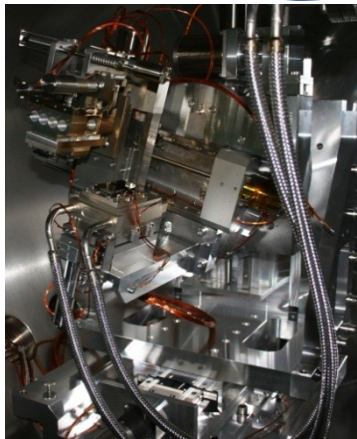
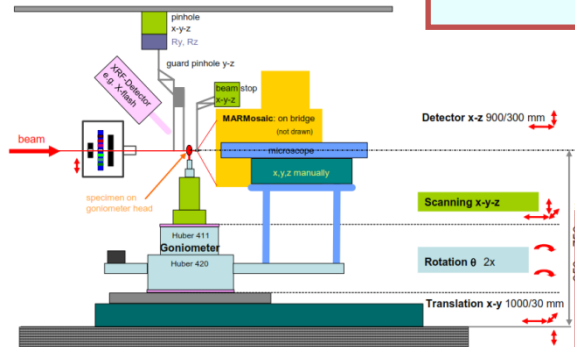
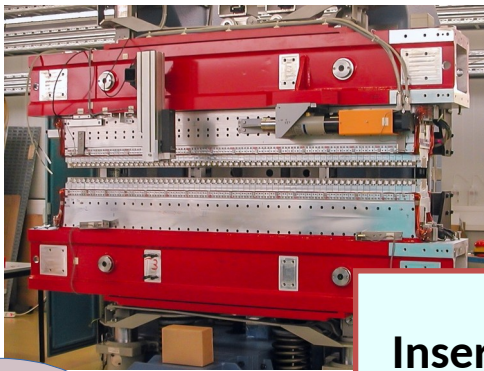


X-ray Source

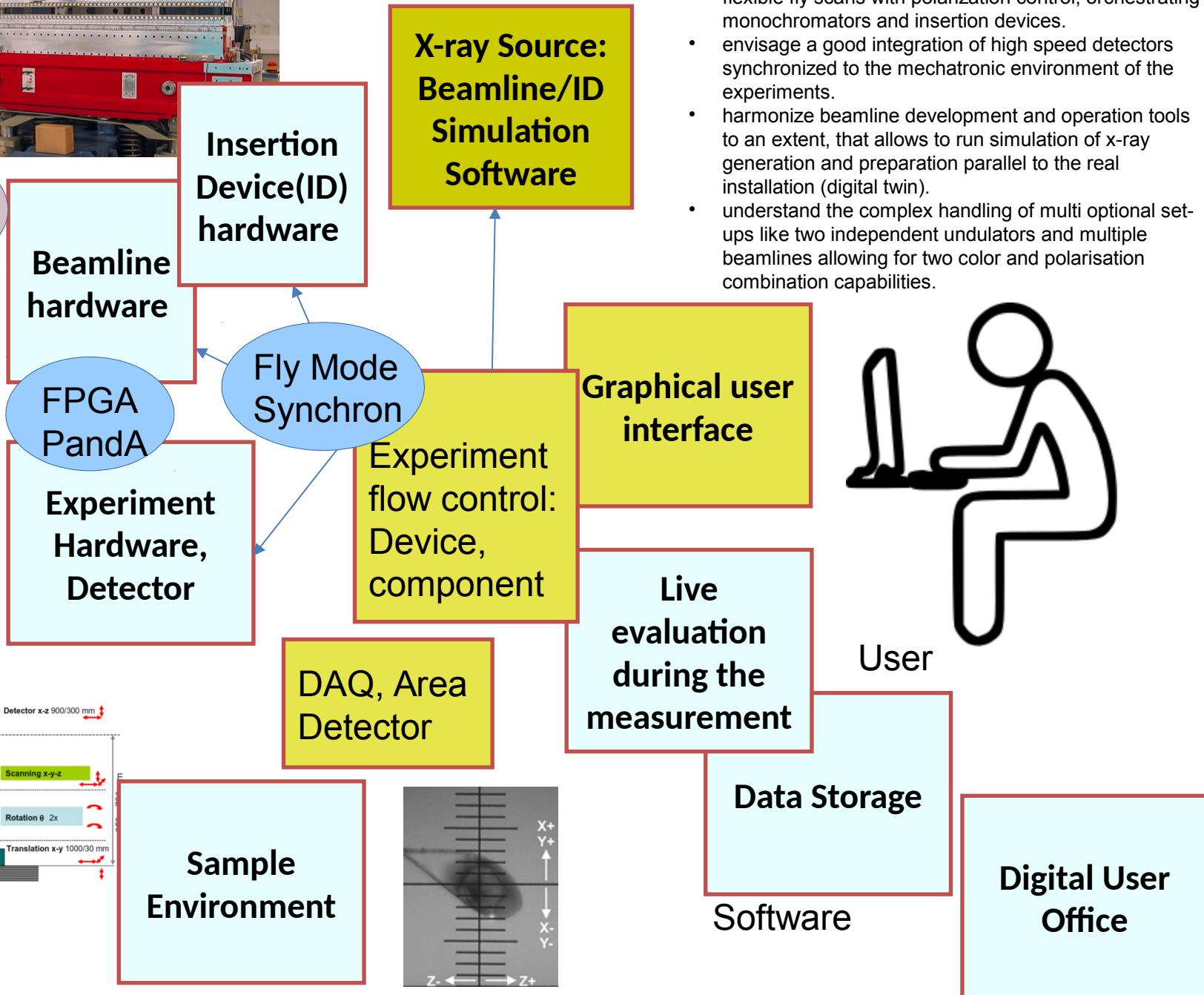
Beamline



Motor Encoder



Experiment



Workshop goals and strategic visions:

- develop a motor control concept allowing precise and flexible fly scans with polarization control, orchestrating monochromators and insertion devices.
- envisage a good integration of high speed detectors synchronized to the mechatronic environment of the experiments.
- harmonize beamline development and operation tools to an extent, that allows to run simulation of x-ray generation and preparation parallel to the real installation (digital twin).
- understand the complex handling of multi optional set-ups like two independent undulators and multiple beamlines allowing for two color and polarisation combination capabilities.



User