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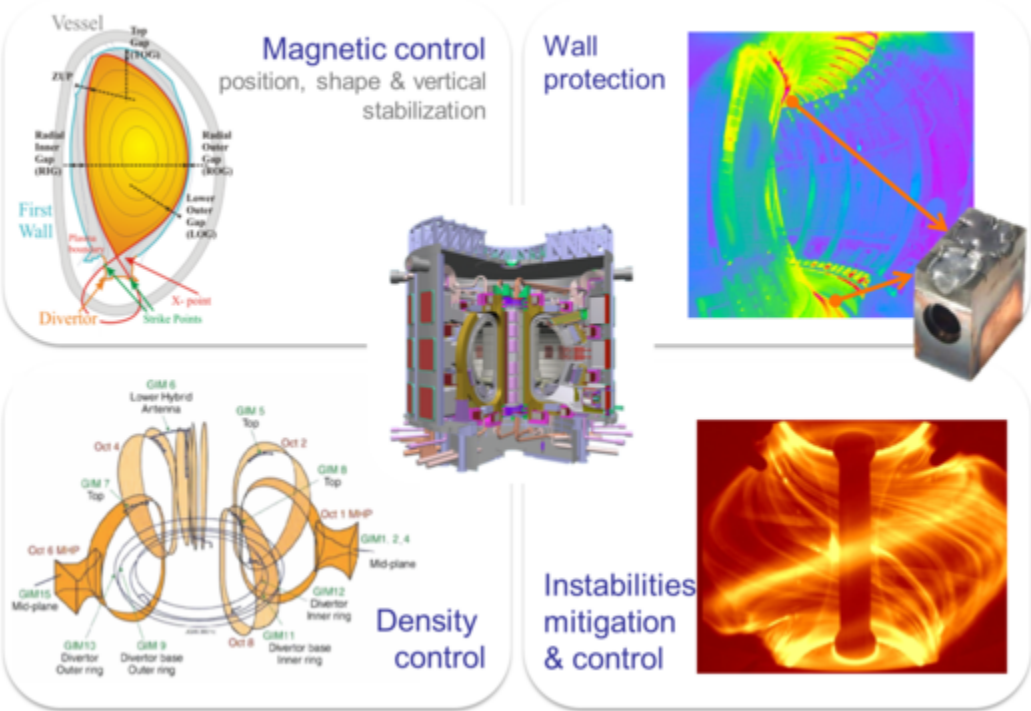
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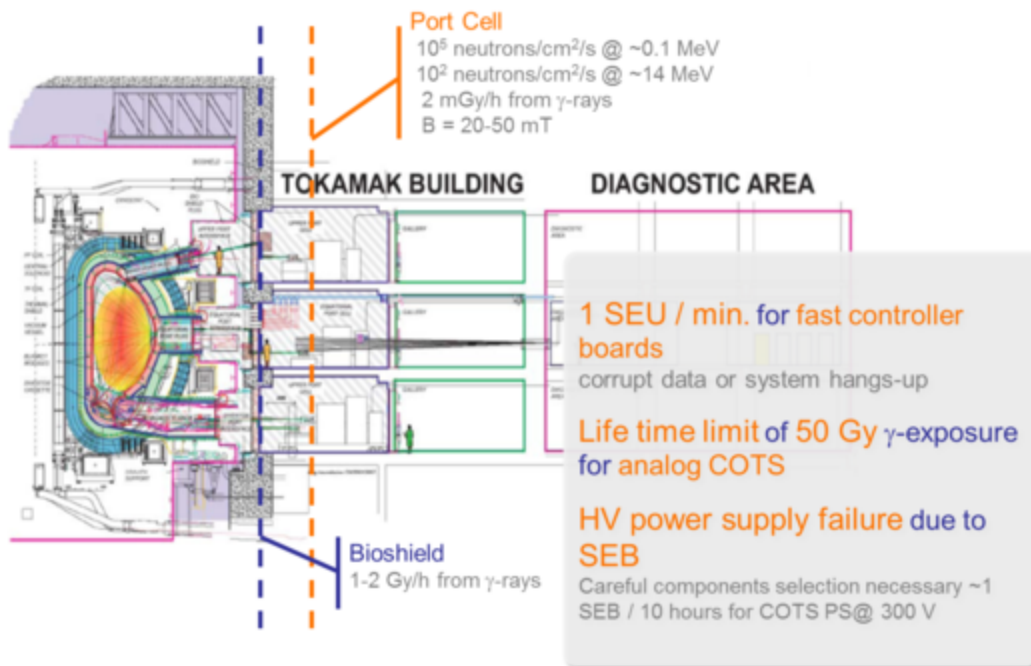
Control infusion plasmas

Control infusion plasmas is critical for safe operation and to achieve high performance.



ITER port cells radiation

Instrumentation in the ITER port cells are subjected to high level of radiation (neutrons and gamma-rays) and high magnetic fields.



High availability key pillars

- MIMO system | high channel density
- High-availability for long operation | very reduced downtime
- Serviceability | Remote hardware management, hot-swap, modularity
- Integration into CODAC | HMI, alarm handlers, databases
- Timing and Event management
- Modularity / Expandability
- High performance & Computational power | Real-time complex algorithms
- Redundancy | sensor level, system level, software/firmware level
- Fault detection and mitigation
- Resilience to errors
- Resilience to neutrons | Single Event Upsets
- Resilience to magnetic fields
- COTS availability