



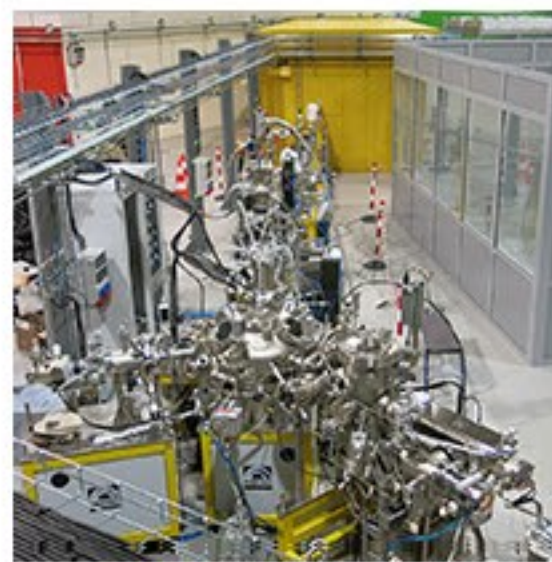
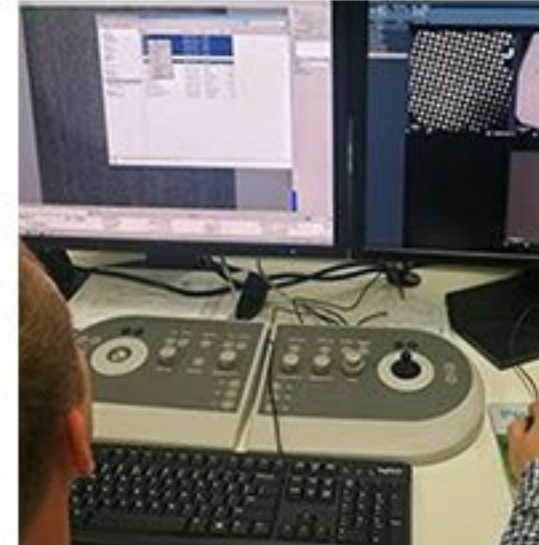
More beam time for users

From March 1, 2020, the SOLARIS Centre goes into a 24/6 operational mode (24 hours a day, 6 days a week). The beam will be delivered to beamlines from Tuesday to Saturday, between 9:00 a.m. to 8:00 p.m. and between 9:00 p.m. to 8:00 a.m. The maximum duration of the experiment will be extended twice (up to fifteen shifts), which corresponds to five days.

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Second electron cryomicroscope for SOLARIS

The SOLARIS Centre and the Malopolska Centre of Biotechnology will purchase a second cryo-electron microscope. The new equipment will be complementary to the Titan Krios G3i microscope. Moreover, it will be used not only for scientific research, but also for commercial ones. The microscope will be financed under the European Union Smart Growth Operational Programme.

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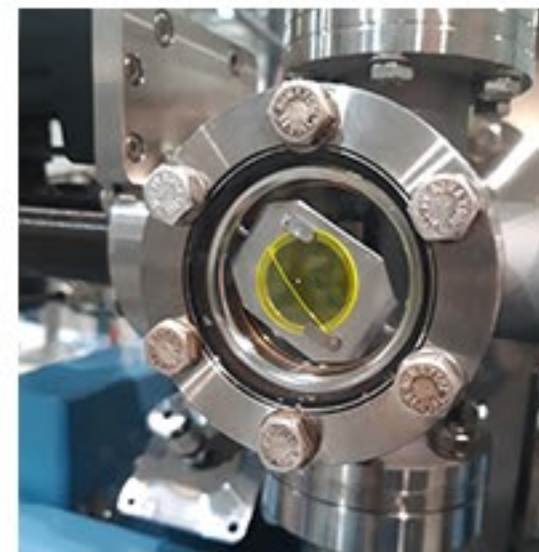
PHELIX beamline commissioning

In October 2019, the SOLARIS team observed first light on the PHELIX beamline. Since the first photon beam delivery, the calibration of all beamline components, including X-ray optics, has been being intensively performed. An electron energy analyzer and a spin detector will be delivered to SOLARIS in March 2020. It will allow first test measurements to be started. The first research are planned to be carried out by friendly users at the end of 2020.

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First light on XMCD beamline

On December 6, 2019, the first beam of photons was directed into to the beamline with the working name of XMCD. The light was taken out of the synchrotron through one of the branch of the beamline (from the mirror chamber in the hutch to exit slits). Behind the slits a scanning x-ray transmission microscope (STXM) will be installed in the first half of 2020.

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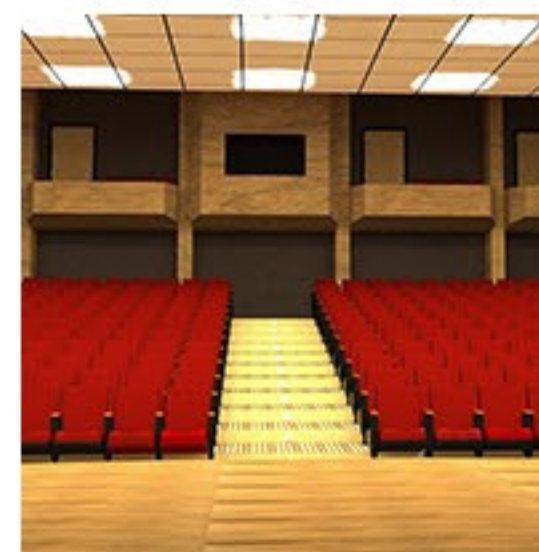
Construction begins on SOLABS (XAS-HN) beamline

In December 2019, the factory acceptance tests of the SOLABS (XAS-HN) beamline first devices was completed. The components were installed in the storage ring in the same month. The second part of the front end will be delivered to SOLARIS in March 2020 and installed during the next shutdown, scheduled for early May 2020.

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First SOLARIS users meeting

In September 2020, the first ever meeting of SOLARIS users will take place. Registration and call for abstracts will be open soon. Both beamlines and cryo-electron microscope users are invited. The conference will be combined with a meeting of members of the Polish Synchrotron Radiation Society (PTPS). Detailed information about the event will be available on SOLARIS and PTPS websites.



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