room in the Council offices at Llangefni could no longer cope with the rising IT demands of the Council. The old computer room was running out of space, lacked any kind of back up power (so making it very vulnerable to power cuts) and used old and inefficient air conditioning to try and keep the IT equipment cool.

At one point the Council's ICT staff considered a new data centre in a dedicated building nearby but that could have cost in excess of a million pounds to build and equip. The Anglesey team, led by Barry Eaton, realised that the same outcome could be achieved by a sophisticated renovation and enlargement programme of the existing area for a substantially lower cost.

The Council appointed data centre specialist design engineers Capitoline LLP, based in Cheshire, to review the Council's requirement and design a modern, reliable and efficient computer room operation.



The old 45 m² computer room

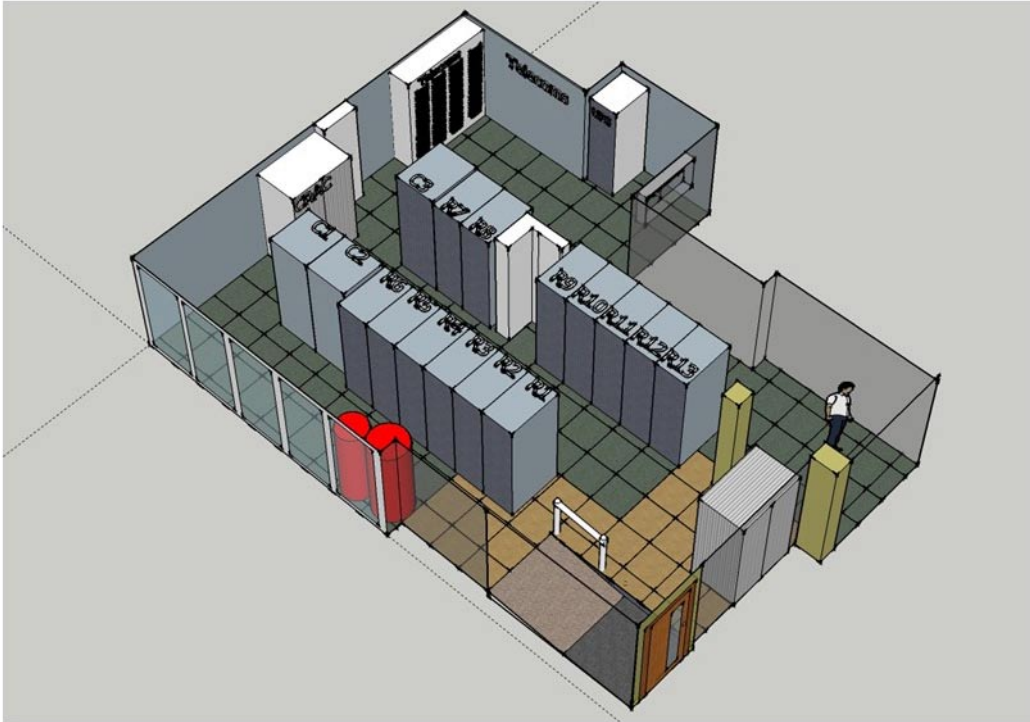


Strip out and rebuild phase and taking the floor space up to 60 m²



The high level extract and intakes for the air economiser and it's BMS controls being fitted.





Capitoline's 3D model of the new Data Centre



The finished article