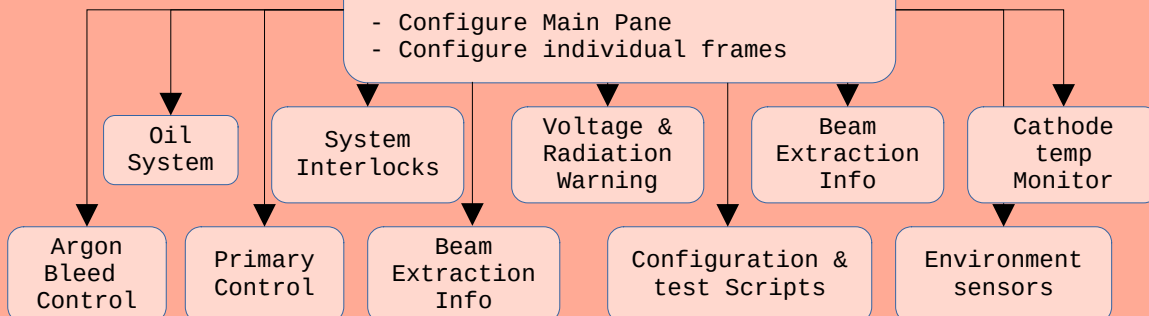# EBEAM_CONTROL.exe

main.py

- import libraries
- configure COM ports
- start main app

dashboard.py

- Initialize **EBEAMSystemDashboard**

System Dashboard

- Configure Main Pane
- Configure individual frames

Oil System

System Interlocks

Voltage & Radiation Warning

Beam Extraction Info

Cathode temp Monitor

Argon Bleed Control

Primary Control

Beam Extraction Info

Configuration & test Scripts

Environment sensors

subsystem.py

- Prepare GUI components
- Instantiate **intrument control drivers**
- Individual communication channels
- Live plot handling (matplotlib, tkinter)

util.py

- Frame to display system messages
- **TextRedirector**: stdout to dashboard
- **SetupScripts:** GUI for selection and executing custom config python scripts
- User Panel layout storage + GUI
- **ApexMassFlowController** driver implementation