



**E-TEC New Corporate Headquarters, NW
Business Park
Ballycoolen, Dublin**



Customer

E-TEC Power Management

Construction Period

April 2019 – June 2020

Design Team

Caulfield Wright
Architects Ltd., Unit 3 The
Seapoint Building, 44/45
Clontarf Road,
Dublin D03

Structural Engineers

Loscher Moran Engineers,
Providence House,
Blanchardstown
Corporate Park
Dublin 15

Quantity Surveyors

Murtagh Surveyors Ltd.,
Cockle Road,
Tullyesker,
Co. Louth
A92 NY58

Description

This project involves the construction of a new two-story, purpose built 1700m², corporate headquarters for E-TEC Power Management using Smart Building Solutions in order to maximise energy efficiency. The completed building will provide a high tech hub which will incorporate new training and demonstration facilities. The scope includes ultra-modern and flexible Office & Laboratory fit-out. The new building encompasses a corporate boardroom, cellular & open plan offices, laboratory & welfare facilities together with extensive storage for end product.

In order to create a distinct sustainable & modern identity, Caulfield Wright Architects, in conjunction with Loscher Moran Engineers, designed a building incorporating many bespoke architectural features & natural finishes. The structure includes; exposed pre-cast concrete columns supporting Glulam timber structural beams. The building has an insitu concrete shear wall acting as its central structural spine. The external facades include high performance curtain walling together with cement board on rail cladding system. Internally, the Glulam beams are exposed in a dynamic grid supporting an exposed cross laminate timber (CLT) roof. The design intent of incorporating Glulam beams and the CLT roof, due to their low thermal mass, helps deliver a greener & most sustainable building, thus reducing heating bills by absorbing little space heating energy

Key Features

- High quality bespoke architectural features
- Exposed natural finishes, including concrete walls and columns
- Large quantity of Solar Photovoltaic (PV) panels
- Glulam beams & CNC fabricated CLT roof
- Construction of a highly sustainable building