

# FS-EC: Software solutions in the critical path for data acquisition

*Friday 10 November 2023 09:15 (10 minutes)*

Within FS-EC (Experiment Control) we develop and adopt software solutions that cater the data acquisition processes in user operation in FS facilities as well as fundamental background services that are needed for a performant beamline infrastructure. The group covers aspects spanning across high level controls (Sardana), low level controls and hardware abstraction (Tango), detector drivers and adaptors (for high speed cameras), custom firmware for embedded devices (PILC) to beamline specific scripts and user interfaces. Further we are involved in data analysis (Maxwell support) as well as GPFS storage (ASAP3) related activities.

As one of the support groups within FS our mission is to contribute to smooth user operation in DESY FS facilities. This involves own developments (e.g. hundreds of Tango servers) as well as the contributions to international collaborations.

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