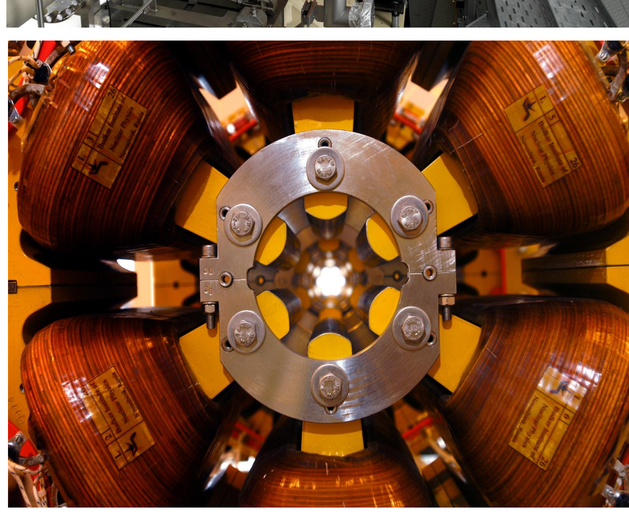
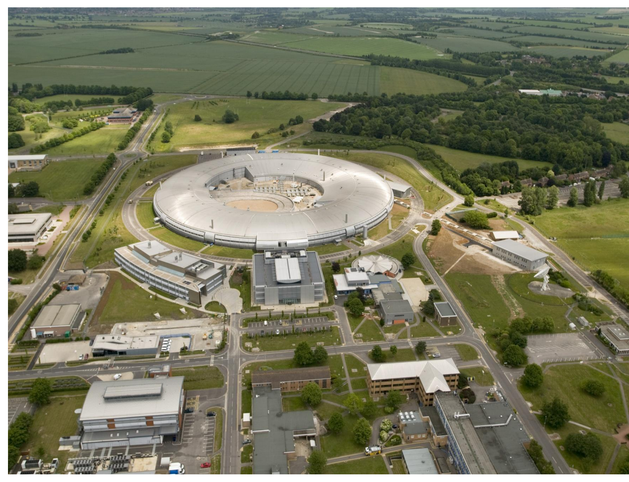
Diamond Light Source

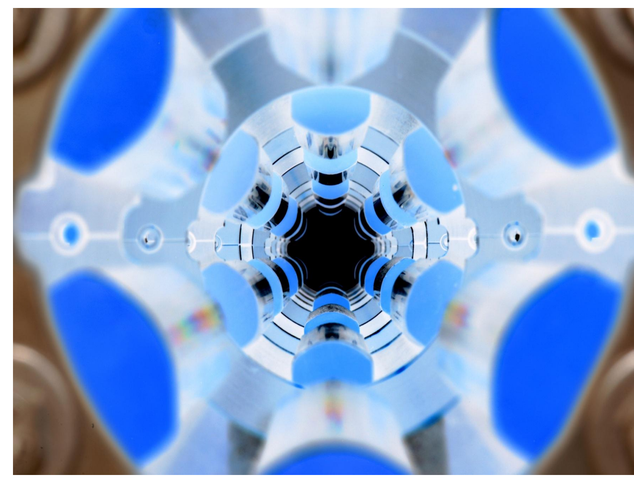
General information

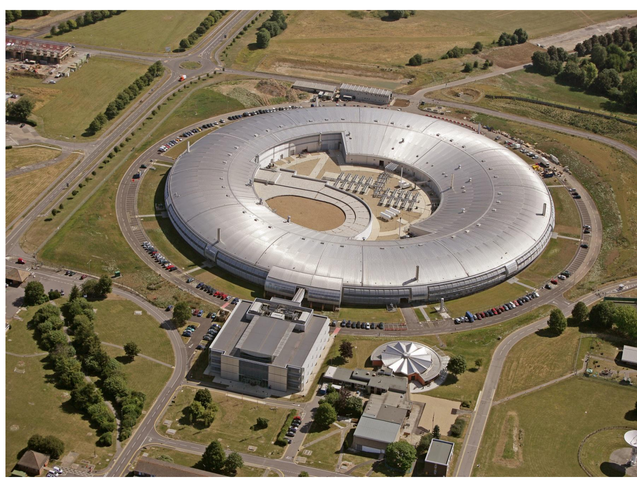
Diamond Light Source is the UK's national synchrotron facility, located at the Harwell Science and Innovation Campus in Oxfordshire. By accelerating electrons to near light-speed, Diamond generates brilliant beams from infra-red to X-rays which are used for academic and industry research.

Opened in 2007, Diamond is being developed in three phases. Phase I investment of £263 million included Diamond's buildings and the first seven experimental stations known as 'beamlines'. Phase II funding of £120 million enabled the construction of 15 more beamlines between 2007 and 2012. A total of 18 beamlines are now operational, with four more under construction. In October 2010, the government confirmed further funding for Phase III expansion, creating an additional 10 advanced beamlines between 2011 and 2017, which will bring the total to 32.









Facts and figures

- Diamond has over 5000 Scientific Users (from 280 academic institutions) and a further 5000 visitors to the site per year.
- Diamond celebrated its 10th Anniversary in 2012.
- Diamond's activities to date has led to over 2200 journal papers.
- The facitlity is staffed by around 450 persons
- Diamond's safety management system has achieved 5 star status from the British Safety Council's 5 Star Audit.

Five Star Health & Safety Management System Audit

★★★★★ Awarded 2012

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Safety hazards

Radiation
Biological agents
Construction
Hazardous chemicals
High power magnets
Over-head cranes
Laboratories
Remote operation machinery
Lasers
High voltage electricity
On-site events
Fork lift trucks