



Harnessing Fusion Energy for a Sustainable Future

The mission of the UK Atomic Energy Authority (UKAEA) is to lead the commercial development of fusion power and related technology and position the UK as a leader in sustainable fusion energy. UKAEA's aim is to try and harness fusion energy to produce a clean green energy production. However, there isn't enough time for using test-based design to work out what this power plant needs to look like. The Cambridge Open Zettascale Lab is a leading co-designed collaboration between Intel, Cambridge and the UKAEA, to develop and democratize the technologies required to build the world's fastest supercomputers. To provide the large step increase in computational power required to drive the simulations, UKAEA is looking at a number of key Intel technologies, including Intel® Data Center GPU Max Series, oneAPI, and Distributed Asynchronous Object Storage (DAOS).

Products and Solutions

[Intel® Data Center GPU Max Series](#)

[oneAPI](#)

[Distributed Asynchronous Object Storage \(DAOS\)](#)

Industry

Research Services

Organization Size

1,001-5,000

Country

United Kingdom

Learn more

[Video](#)

[White Paper](#)

"I firmly believe that the future of sustainable energy will rely upon supercomputing, so Intel, and its partners, and the University of Cambridge, are absolutely crucial to that journey. This is a journey that we have to take together."

Dr. Rob Akers, Head of Advanced Computing UK Atomic Energy Authority (UKAEA)