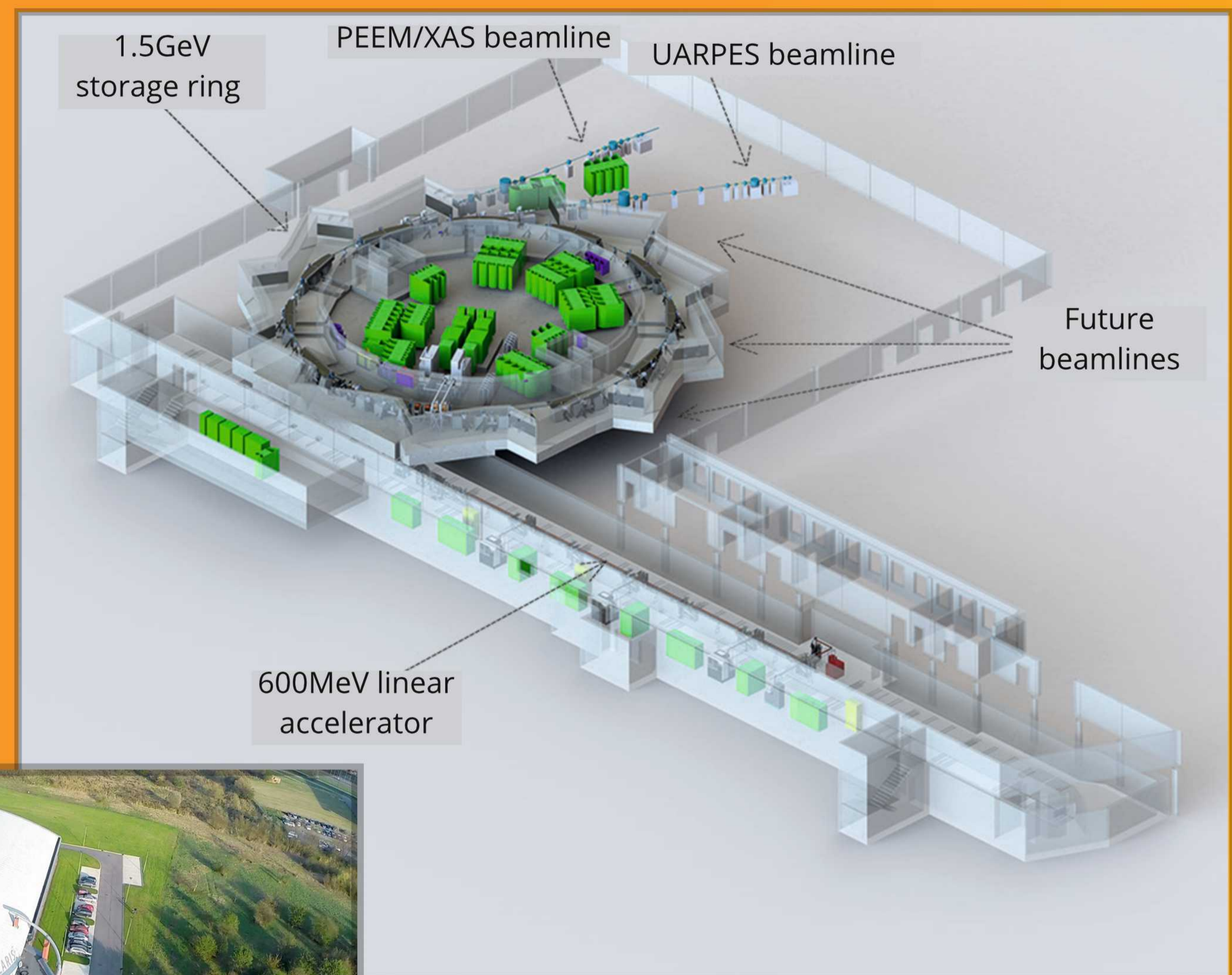
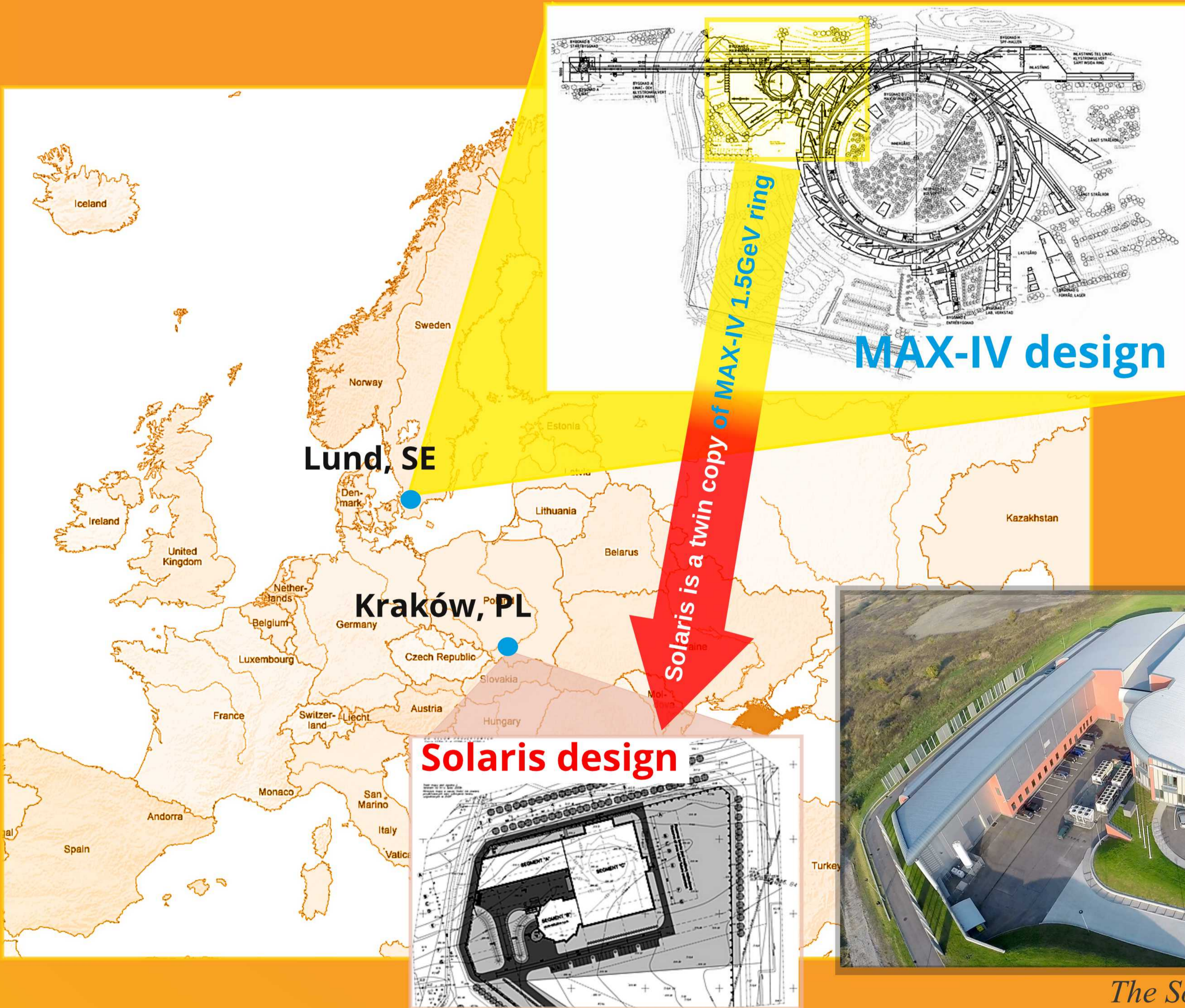


STATUS OF THE SOLARIS CONTROL SYSTEM - COLLABORATIONS AND TECHNOLOGY



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Layout of the Solaris machine

Happy Solaris Team after reaching 1.5GeV and 20mA current in the storage ring



The Solaris building



Solaris uses an archiving system developed at SOLEIL



Solaris and MAX-IV share among others control system design. Both systems use the same software, solutions and technologies where applicable. Thus we share expertise and resources.



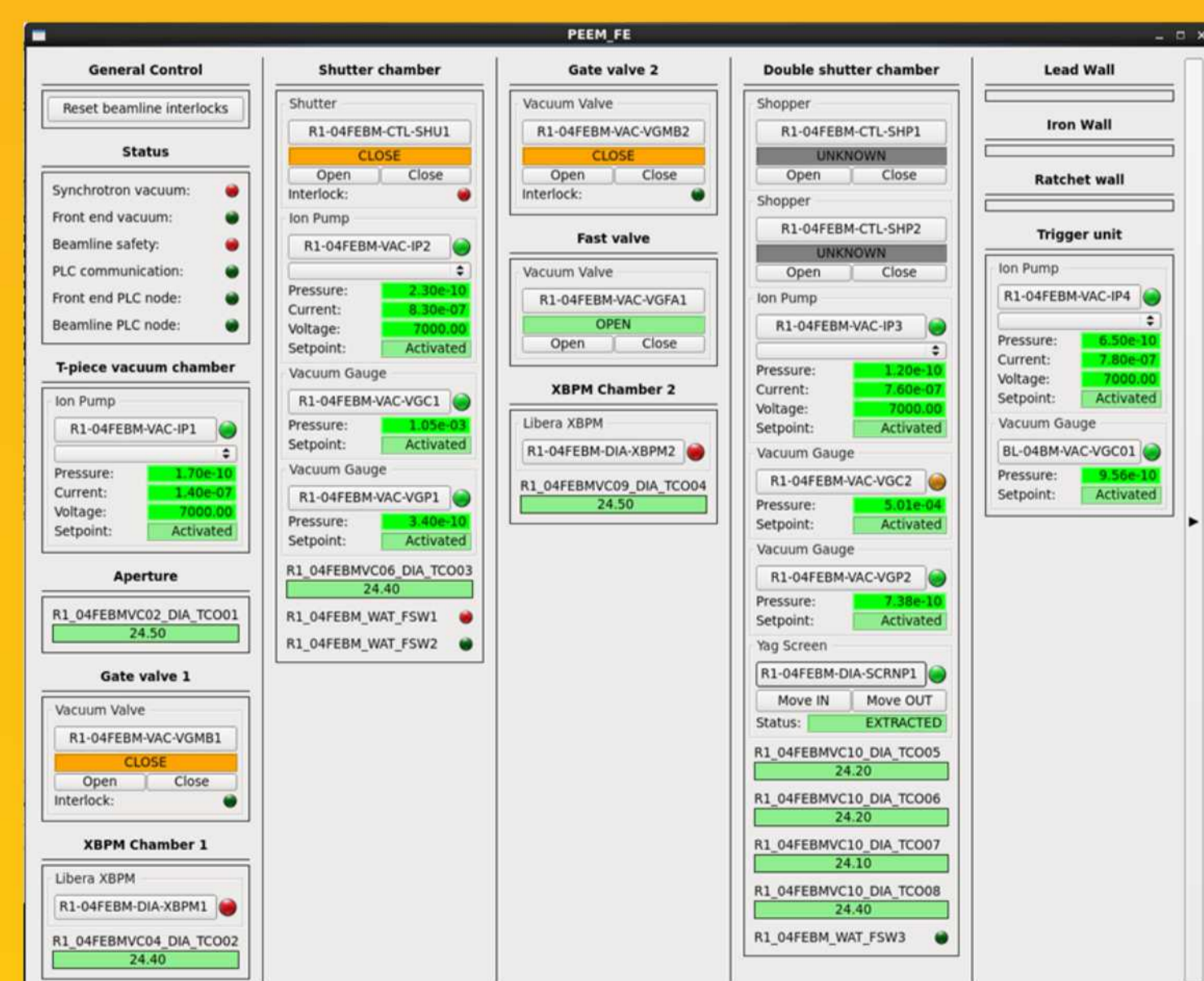
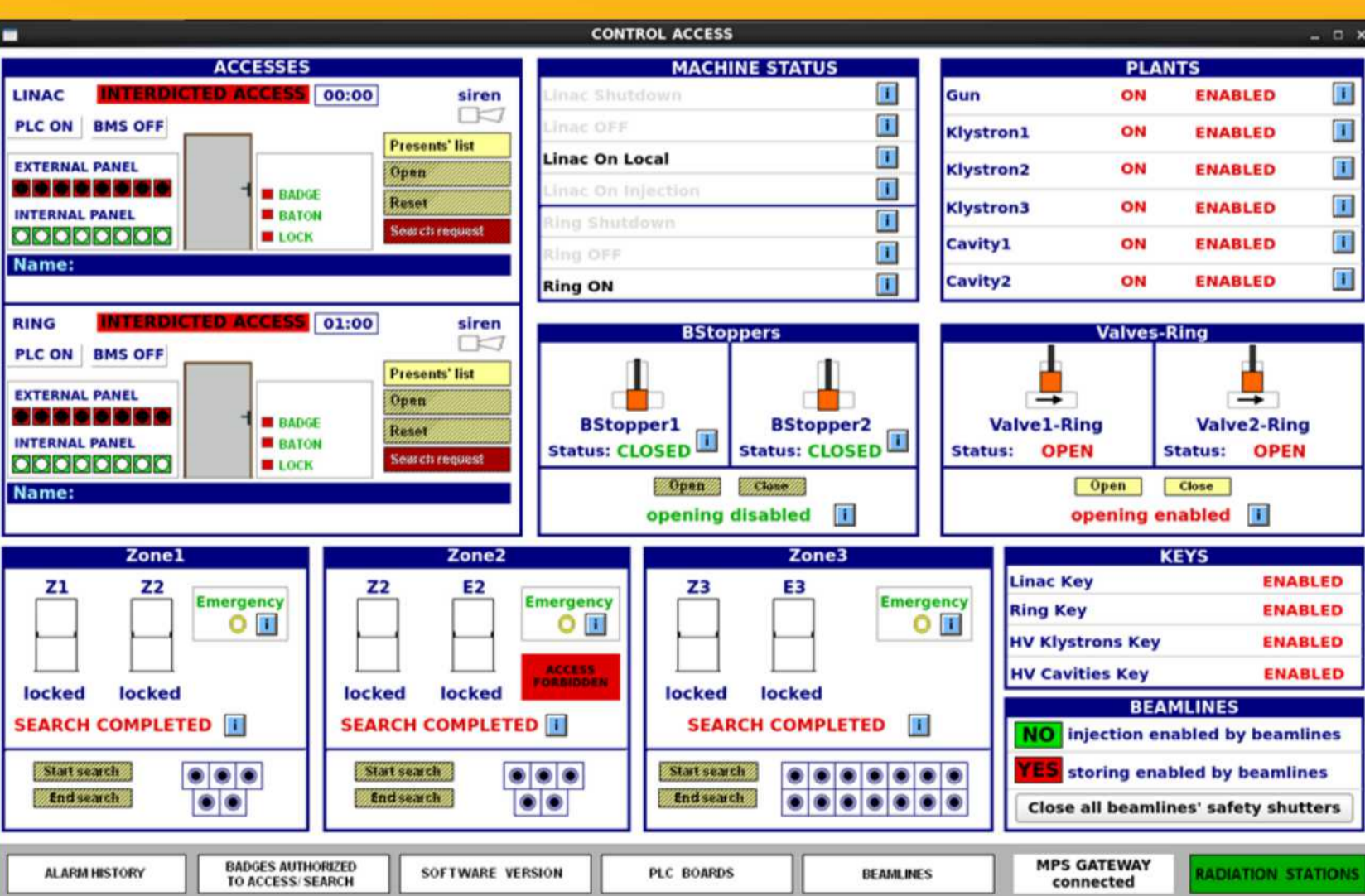
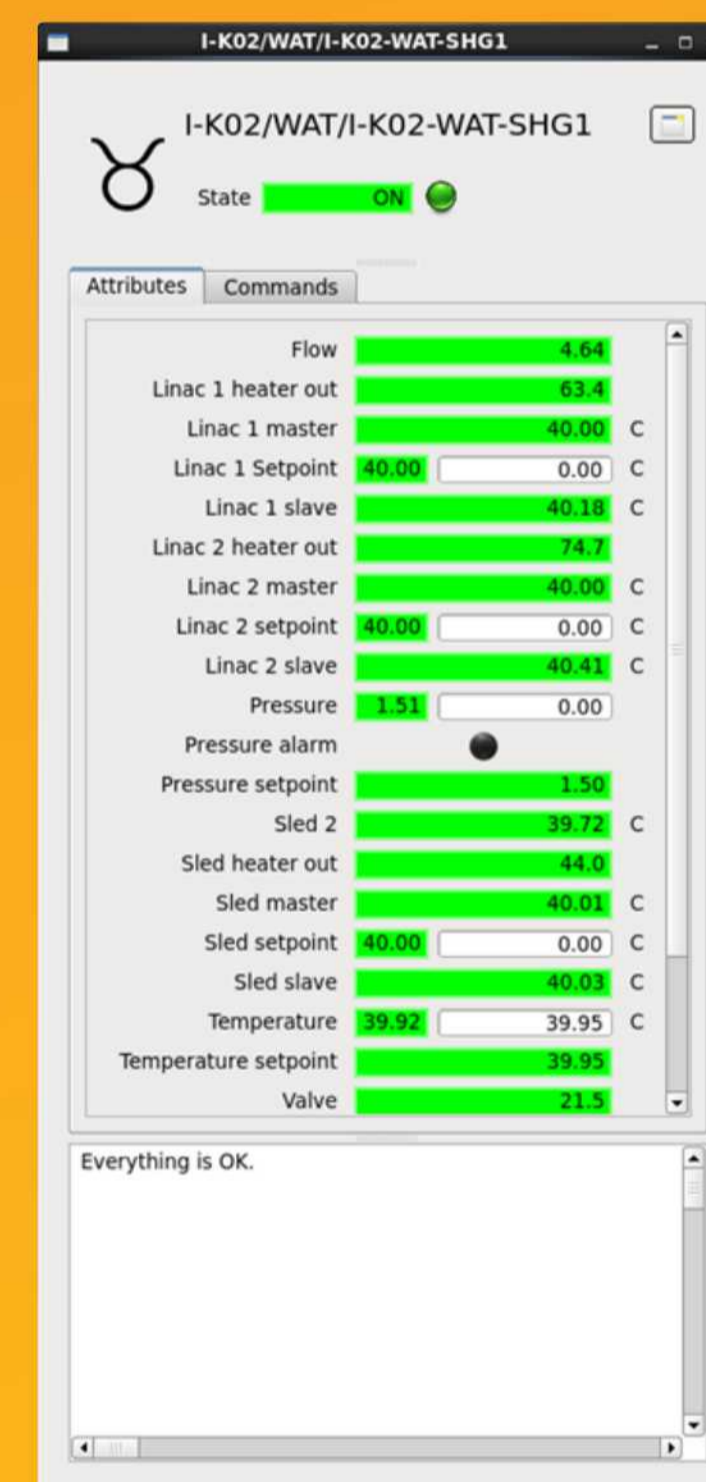
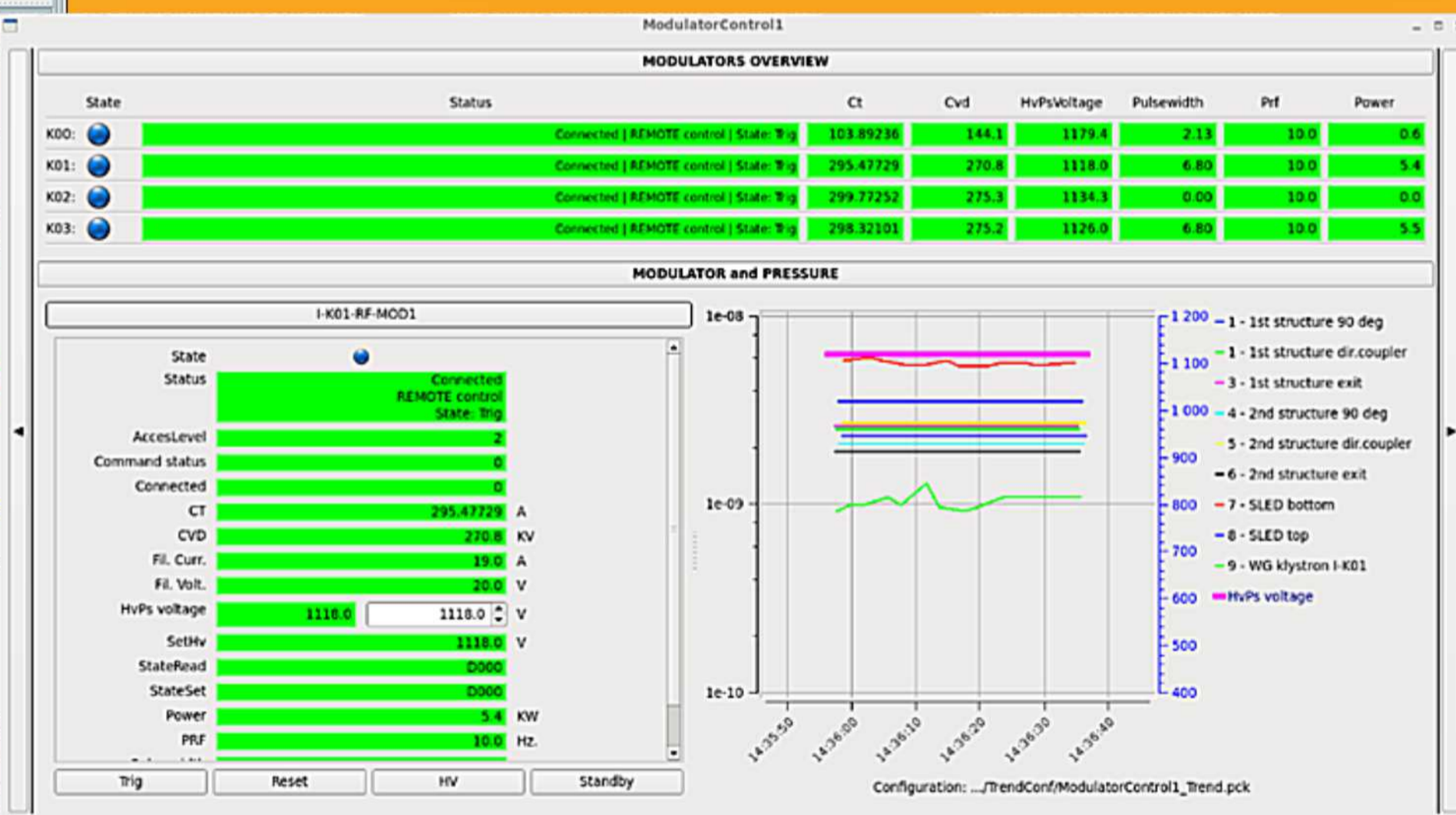
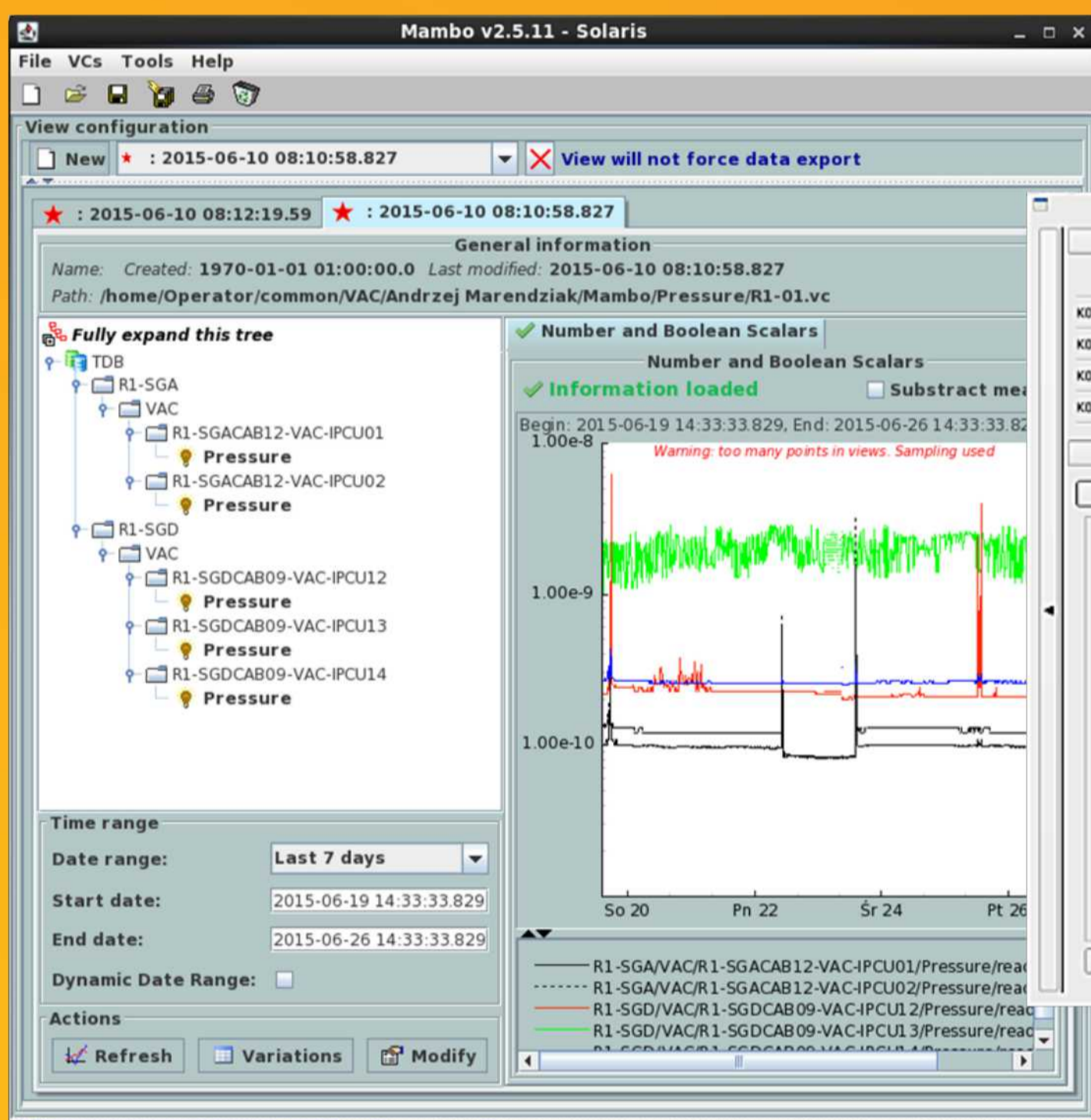
Collaborations let the Solaris build not only the state of the art accelerator with two beamlines but also the Team which gained expertise to make it run.

Tight cooperation between the Jagiellonian (Solaris) and Lund (MAX-IV) Universities and the collaboration within the TANGO Community have paramount impact on the delivery of the control system.

Motion control at Solaris is based on the IcePAP system initially developed by collaboration between ESRF and ALBA.

Lot of software tools at Solaris have been prepared with PyTango, Taurus and Sardana packages developed at ALBA.

There is local collaboration with PL-Grid infrastructure and ACK Cyfronet AGH on high power computing and storage services.



Elettra provided:
 General expertise support
 Personal Safety System
 Design based on Siemens PLCs
 PSS software
 Energy ramping software



A commercial company, COSYLAB, has integrated software provided by the community, developed an open source GUI suit called ControlProgram and provided to Solaris a timing system based on MRF timing hardware.



MOPGF151



Jagiellonian University Krakow, Poland



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