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Action Items

DOCUMENT THE DESIGN

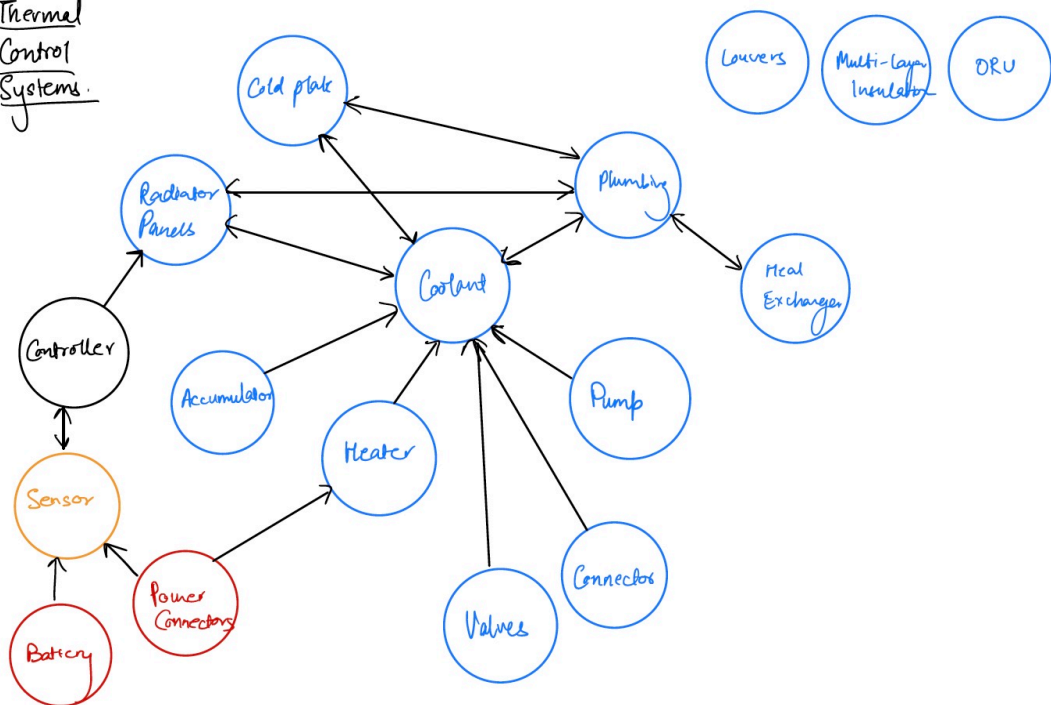
1. Model the external thermal control system
2. Model the internal thermal control system
3. Model different disruption types into applicable elements of external + internal thermal control system.
4. Complete functionality models for all the elements in the habitat - i.e. what do you want to model?
... and document it.

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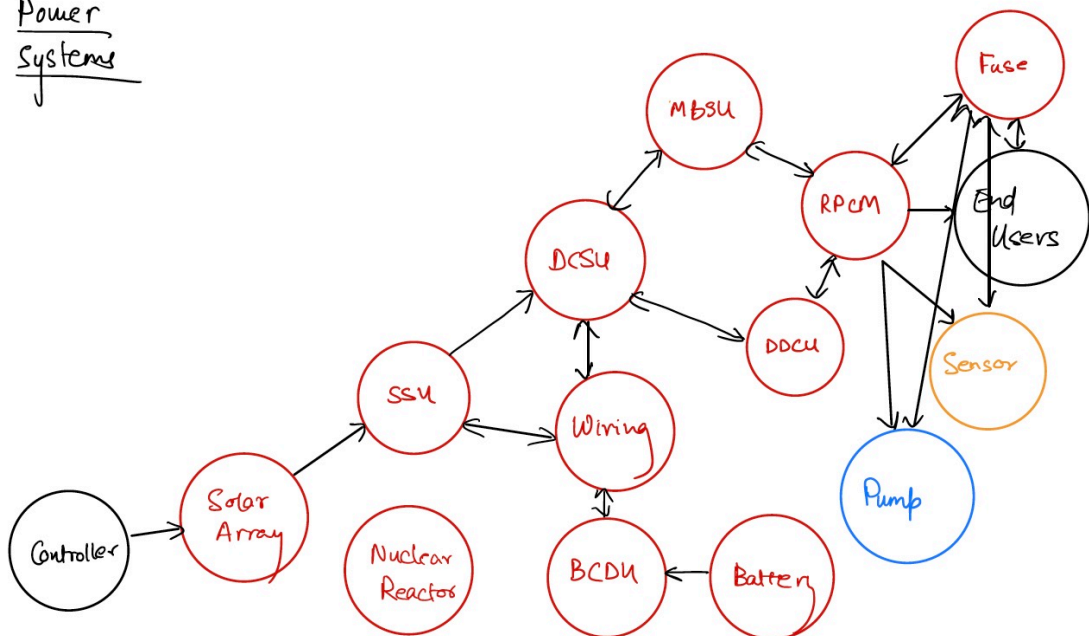
Control-Oriented Dynamic Computational Modeling Platform System Model.

- Thermal Control System
- Power System.

Thermal Control Systems



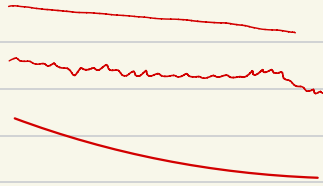
Power Systems



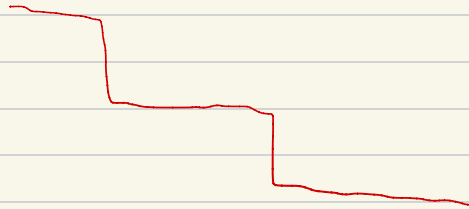
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Disruptions

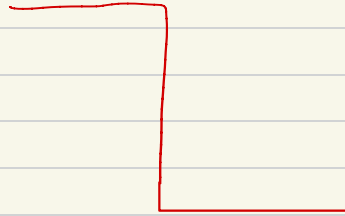
Continuous Health State



discrete Health State



binary Health State



instantiated by user
randomly instantiated by software

time restricted
time unrestricted

Safety Controls.

preventative

mitigative

periodic / conditional maintenance

safe mode operations

performance perseverance

interventive

component repair, recovery, replacement.