



UK Atomic
Energy
Authority

Tritium Training Course

GAIN WORLD-LEADING INSIGHT FROM UK ATOMIC ENERGY
AUTHORITY'S TRITIUM FUEL CYCLE DIVISION



UKAEA's world-leading Tritium Training Course is an ideal opportunity for anyone working with tritium systems or anything that comes into contact with tritium. Participants can learn from the expert team based at Culham Campus, Oxfordshire, UK.

This one-day, classroom-based course is applicable to:



INDUSTRY



ACADEMIA



START-UPS



SCIENTISTS



ENGINEERS



OPERATORS



GRADUATES



NEW STARTERS

COURSE MODULES

TRITIUM FUNDAMENTALS	<ul style="list-style-type: none">• Chemistry of Tritium• Uses• Safety and Basic Confinement• Challenges
THE TRITIUM FUEL CYCLE	<ul style="list-style-type: none">• Fuel Cycles• Sub-systems
TRITIUM PLANT KEY CONCEPTS	<ul style="list-style-type: none">• Material Selection• Pumping and Vacuum• Measuring and Monitoring• Tritium Accountancy• Confinement Philosophies• Installation and Maintenance• Decommissioning and Waste• Safety Cases• Standards and Regulation

The day at Culham also includes a tour of the Active Gas Handling System, UKAEA's tritium processing plant, which played a vital role in JET's record-breaking campaigns and is still managing the tritium being off-gassed by the tokamak.



TESTIMONIALS

Sarah Clark, Director, Tritium Fuel Cycle, UKAEA

“The Tritium Training Course is an important part of our work in the Division to develop tritium expertise, both internally and externally to UKAEA. We have extensive expertise, and it is important to make our knowledge available to our peers from across the fusion sector. It has been really pleasing to come into a Division where there is such a positive and proactive approach to providing outstanding professional development opportunities.”

Aya Shin, Chemistry and Corrosion R&D Technical Lead, EDF UK R&D Nuclear

“The one-day course with facility tour enhanced my understanding of fusion – basics, technical challenges, and plant system overview. Lots of interactions and the facility tour during the course helped my understanding, and the knowledge obtained during the training course has contributed to explore further areas of work!”

Wilf Harness, Senior Engineer, Frazer Nash Consultancy

“I want to express my appreciation for the outstanding course on tritium for fusion energy. The delivery was excellent, and the interactive nature of the course made the learning experience even more enriching. The chance to upskill in such an exciting area of engineering has been truly valuable. Thank you for organising this exceptional course!”

By attending this course you will be following representatives from:

- Atkins Realis
- Commonwealth Fusion Systems
- First Light Fusion
- Fusion for Energy
- Helion Energy
- US ITER
- University of Bristol
- University of Manchester
- University of Bath
- University of Sheffield
- University of Surrey
- University College, London
- Sapienza Università di Roma



The UK Atomic Energy Authority's mission is to lead the delivery of sustainable fusion energy and maximise scientific and economic benefit



UK Atomic
Energy
Authority

Find out more
www.gov.uk/ukaea

United Kingdom Atomic Energy
Authority
Culham Campus
Abingdon
Oxfordshire
OX14 3DB

t: +44 (0)1235 528822

For more information about future
courses

e: TritiumTrainingCourse@bd.ukaea.uk

To book online

w: ukaeaevents.com

Direct dial

t: 01235 464919

Follow @UKAEAofficial

