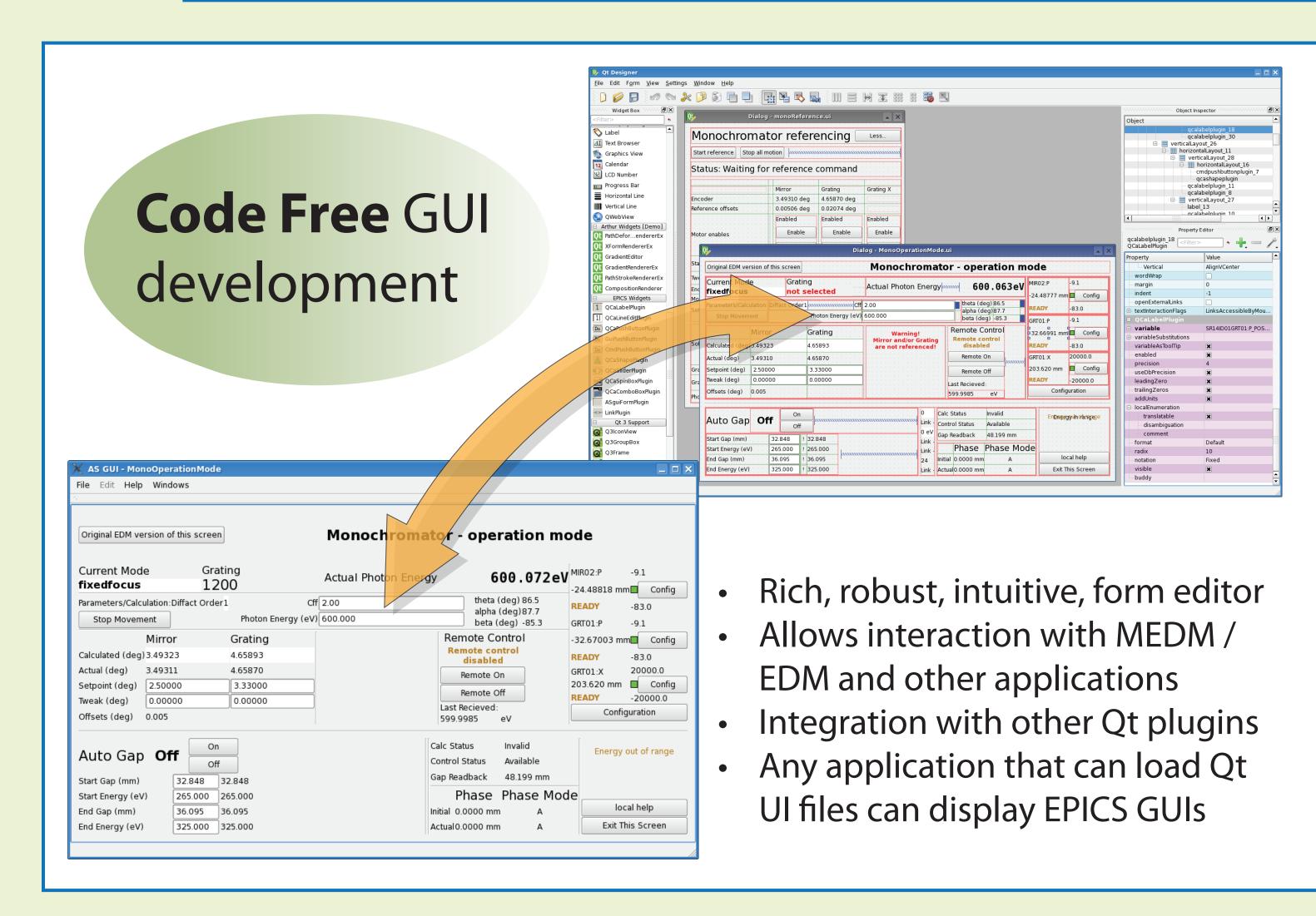
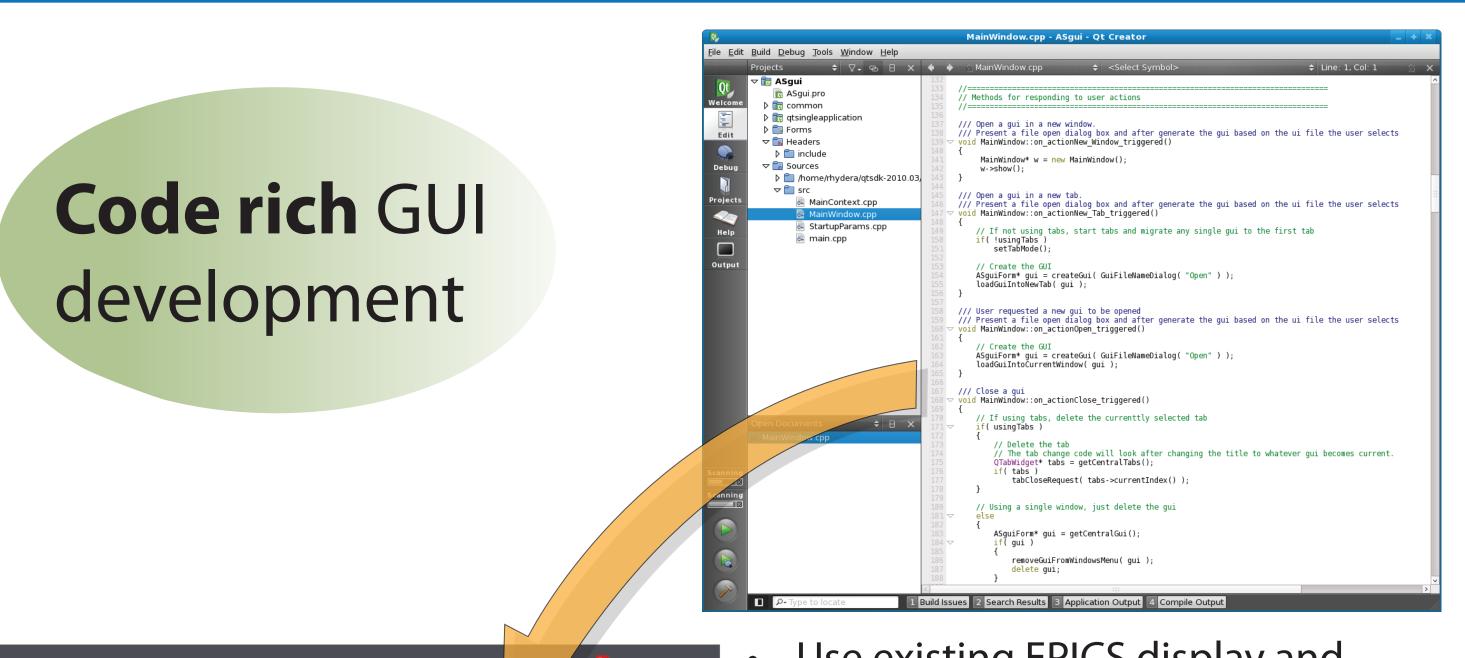
Qt EPICS Development Framework

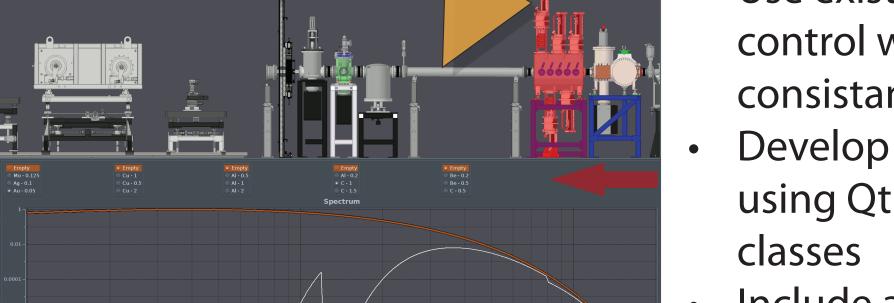
A. Rhyder, A. Owen, G. Jackson

QCa. A cross-platform application and GUI framework based on Qt for accessing EPICS data using Channel Access.

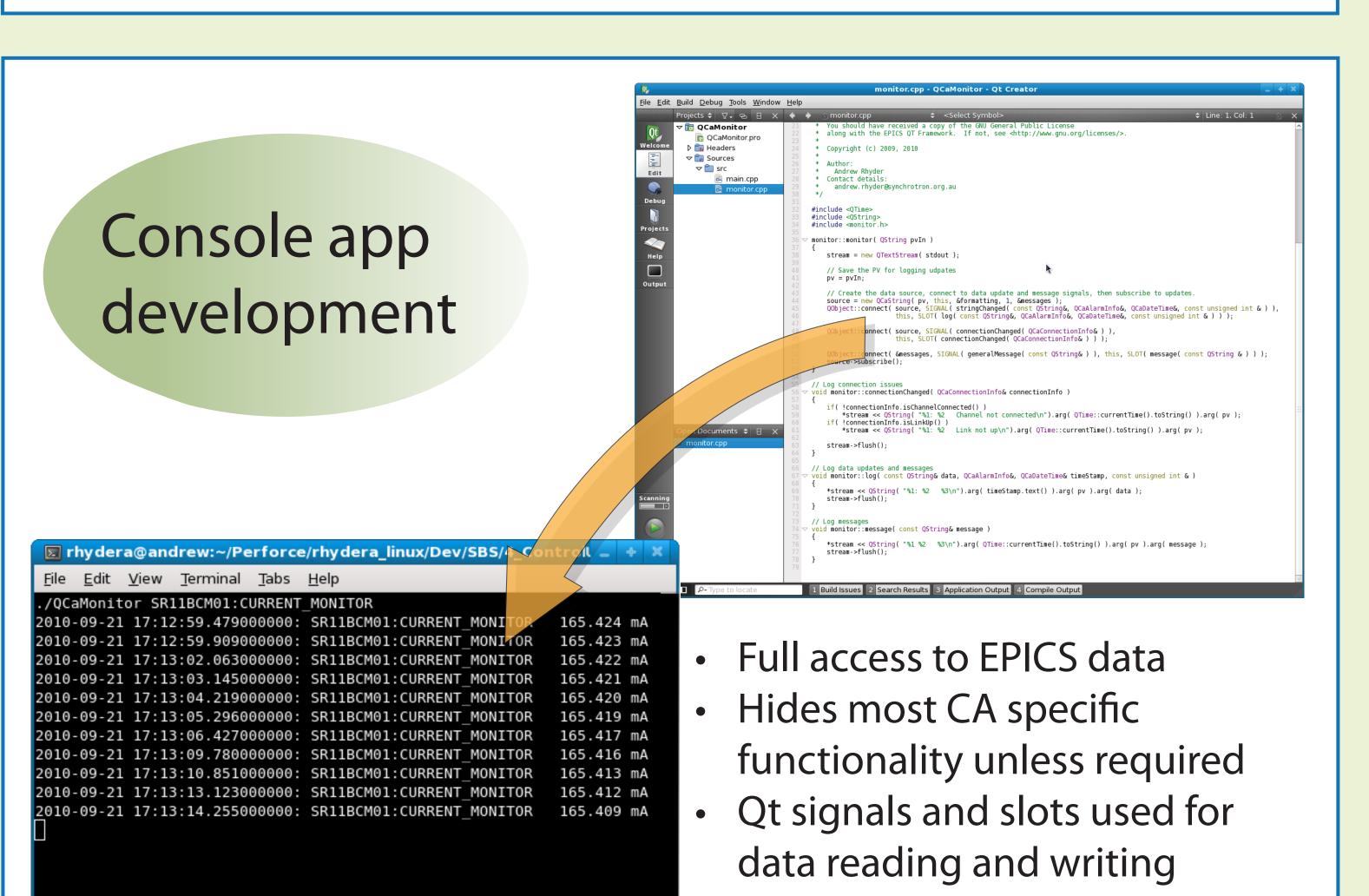
The QCa framework provides a Qt based C++ framework for easy CA access to EPICS data. It provides access to EPICS data at several levels from programmatic reading and writing of data using Qt's signals and slots through to EPICS aware Qt user interface plugins such as push buttons, sliders, and text widgets.

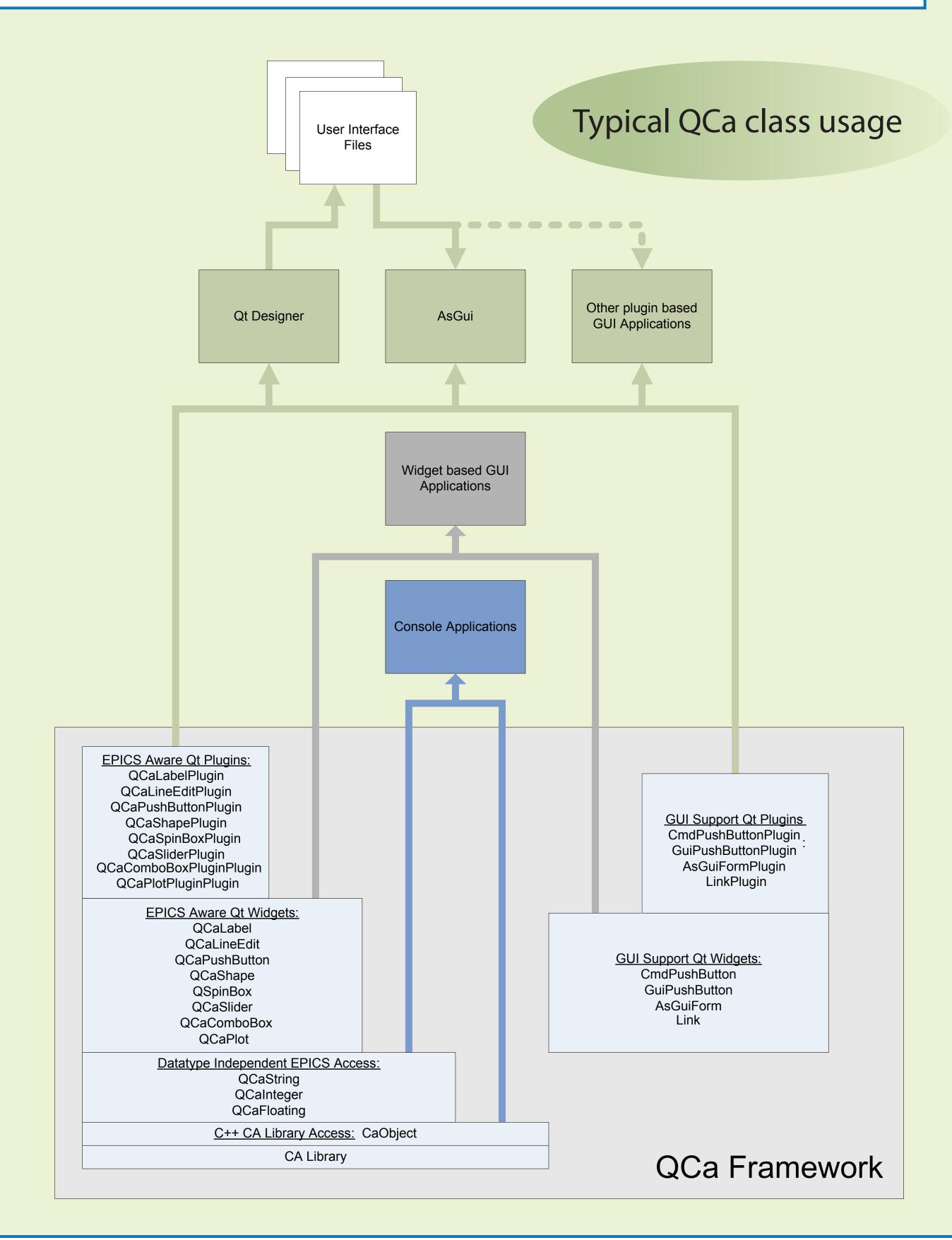






- Use existing EPICS display and control widgets for rapid and consistant development
- Develop speciality EPICS widgets using Qt friendly EPICS data classes
- Include as much or as little application specific code as required





Type of access to CA data	Functionality	Main classes
C++ access to the CA library.	Provides convenient C++ access to the CA library.	CaObject
Qt based access to CA.	Hides CA specific functionality. Adds Qt functionality such as signals and slots.	QCaObject
Data type independent access.	Hides EPICS data types, providing read and write conversions where required.	QCaInteger QCaString QCaFloating
EPICS aware graphical widgets.	Implements graphical Qt based widgets that provide access to EPICS data.	QCaLabel QCaLineEdit QCaPushButton QCaShape QCaSlider QCaSpinBox QCaComboBox QCaPlot
EPICS aware graphical Qt plugins.	Adds Qt plugin interfaces to EPICS aware widgets.	QCaLabelPlugin QCaLineEditPlugin QCaPushButtonPlugin QCaShapePlugin QCaSliderPlugin QCaSliderPlugin QCaSpinBoxPlugin QCaCoomboBoxPlugin QCaPlotPlugin
GUI support widgets	Implements Qt based widgets that support control system GUIs. These widgets do not access the CA library.	AsGuiForm GuiPushButton CmdPushButton Link

Framework available for download at: http://sourceforge.net/projects/epicsqt/

