

ENTRUST MICROGRID LLP

Entrust Microgrid is a newly formed Limited Liability Partnership for research, system design and product development, professional training and consulting services in smart grid/microgrid and renewable energy technologies. The organisation has a particular focus on smart microgrids with hybrid DC and AC networks for built environment with embedded renewable energy systems.

PROJECT

The project aims to develop a smart microgrid for the built environment, aiming to convert fluctuated and uncontrollable renewable energy sources to controllable power output. Also to reduce grid connection capacity and cost of embedded renewable power systems and maximise self-consumption of the renewable power generation. The developed system will reduce the costs of connecting renewables to the grid, delivering tangible benefits to the end-users and the public. The project will enable further large scale development of distributed renewable energy systems for communities and will contribute significantly to carbon dioxide (CO₂) emission reduction.



JIE MA

Jie graduated from Xi'an University of Technology in China with a BEng in Automation. She went on to gain an MSc degree in Advanced Control and System Engineering with the University of Manchester. Jie Ma also has a background of practical experience, working as an Electrical Engineer for Zhuzhou Smart Thermal Technology Co. Ltd.

Lead Academic Supervisor:
Dr Xiandong Ma

