



Building Energy Systems
Mechanical Engineer
Building Physicist
Renewable Energy Expert
Electrical Engineer
Energy Analyst
Climatologist

Building Energy Systems

Cork Institute of Technology
School of Mechanical, Electrical & Process Engineering



Fergus Delaney
School of Mechanical, Electrical
and Process Engineering, CIT
T: +353 (0) 21 433 5426
E: fergus.delaney@cit.ie

WHAT WOULD YOU LIKE TO DO TODAY?

- Design a passive house
- Improve the Building Energy Rating of an existing dwelling
- Coordinate medical gasses, heating and ventilation for an operating theatre
- Test temperature and humidity controls for a museum to preserve rare artefacts
- Commission cooling systems for computer server rooms in an IT company
- Incorporate a Combined Heat & Power unit in a sports and leisure complex
- Tap into an underground aquifer with a heat pump to heat a school
- Reduce the carbon foot print of a pharmaceutical facility by retrofitting a biomass fuel system
- Project manage a multi-million euro mechanical & electrical services installation in a medical devices centre
- Implement an energy reduction programme for a hospital
- Use computer simulation software to forecast energy demands in a state of the art conference centre