

MANCHESTER
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The University of Manchester

Net Zero Energy Future

GLOBAL Challenges **MANCHESTER** Solutions

Ms Sherry Fu

Managing Director, China, The University of Manchester

Standing committee member of Shanghai Overseas Returned Scholars Association

Envoy to Manchester China Forum

Leading
the world on
sustainability
development

World Rankings

1st 2021 9th 2022



1st
UK university
to place social
responsibility as
a core goal



We produce
4%
of the UK's
research across
the 17 SDGs



Zero carbon campus
commitment by
2038



**Accredited
employer**
for Living Wage,
Race, Gender and
LGBTQ+ equality



**5 International
Centres**

Manchester, Dubai, Singapore,
Shanghai, Hong Kong

Energy



600+ academics
working on energy reserach

Biotechnology

Cancer

Global inequalities

Advanced materials

Nuclear Energy

- the UK's largest academic centre for nuclear R&D
- the £20m Dalton Cumbrian Facility for radiation science and nuclear engineering decommissioning research



Bioenergy

we seek to enable the large-scale production
and use of bioenergy in a sustainable manner

rice straw



energy source

algae



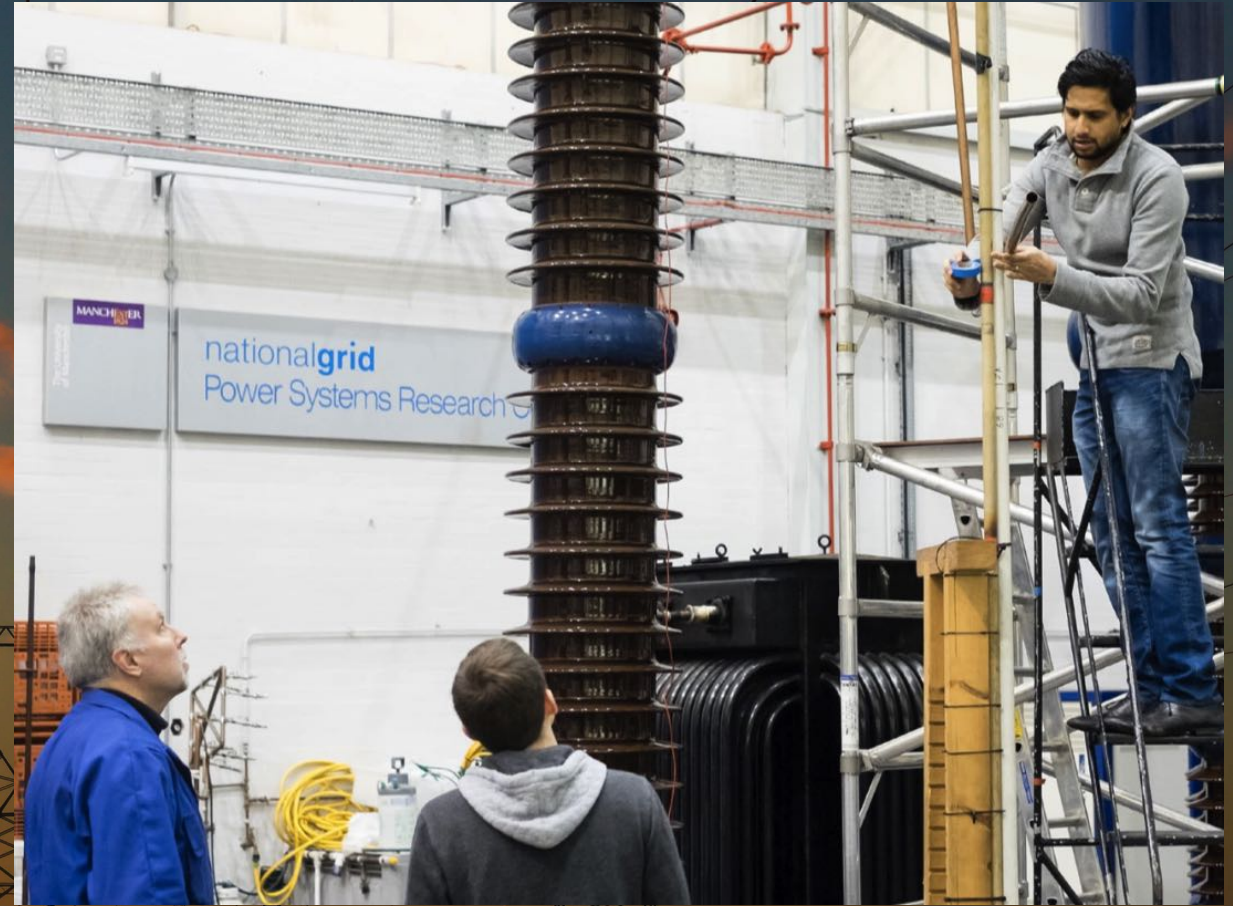
fuel

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Transmission & distribution

The **largest** high voltage
laboratory of any UK university



National Grid Power Systems Research Centre

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Energy Storage

The University of Manchester's

£60 million

Graphene Engineering and Innovation Centre (GEIC) will enable industry-led development in graphene applications in partnership with academics.



National Graphene Institute

100% of our electricity consumption is backed with REGO (Renewable Energy Guarantees of Origin) certification.



for every megawatt (1,000kWh) of electricity the University consumes, the equivalent volume of electricity is generated from renewable sources.

Energy Consumption



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*Global challenges,
Manchester solutions.*

