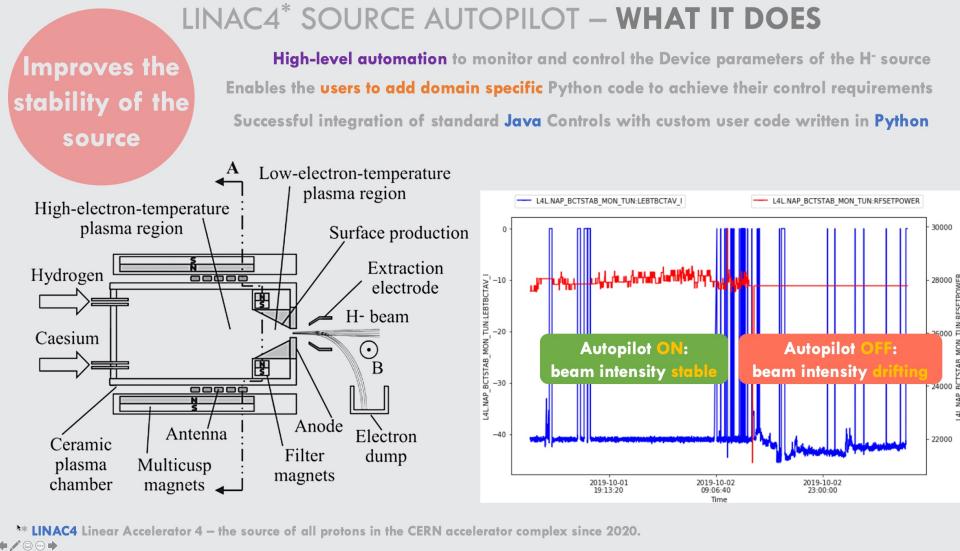


THE LINAC4 SOURCE AUTOPILOT (WEPV018)

Maciej Peryt, Michal Hrabia, Richard Scrivens (CERN, Geneva)
Daniel Noll (ESS, Lund)



2

LINAC4 SOURCE AUTOPILOT – THE ARCHITECTURE

3

LINAC4 SOURCE AUTOPILOT – THE DEPLOYMENT

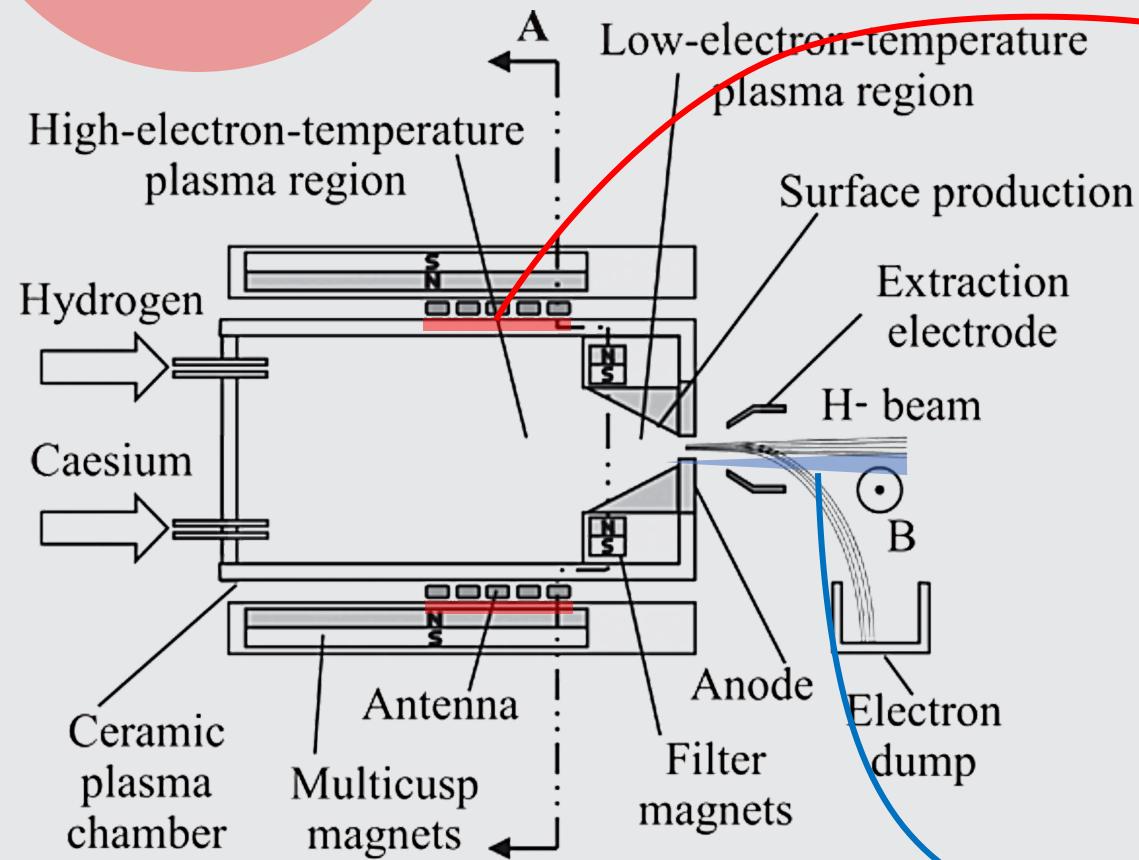
4

LINAC4 SOURCE AUTOPILOT – THE USER INTERFACE

5

LINAC4* SOURCE AUTOPILOT – WHAT IT DOES

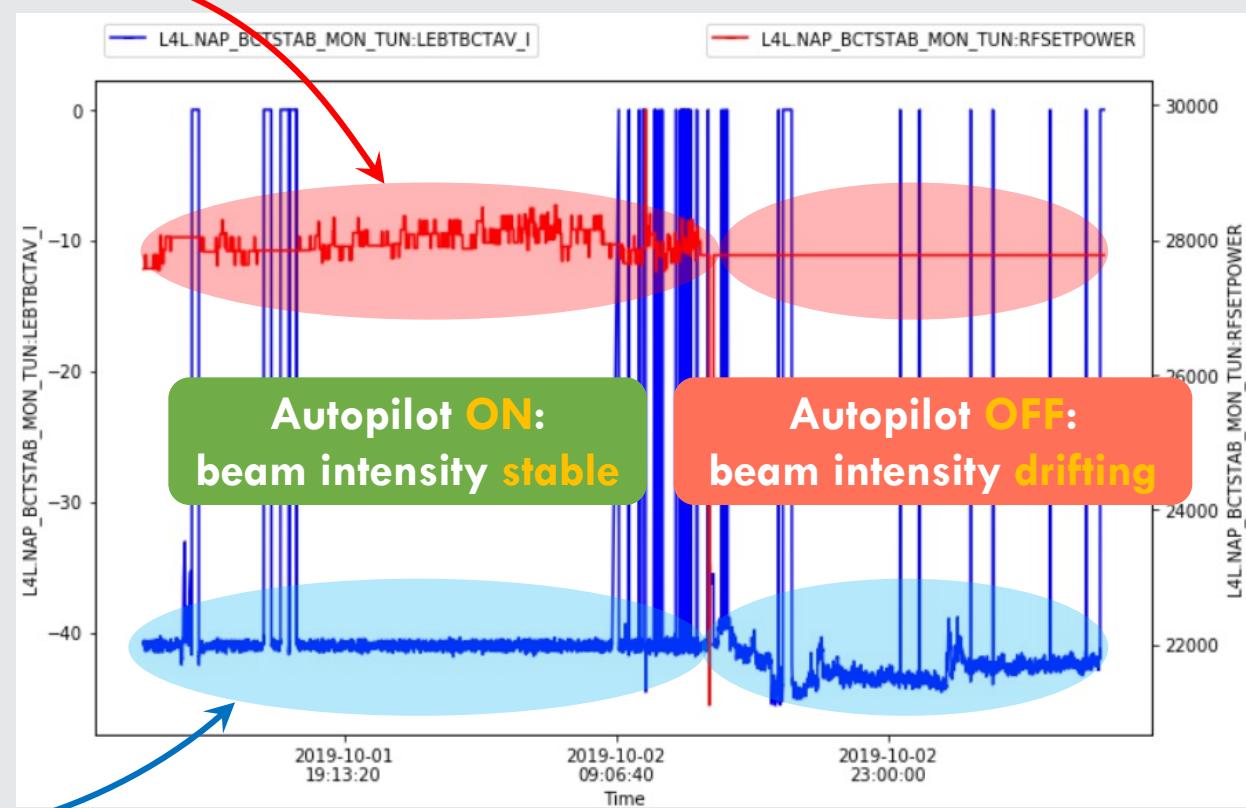
Improves the stability of the source



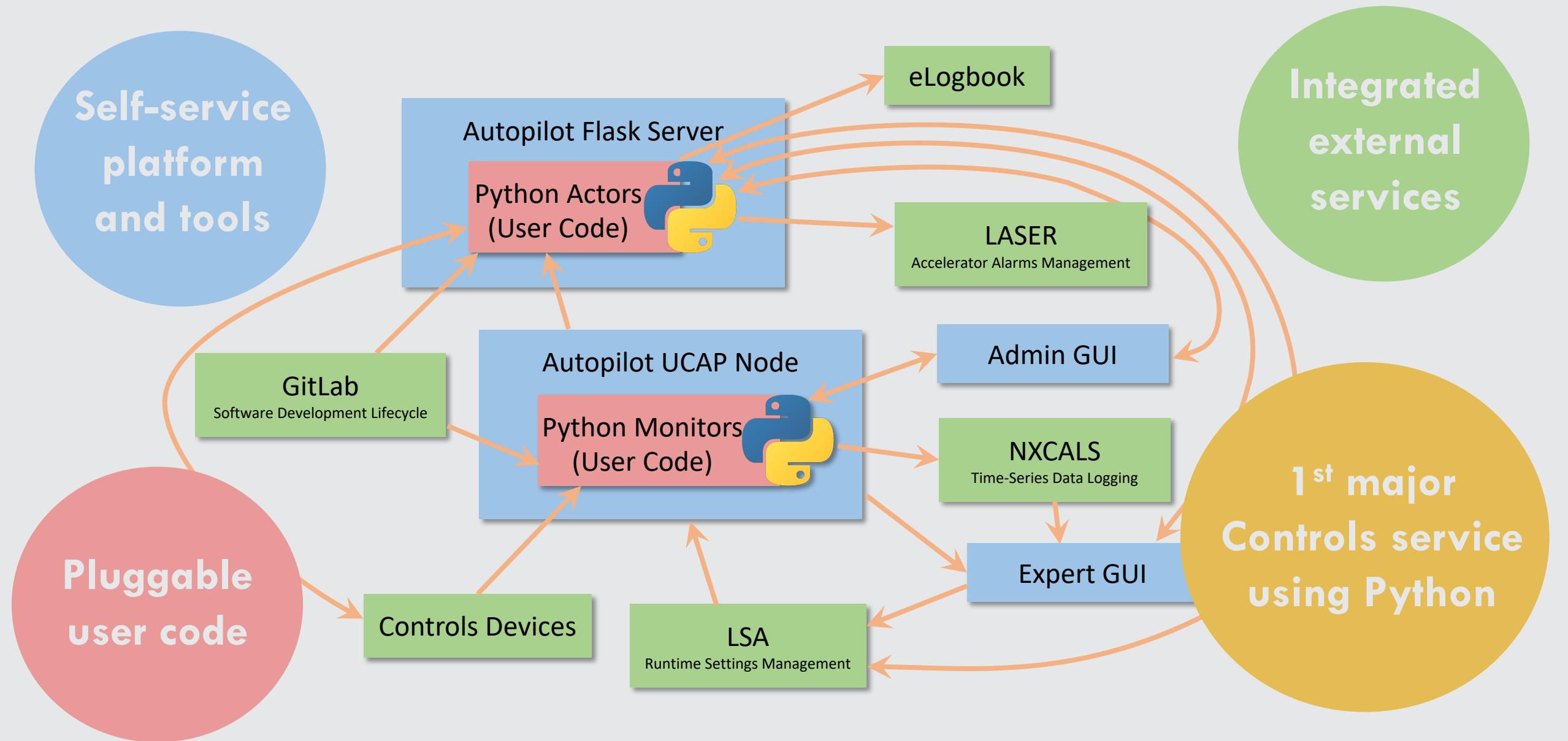
High-level automation to monitor and control the Device parameters of the H⁻ source

Enables the users to add domain specific Python code to achieve their control requirements

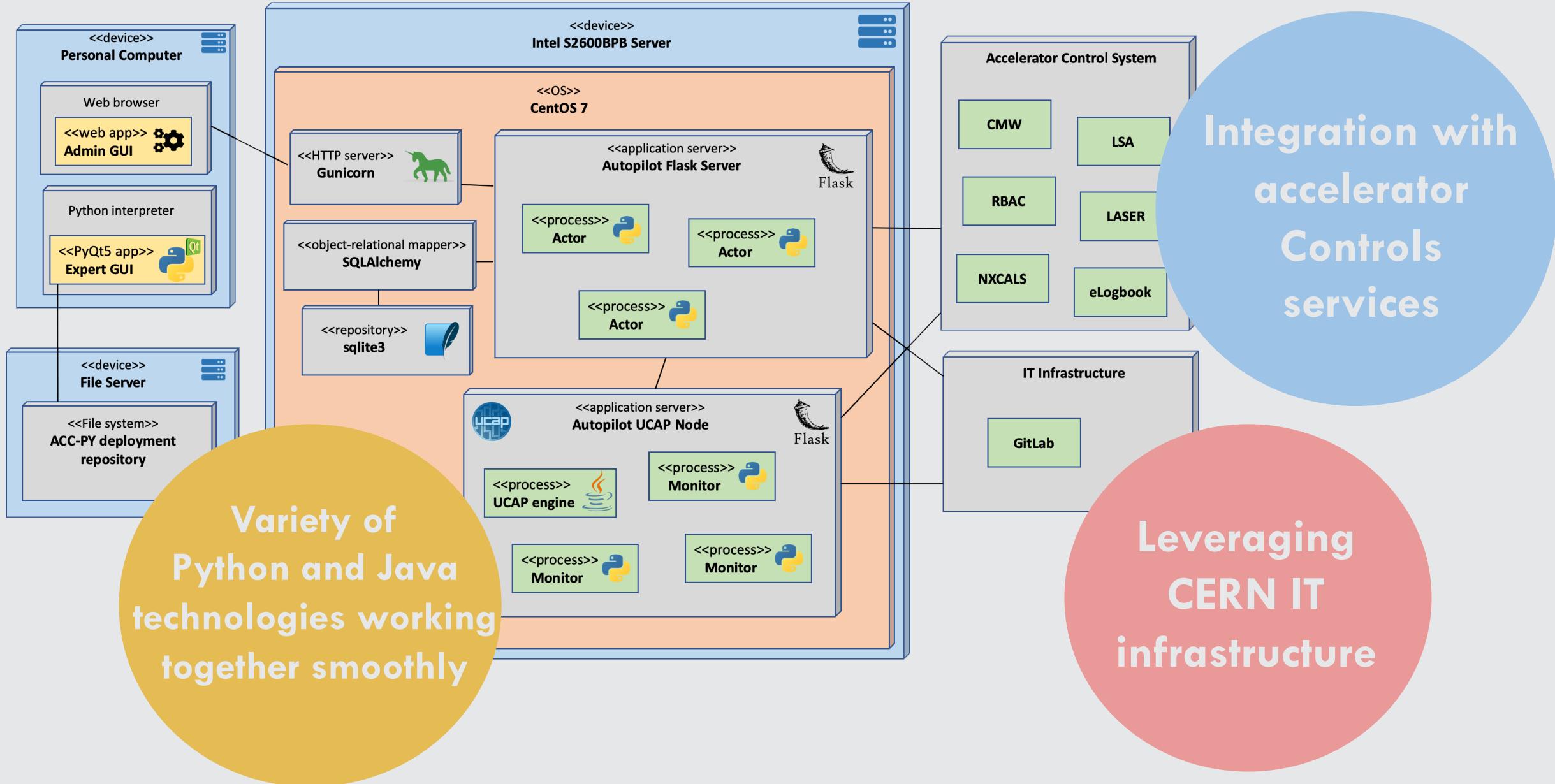
Successful integration of standard Java Controls with custom user code written in Python



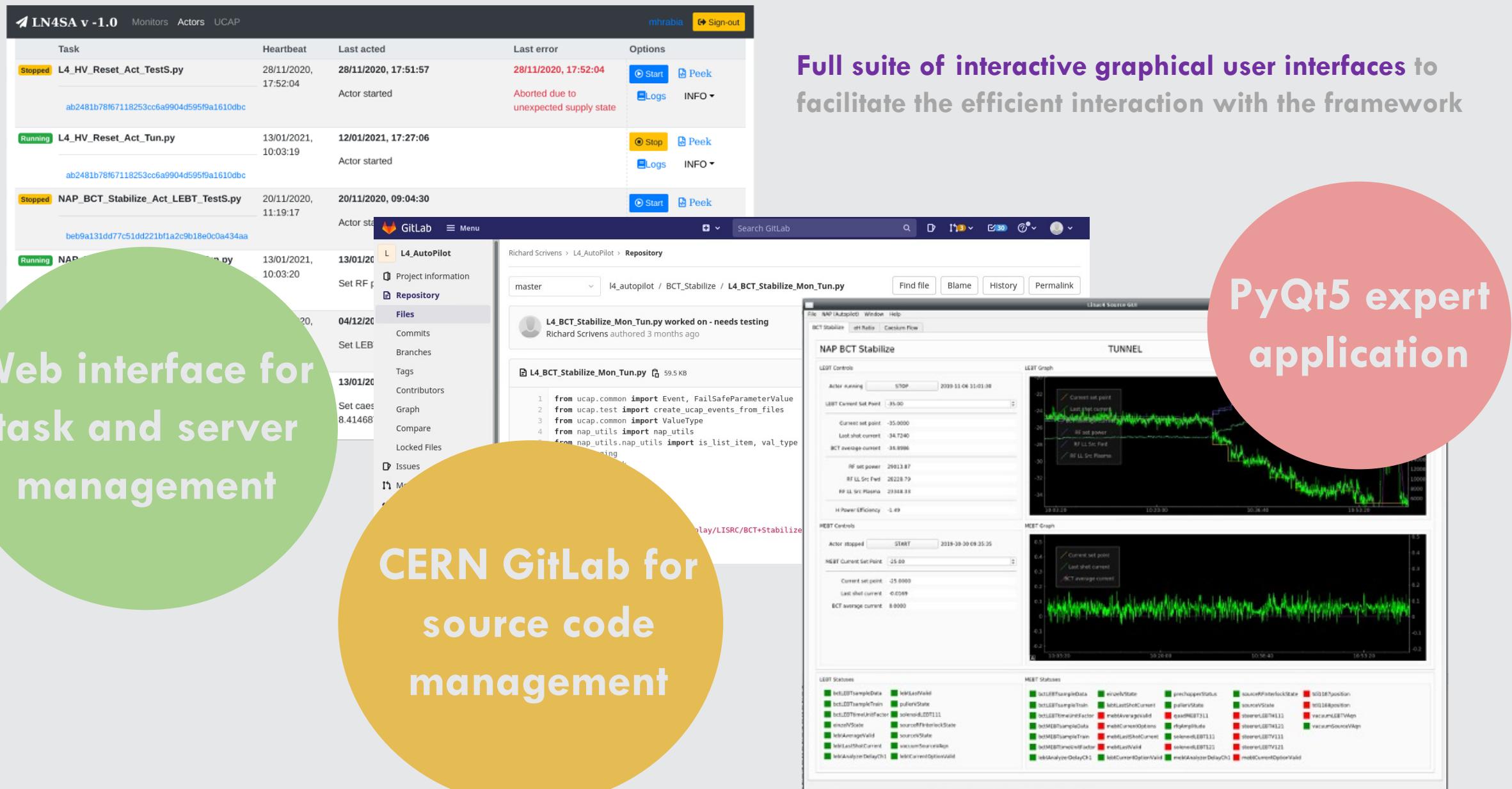
LINAC4 SOURCE AUTOPILOT – THE ARCHITECTURE



LINAC4 SOURCE AUTOPILOT – THE DEPLOYMENT



LINAC4 SOURCE AUTOPILOT – THE USER INTERFACE



Web interface for task and server management

CERN GitLab for source code management

PyQt5 expert application