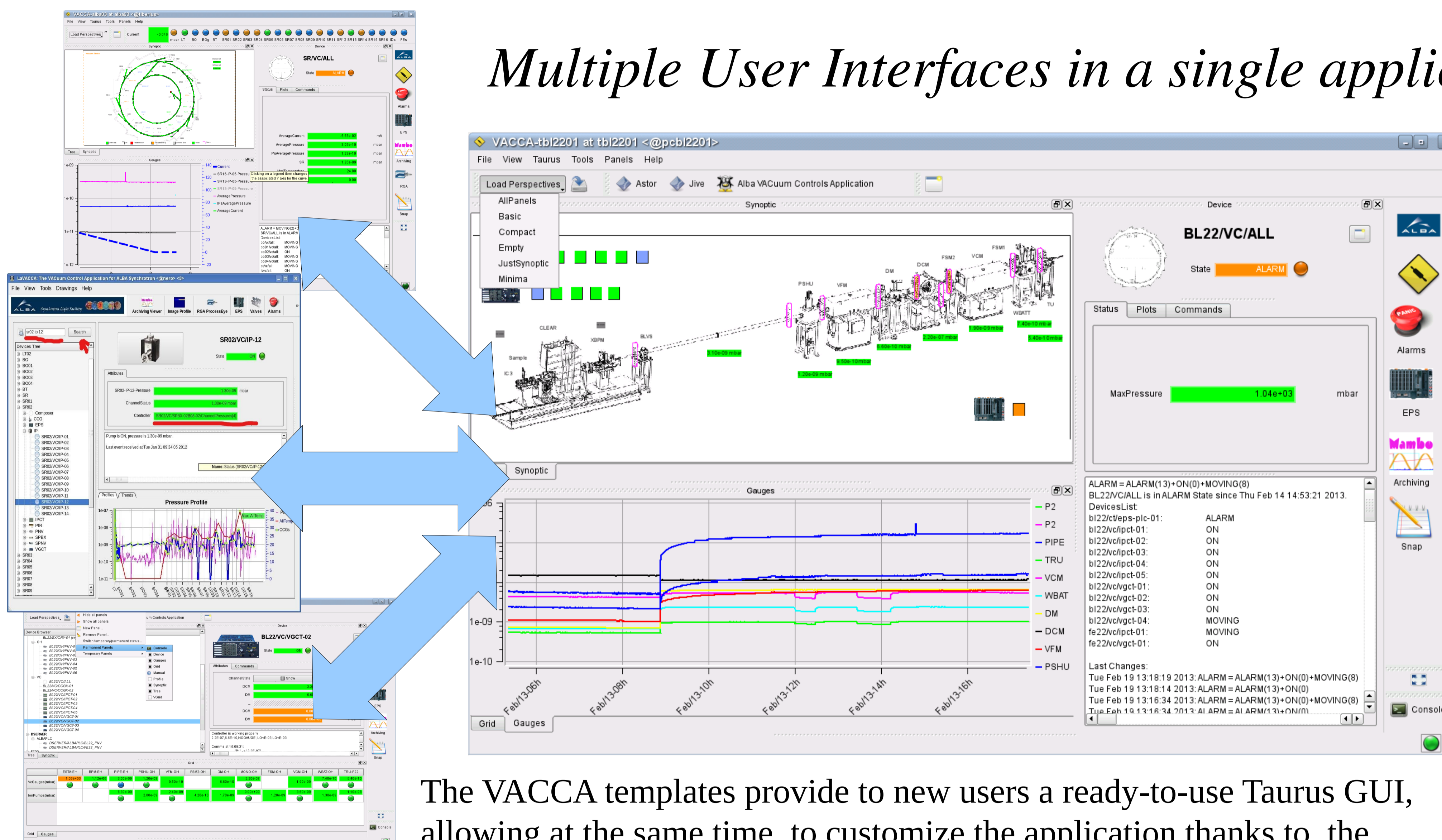


ALBA is a 3GeV Synchrotron facility in Barcelona (Catalonia, Spain, EU), with 7 operative beamlines and 2 in construction. ALBA Control System is based on **TANGO** and our own control libraries: **Taurus**, **Sardana** and **Panic**.

The **Viewer and Commander Control Application (VACCA)** have been developed on top of Taurus to provide TANGO with the user experience of a commercial SCADA. The VACCA User Interface provides a template mechanism for synoptic-driven applications and extends the Taurus widget catalog to interact with all the components of the control system (Alarms, Archiving, Databases, Hosts Administration).



Multiple User Interfaces in a single application



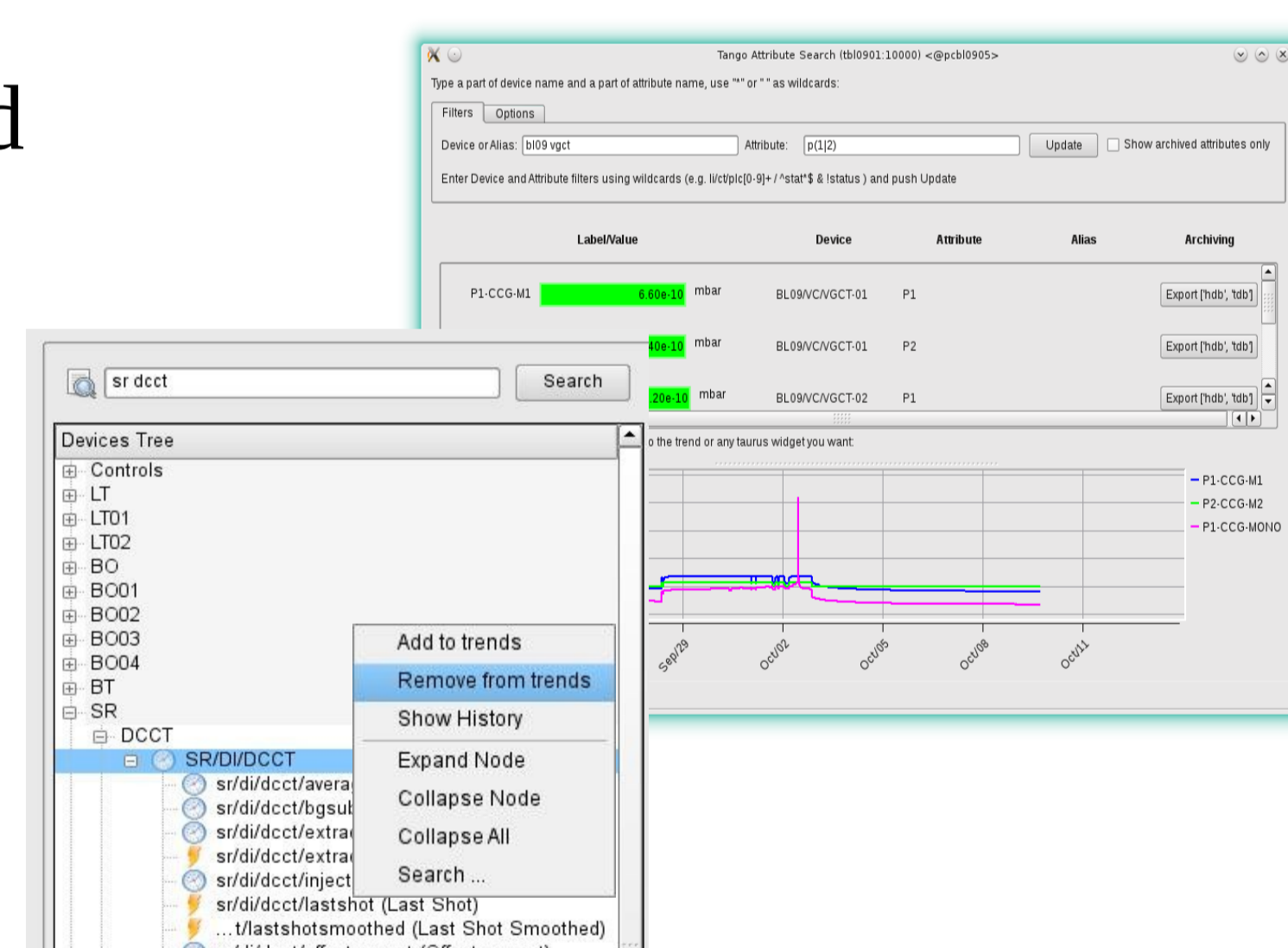
The VACCA templates provide to new users a ready-to-use Taurus GUI, allowing at the same time to customize the application thanks to the Perspectives mechanism of Taurus.

Taurus is a python framework for control and data acquisition GUIs in scientific/industrial environments. It provides easy-to-build applications customizable by the end-user.

VACCA extends Taurus with widgets interconnected by the Shared Data Manager, allowing crossed interaction between all Tango specific services.

... one GUI to find them all, to rule them, and in Tango bind them ...

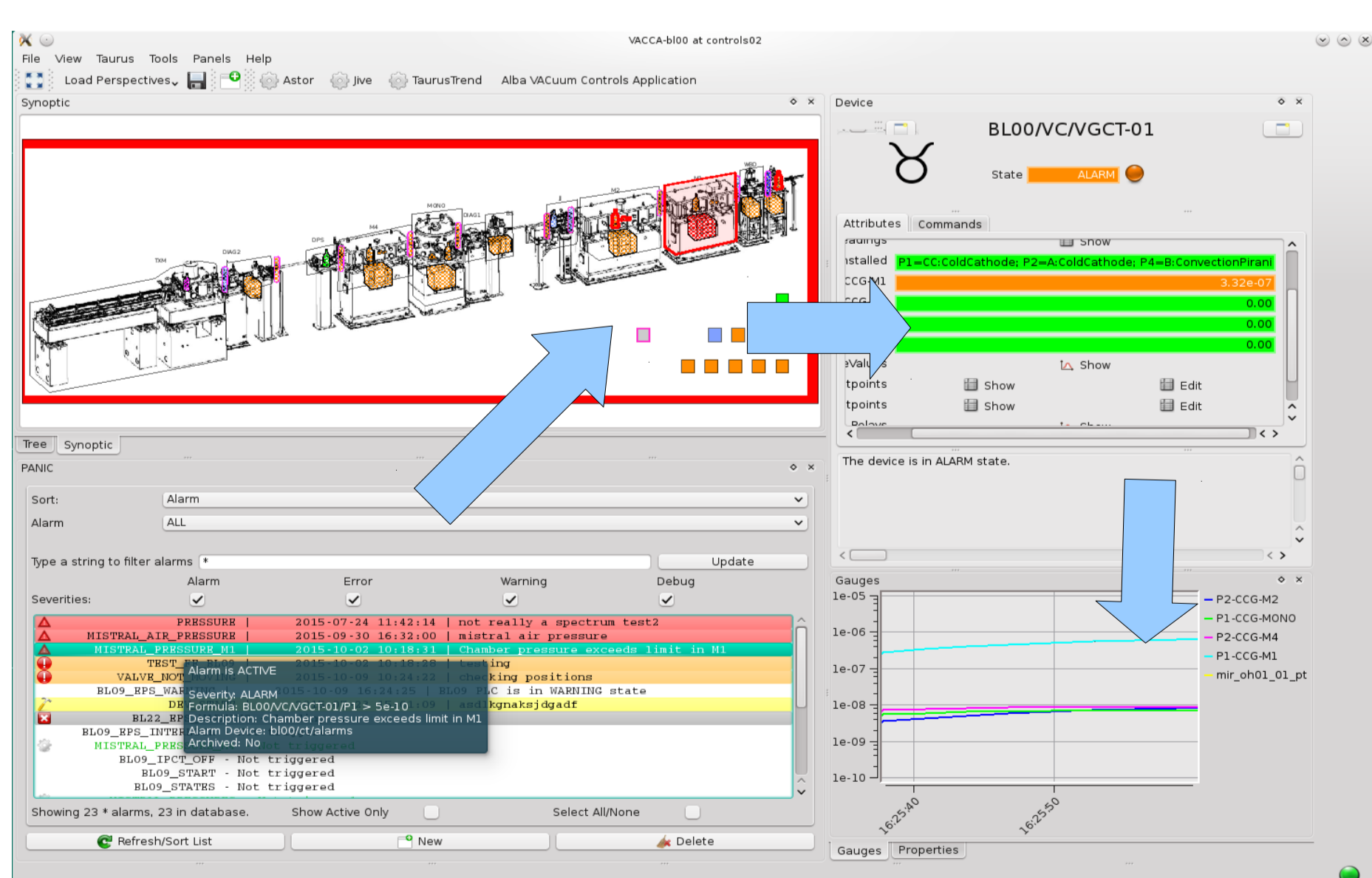
A full navigator for Tango Control System; searches and filters are enabled in all widgets and include the powerful Archiving Browser to search on either old or current data.



The unique features of VACCA GUI's are:

- **Search and selection** of attributes using either Synoptic, Tree, Browser or Alarms widgets.
- Searches are capable to find attributes either by **name, device, alias or label** text fields.
- Trends allowing simultaneous visualization of **archived and current data**.
- Visualization of attributes, commands and **properties** of devices in a customizable panel.
- **Start and Stop** device servers from the GUI.
- Visualization of **PANIC** alarms on **Synoptics**.
- **Drag & Drop** between all widgets of the catalog, including property and alarm editors.

The interaction between widgets allow to easily link Alarms with Synoptics, Synoptic to Device panels, Panels with plots, ...



VACCA provides a single-point-of-entry to TANGO and Taurus users, a control system navigator with the readiness and straight-forward approach of a commercial SCADA.

