

## Research and Innovation

The EPECentre is a world-class power industry research incubator that attracts academics and students from around the world

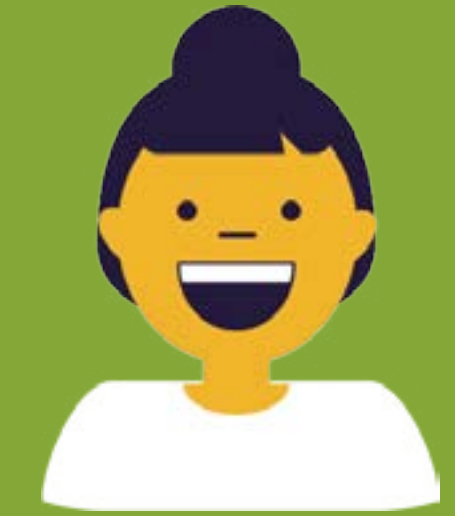
## Main research projects

### GREEN Grid

Gathering Renewable Energy in Electricity Networks or Renewable Energy and the Smart Grid

### Joule Log Heating

Ozone friendly alternative to methyl bromide fumigation



Up to 5 full-time researchers  
Up to 10 research associates  
Up to 8 postgraduate students

Other research in Power Quality and Electronics, Energy Modelling, Electric Motors and Machines, High Voltage, Electricity Markets, etc.

## Industry-Academia

We connect academia, industry and students, and deliver applied research to our industry members



**Over 30 industry partners**  
Through the Power Engineering Excellence Trust (PEET) and ongoing research projects

**Over 700 industry and research contacts**  
Both local and international



**3 recent technology transfers from GREEN Grid to the industry:**

- EEA – Guide for the connection of Small-Scale Inverter-Based DG
- DGHost™
- EECA energywise™ Solar Calculator

## Education: Outreach and Events

We educate power engineers who will ignite innovation and work with their communities to provide electricity in smart and sustainable ways

### Events and Scholarships

For UC Electric Power Engineering students



**Over 170 scholarships** awarded since 2003

**Over 100 students** annually meet our industry members at EPECentre events



**Over 300 students** visited our industry members' sites on power systems field trips over the last 5 years

**Sponsorships**  
UC Motorsport  
IEEE UC Student Branch

### Outreach Programme

For secondary school teachers and students

**Over 2500 students** visited Electrical & Computer Engineering labs over the last 5 years

**10 online videos** produced in alignment with the NCEA curriculum

**Over 100 physics teachers** attended workshops over the last 5 years

Thank you to our Power Engineering Excellence Trust members