Software Evolution
Since its initial development in 2005, CrysAlisPro has always been greatly influenced by customer feedback. Customers are strongly encouraged to tell us their ideas, and we aim to implement as many as possible. In recent software updates, these include:

- Auto cryo-device shutdown post experiment completion (for all common cryo-devices)
- Auto generator ramping pre- and post-experiment
- Extremely simple space group switching using Interactive Gral
- Auto crystal-centring assistant (pictured)
- Multi-core PC support for even faster data processing
- Disk Clean-up tool - save lots of disk space by removing experiment tmp and log files

Improved Data Collection Strategies
The CrysAlisPro strategy module is a very powerful utility for creating efficient, tailor-made data collections depending on the intended experiment.

This combines:
- The fastest strategy computation available (<10 seconds in most cases)
- Redesigned GUI
- New features including 'Complete Data for Twins' - Collects 100% complete data for all lattices of a multi-component crystal

High Pressure Strategies and Automatic Data Processing
- High pressure strategies can be calculated like any other experiment
- Simply set the DAC opening angle
- Data reduction imposes the same constraint, and so automatically masks DAC gasket shadows

Multi-Wavelength and Temperature Experiments
Create queued experiments using any common cryo/hot-device:
- Generate set points at any user-defined temperature
- Include both Cu and Mo experiments
- Data can be collected at each stage, or can be used for precise cooling/heating of samples
- Wait for time, or wait until thermal stabilisation achieved
- Fully implemented with concurrent data reduction, so no need to manually process multiple data sets

AutoChem
Automatic structure solution and refinement plugin for CrysAlisPro
- Developed by the authors of Olex2 (University of Durham, UK)
- Uses SMTBX (charge flipping) or SHELX (licence permitting) platforms
- Tested using >2800 structures
- Concurrent with data collection and data reduction
- Seamless integration with Olex2 for manual structure manipulation
- Solves and refines >80% of good quality samples

Protein Screening
CrysAlisPro now has a dedicated protein thread, with a host of new functions designed specifically for the PX user:
- Auto resolution determination
- Easy screening
- No dark frames required, giving instant results
- d-value analyser
- mosFLM, XDS and Denzo output