

Low Carbon Energy Projects



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Nottingham

- MSc Projects – scope and timescale
- MSc students – skills and interests
- Example project

Broad-based MSc across
“Faculty of Engineering”

Project scope:

Design
Analysis
Modelling
Testing
Evaluation

Academic
supervisor

Industry mentor

**Sustainable Energy
Engineering MSc**

Electrical Engineering MSc

Power **Electronics** and **Drives**
MSc

Electrical Technology for
**Sustainable and Renewable Energy
Systems MSc**

Low Carbon Energy Projects



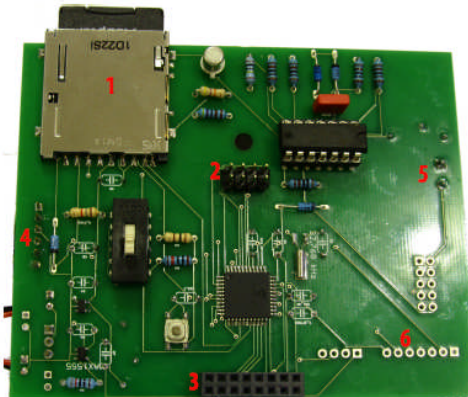
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What skills/opportunities can MSc students bring to Projects?

- Background work that is too time-consuming for employees
- Tasks that need research and/or external resources
- Analytical skills; willingness to learn; up-to-date knowledge of engineering techniques



Marco Antonio
Hoyos Santillan



+ Access to
expertise

+ Access to
facilities

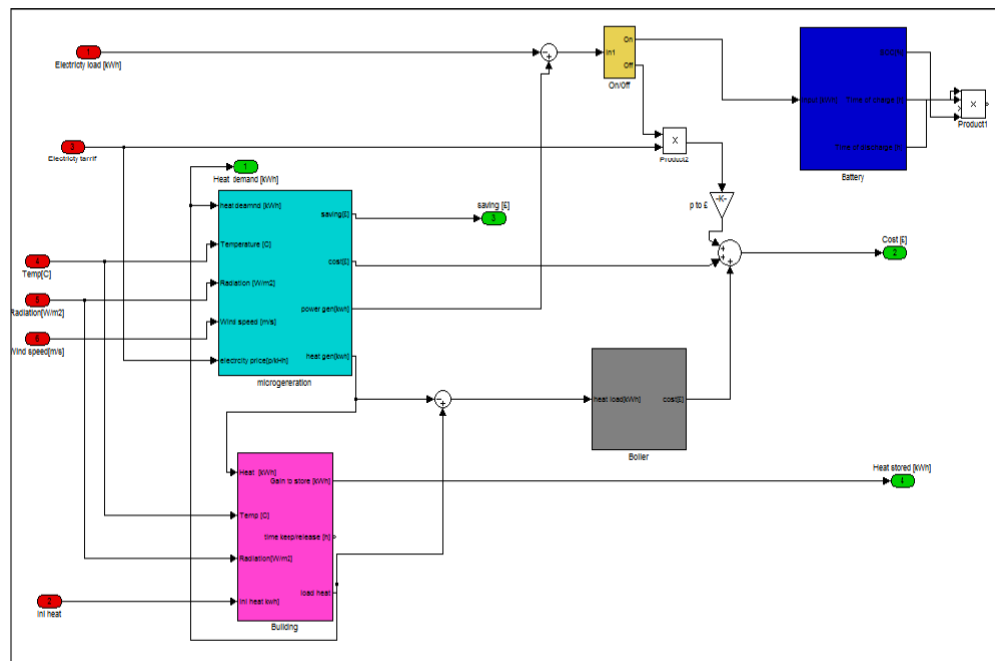
Example Energy Project



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Fairfield Controls – Omar Drissi – modelling smart grid controls

- Academic supervisor: Prof Mark Johnson, Electrical & Electronic Eng.



> Developed
MATLAB models
for control
simulation

> Employed by
the company
after graduation