



EDC Grange Castle

Phase 1 & 2

Dublin 24,

January 2017

WINTHROP
ENGINEERING EXCELLENCE

PROJECT

Winthrop Engineering Dublin appointed Tech Refrigeration and Air Conditioning as their Refrigeration Service Partner for this project in Grange Castle Dublin, with construction having commenced in October 2016. The 18MW Site consisted of 65 no. Air Cooled Condensers positioned on the Roof of Data Halls No. ~2 and ~4.

The internal installation consisted of 130 no. CRAC Units providing cooling for a large private American client. The overall project was being delivered over 2 Phases, with Phase I completed by June 2017 and Phase II completed by September 2017.



APPLICATION

Ireland has established itself as the 'data capital of Europe' and going by industry reports, it's hard to disagree. The Taoiseach, Leo Varadkar, is pushing for Ireland to become the data centre capital of the world, and to continue the trend of large tech companies building data storage facilities here. He also recently announced plans to amend the Strategic Infrastructure Act to "enable the planning process to work more smoothly". This new legislation is required for the fast-tracking of planning permission for data centres.

There are several key reasons why Ireland is seen as a good location in which to establish vast warehouses full of servers. The cold weather that many of us complain about on a regular basis reduces running costs for heat-generating computers, its connectivity to the US via transatlantic data cables, and a favourable data-protection regime for tech multinationals. Additionally, you'll find most Irish data centres clustered along the M50 motorway, which mirrors the route of the T50 fibre trunking system running from north to west Dublin.

Apart from EDC Grange Castle, we have also recently completed other Data Centre projects for Dataplex, Facebook and Interxion.



REVIEW

"Tech RAC delivered a first-class installation within budget and program. Their engineering expertise was invaluable to the successful handover of the project."

- Winthrop Engineering -

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