

Cambridge Nuclear Energy Centre (CNEC)

This multi-year partnership with the Cambridge Nuclear Energy Centre (CNEC) links Urenco with a globally respected University. As a member of its Nuclear Industry Club we will engage in non-competing collaboration with members, participate in speaker opportunities, input into the curriculum and suggest dissertation research topics.

We will engage with its nuclear energy research and education programme based on, but not limited to, its MPhil in Nuclear Energy. Additionally we'll be supporting leading academics who deliver the course, early-career researchers and have access to a talent pipeline of top nuclear graduates ready to enter the sector.

Workstreams: education and skills; net zero transition



“ From an educational perspective, we see great significance in linking with Urenco and believe partnerships are key in securing a healthy and inspired nuclear workforce. We recognise that students with a STEM background have many possible career paths to choose from, and find that visibility plays a big role here: visibility in purpose, activities, and culture of the future employer. Through our partnerships with industry we increase this visibility and facilitate a career path into nuclear. The University of Cambridge created a masters-level post graduate degree in nuclear energy with the objective of contributing to ‘educating the nuclear leaders of tomorrow’. To ensure the course delivers the needs of the nuclear sector, a Nuclear Industry Club was formed to facilitate collaboration between industrial member companies, committed to the development of the nuclear sector, and the CNEC. We look forward to developing our energising and impactful relationship.”

Eugene Shwageraus

Professor in Nuclear Energy Systems Engineering, Nuclear Energy MPhil Course Director, University of Cambridge



CNEC is a cross-department collaboration, coordinating research and teaching on nuclear energy. It aims to contribute to the increased use of nuclear technology as a source of clean energy.

CNEC spans:

- Engineering (computational reactor physics, advanced systems, and nuclear safety);
- Materials (fuel cycle & novel processing techniques);
- Earth Sciences (waste & fuel characterisation);
- Judge Business School (system dynamics, economics, & risk);
- Physics (sensors & medical physics).

www-energies-mphils.eng.cam.ac.uk

Sustainability Spotlight

This project aligns with the Urenco sustainability strategy, our corporate values and selected UN sustainable development goals.

Education & Skills:

- educate ‘nuclear leaders of tomorrow’
- contribute to CNEC nuclear energy research strategy
- collaboration opportunities to develop nuclear teaching and research
- input to the Nuclear Energy MPhil curriculum
- offer MPhil dissertation projects in topics relevant to Urenco
- participate in Distinguished Speakers seminars.
- access talent pipeline of graduates; potential future employees.

Environmental and transition to net zero:

- collaboration opportunities with members of CNEC Club
- advancement of carbon-free nuclear energy solutions
- support CNEC’s aim to contribute to the increased use of nuclear technology as a source of clean energy.

UN Sustainable Development Goals:



Urenco’s Social Impact Programme contributes to our commitment to sustainability. It includes partnerships with charities, educational establishments, environmental programmes and other schemes to maximise social impact and employee engagement. Each partnership must meet at least one of our sustainability priorities (across three workstreams: education & skills, environment & net zero transition, health & wellbeing) and relevant UN Sustainable Development Goals.