

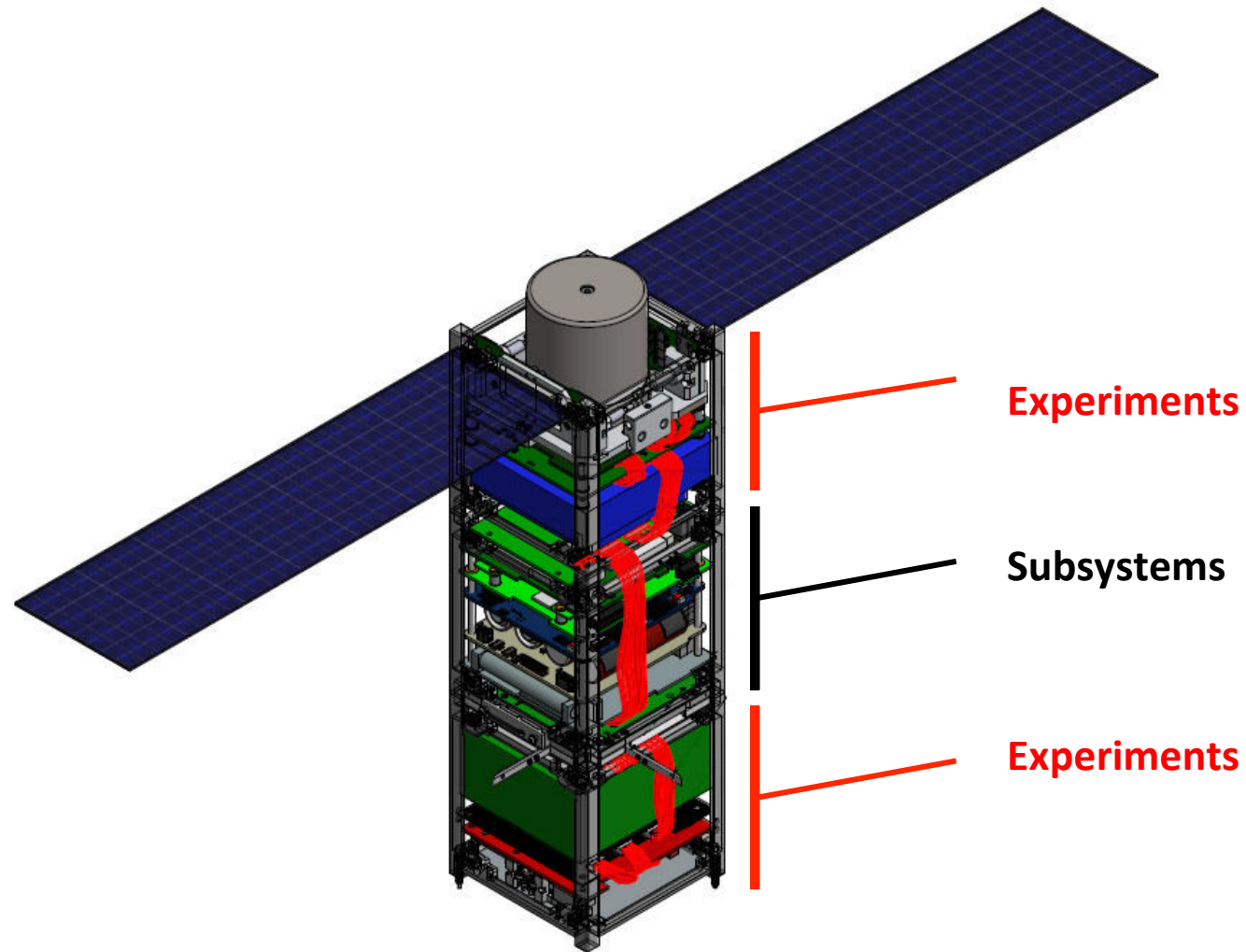
Context I: Space Systems

The MIST Student Satellite

- **Build and launch** a 3U Cubesat (≤ 4 kg).
- Project schedule \approx 4-5 **years**.
- **Engages students in** project courses or B.Sc. and M.Sc. Theses.
- **Payloads** by scientists (KTH et al), companies.

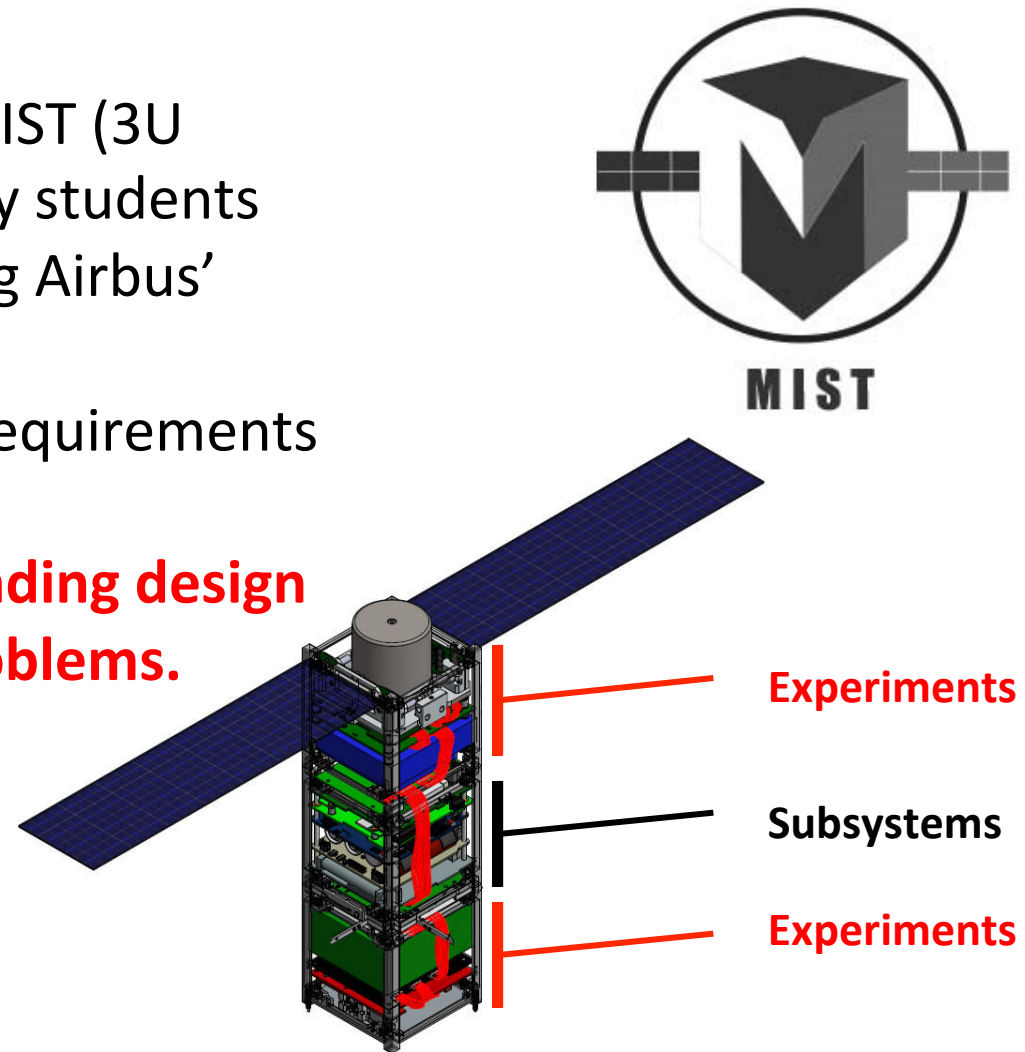


The MIST Student Satellite



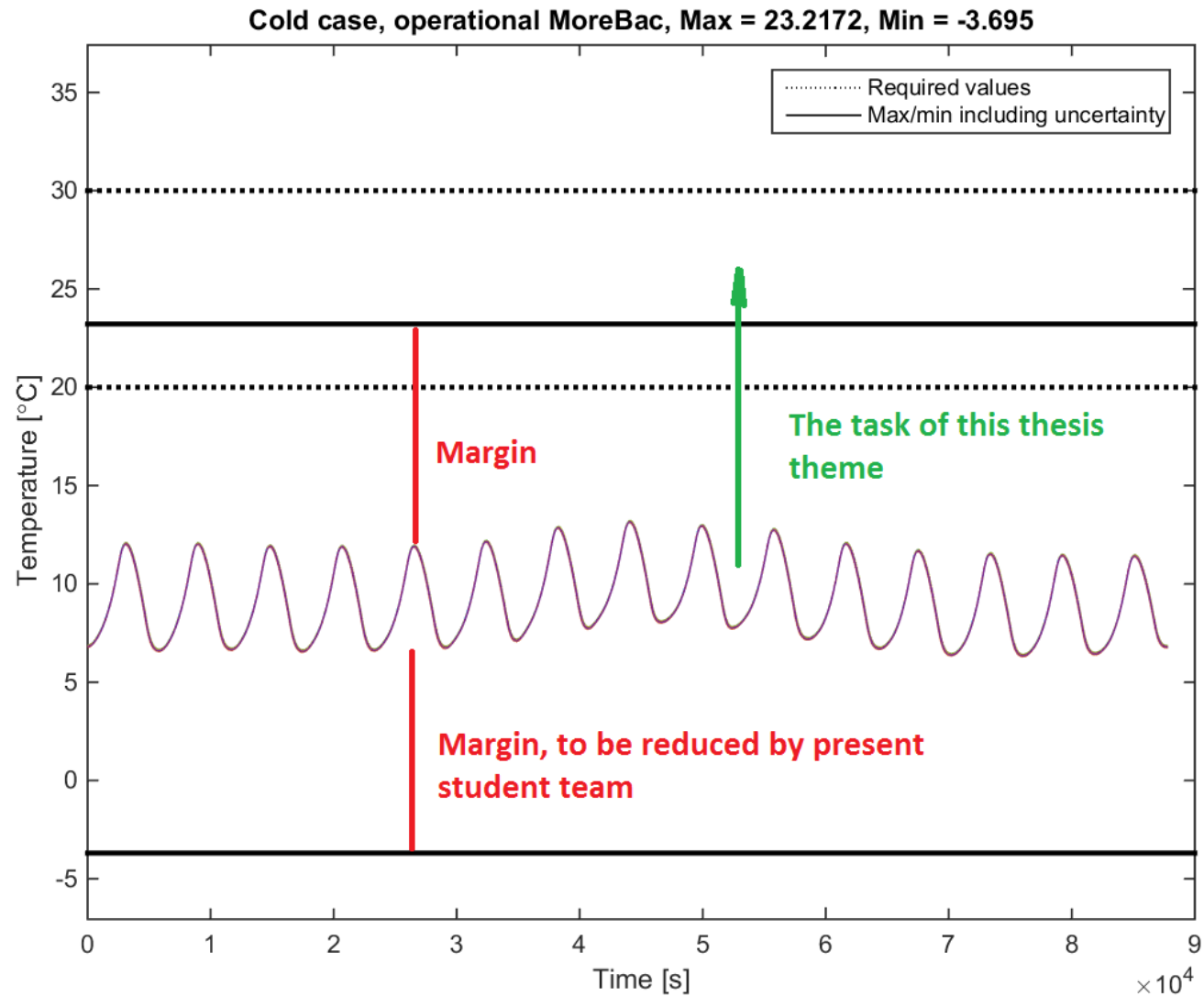
I1: Solving thermal design problems on MIST

- A thermal model of MIST (3U Cubesat) developed by students over 4 semesters using Airbus' Thermica software.
- Difficult to meet the requirements of experiments.
- **The thesis is about finding design solutions to these problems.**
- **Requires ingenuity!**

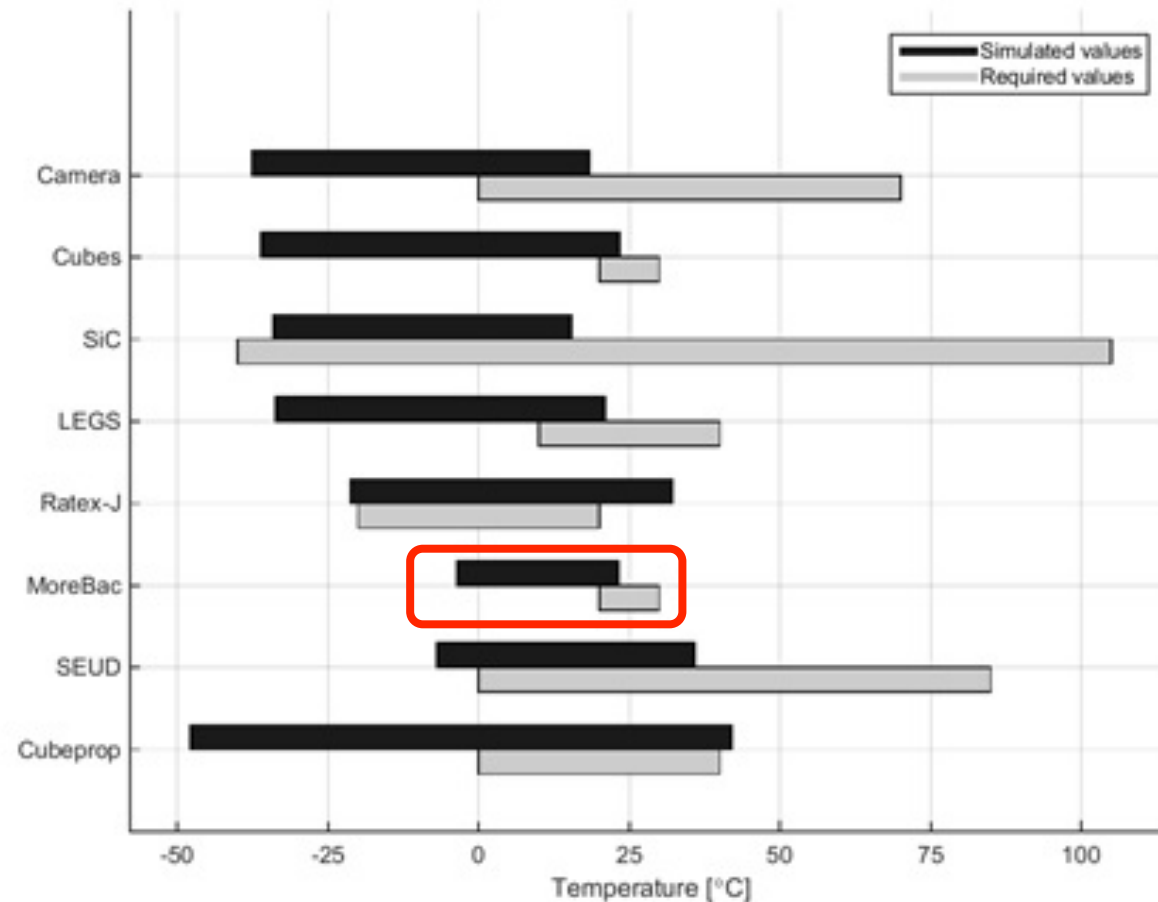


Supervisor: Andreas Berggren (andreasberggren@hotmail.com), Surrey Satellite Tech. Ltd.

I1: Solving thermal design problems on MIST



Solving thermal design problems on MIST



Cold operational case. Temperatures for MIST experiments.