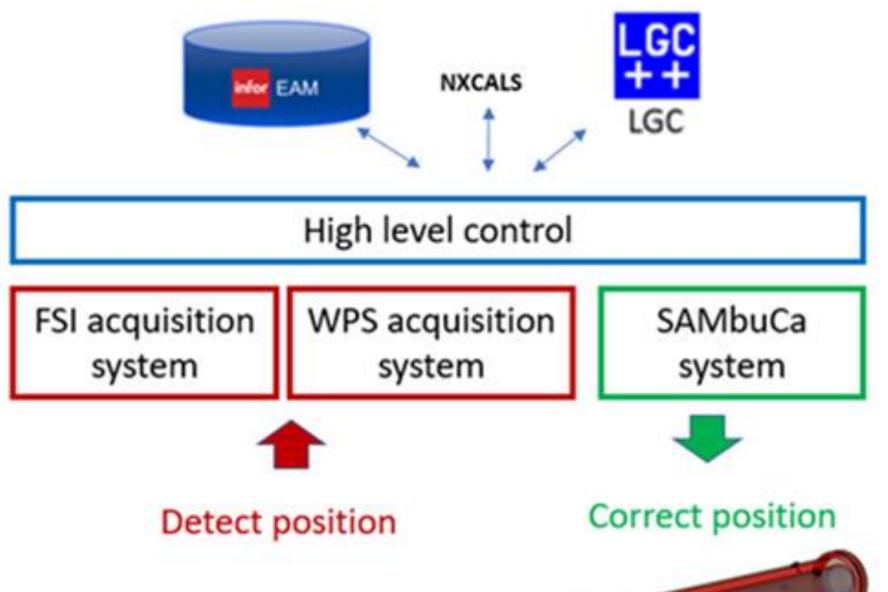


ALIGNMENT SYSTEM TESTS ON THE CERN REMOTE ALIGNMENT SYSTEM MOCK-UP



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Full Remote Alignment System (FRAS) to minimize radiation exposure to personnel



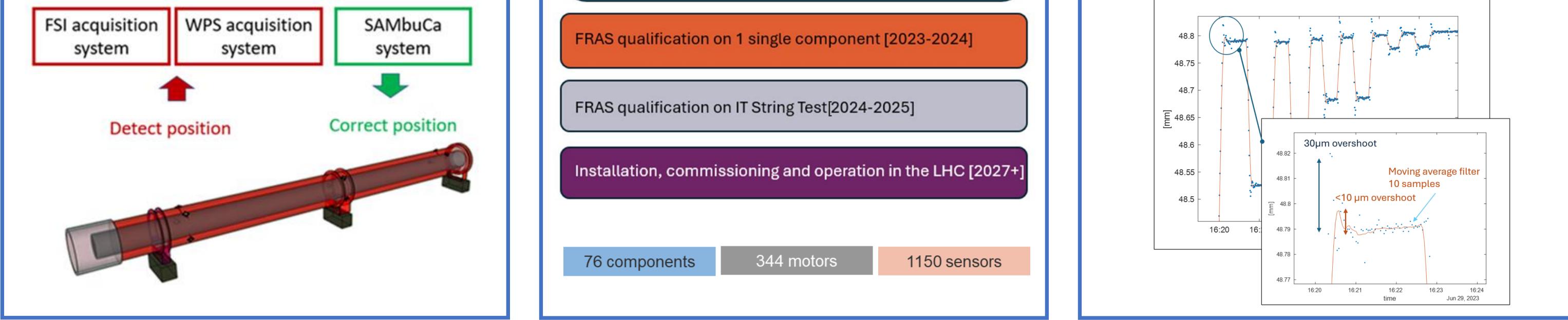
Full strategy put in place to qualify FRAS

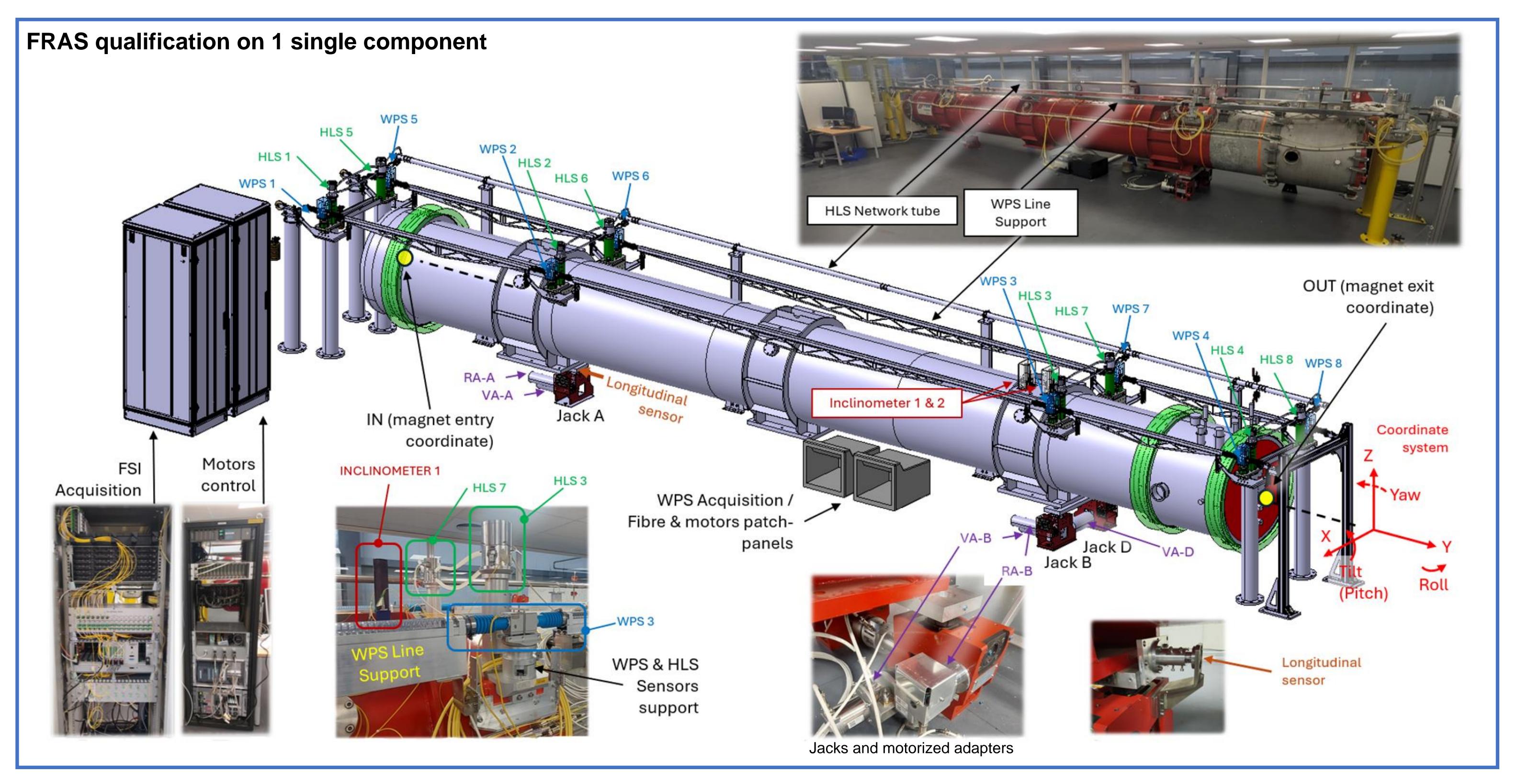
Development & preparation of FRAS:

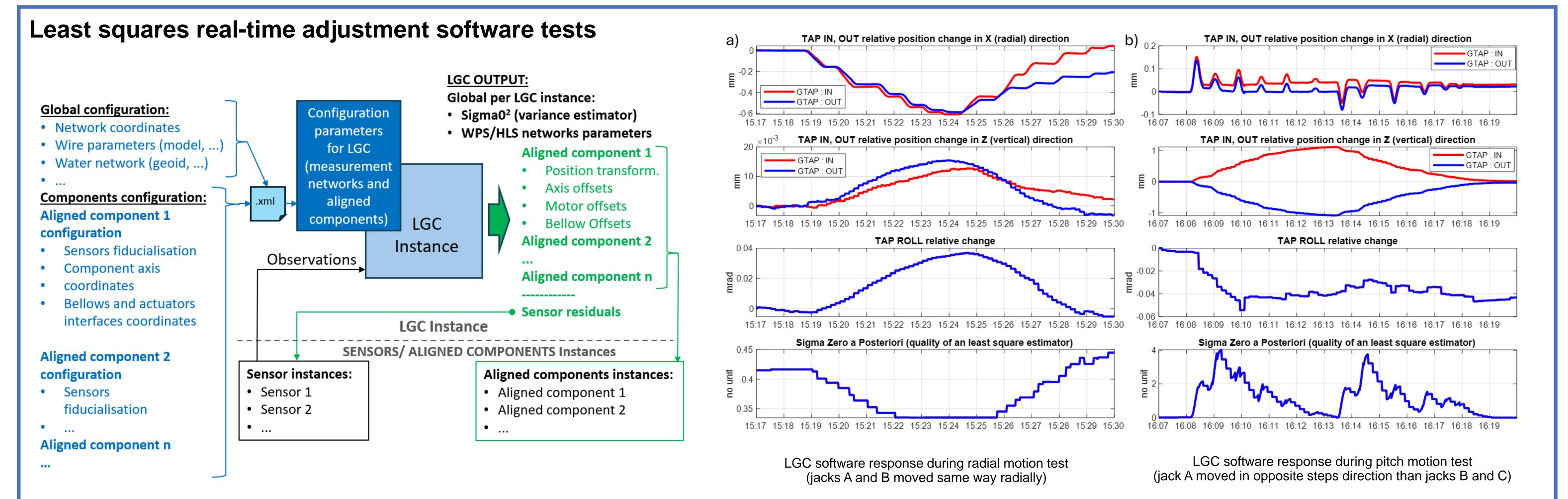
- Definition of responsibilities
- Detailed definition of interfaces
- Deliverables and milestones
- Qualification of solutions on individual test setups
- Cross-comparison between alignment solutions

Lessons learned:

- of FRAS Validation sub-components integration, installation procedures and networks routing
- System commissioning and rehearsal platform for control system upgrades
- FSI-based dynamic response tests.







SLAC, United States

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