

CLEARSY

Safety Solutions Designer

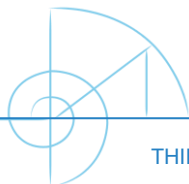
AIX
LYON
PARIS
STRASBOURG

WWW.CLEARSY.COM

Hackathon
JUL2025

Introduction

Thierry Lecomte
R&D Director

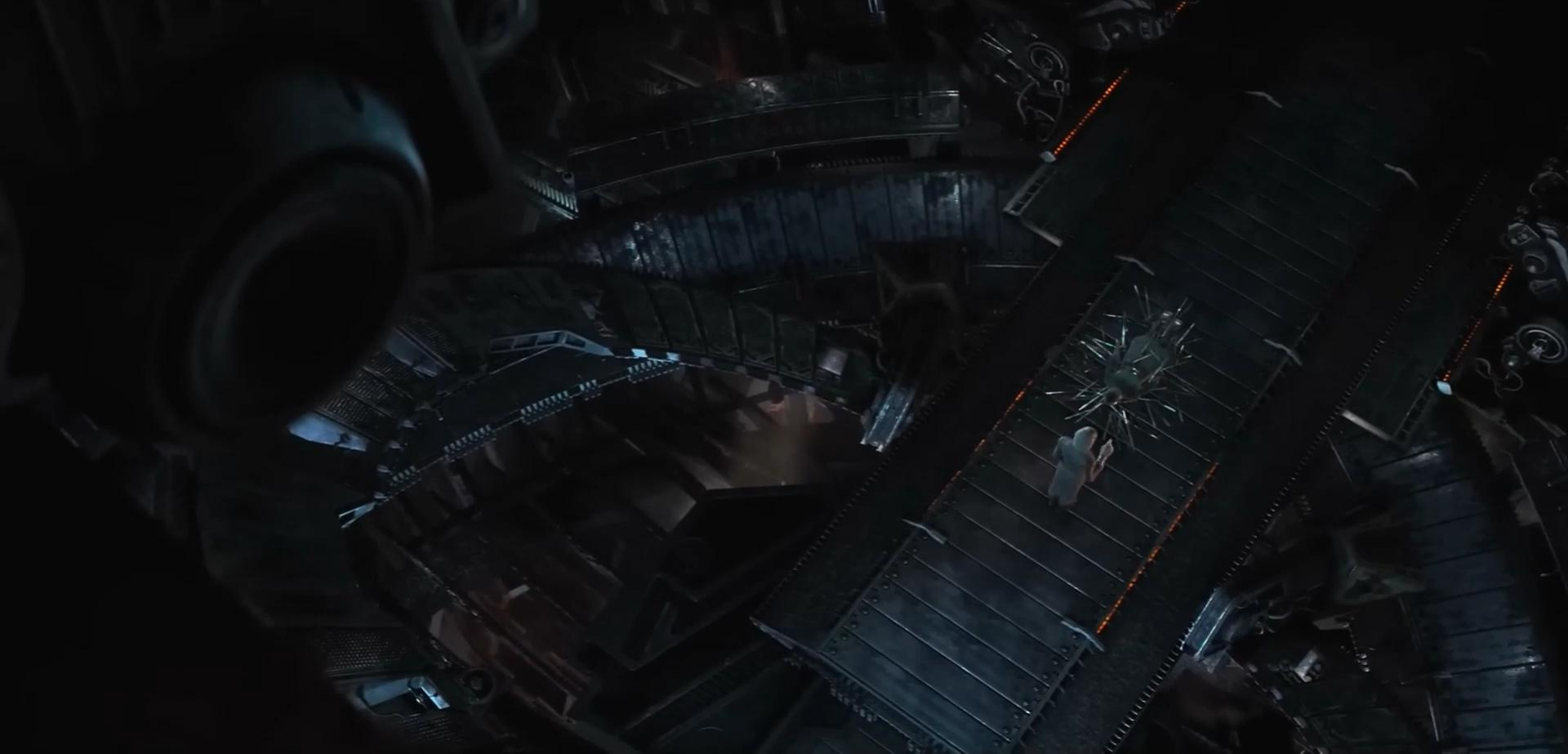


THIERRY.LECOMTE@CLEARSY.COM



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Situation to avoid (Dreaded Event)

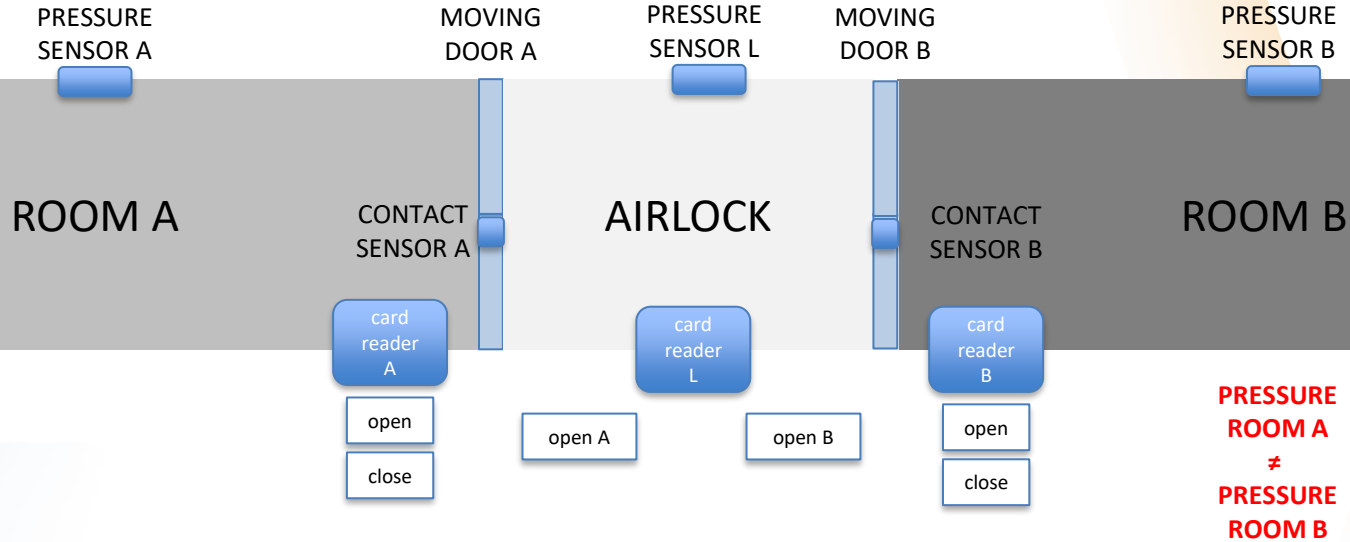


Airlock from Space Engineers game

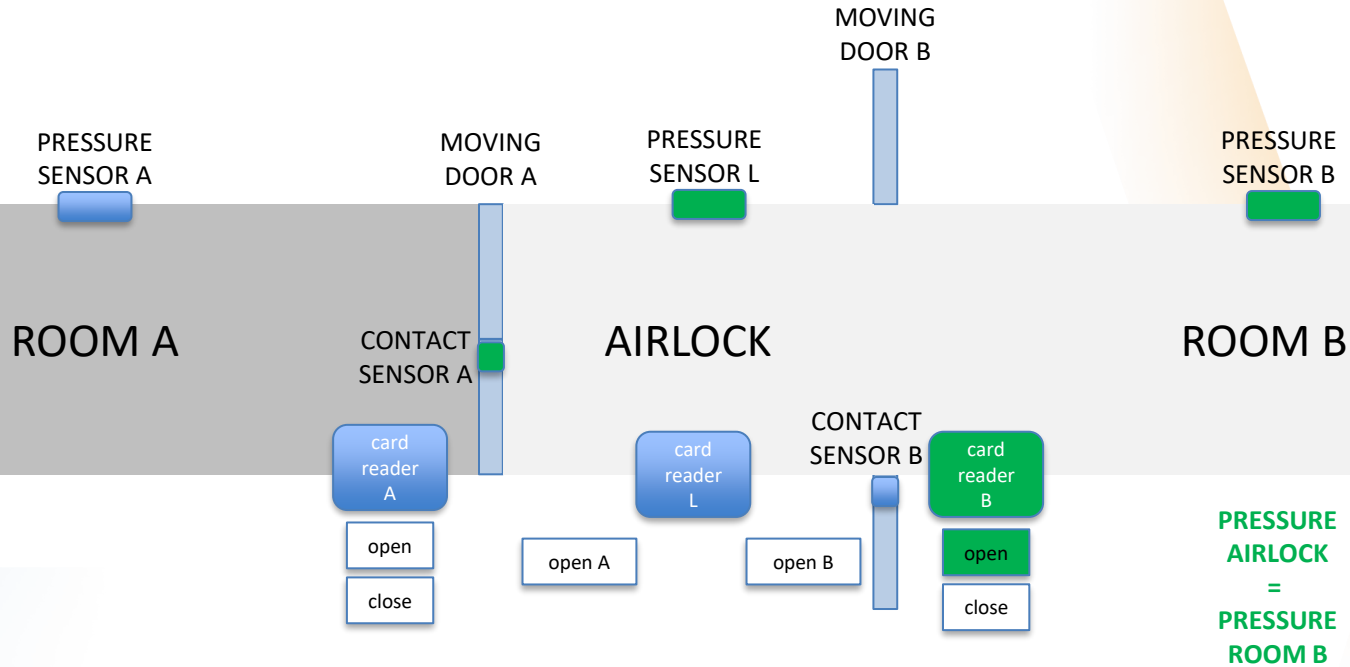


Airlock

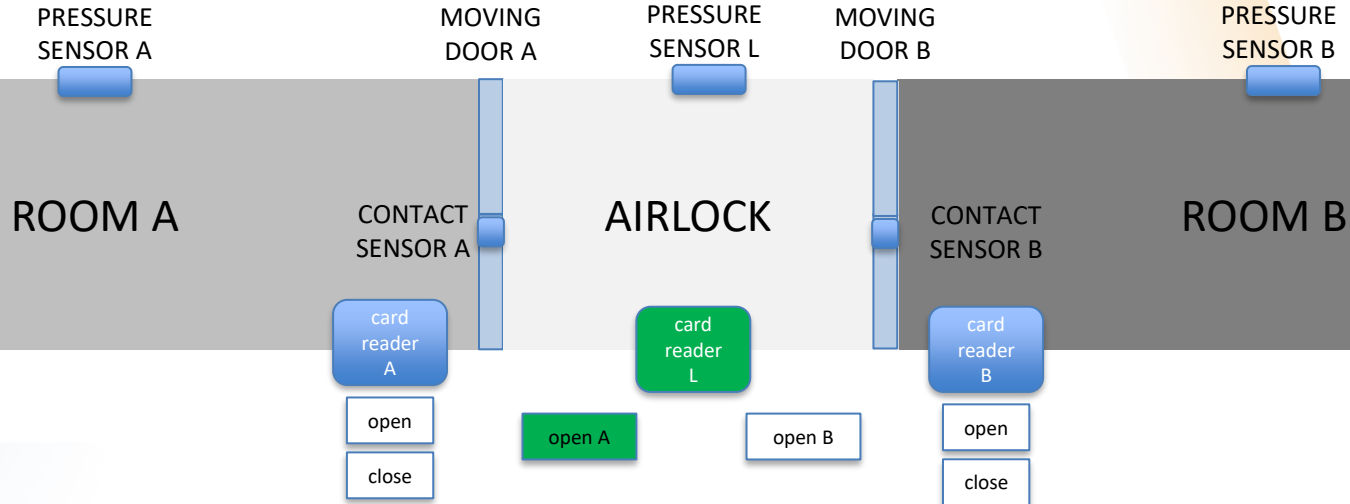
Seen from above



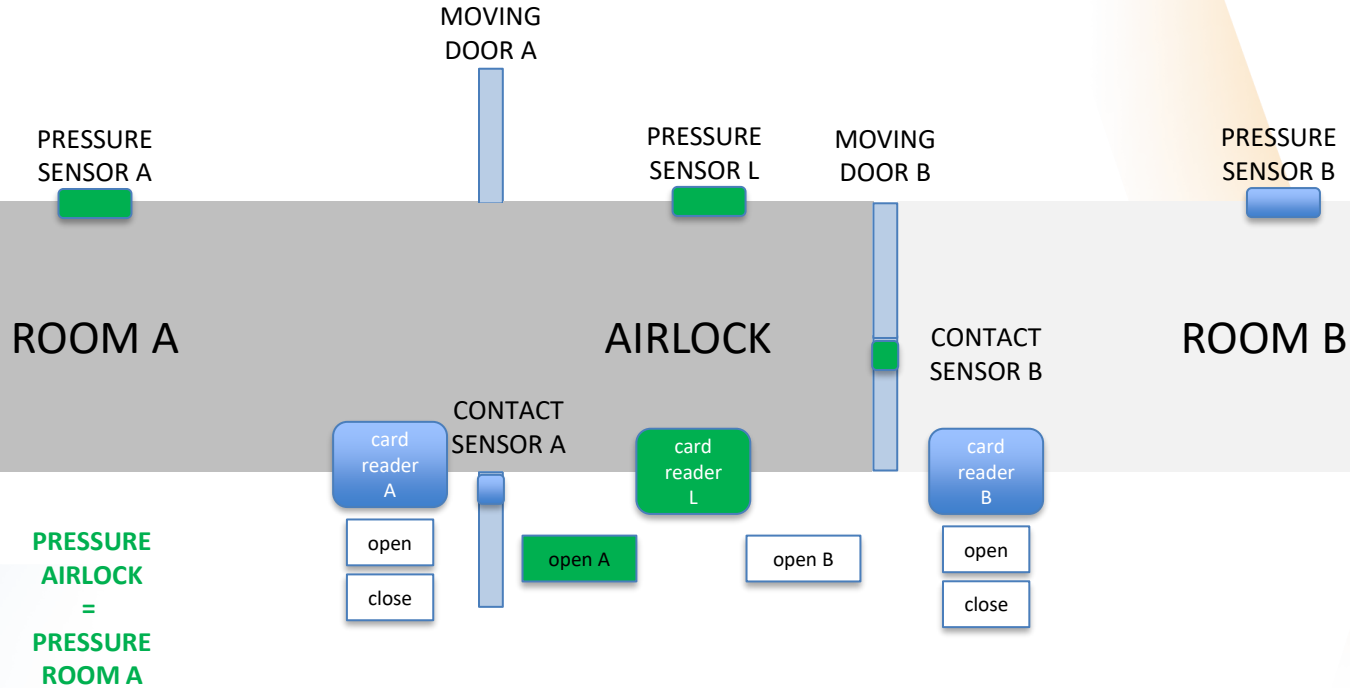
Airlock



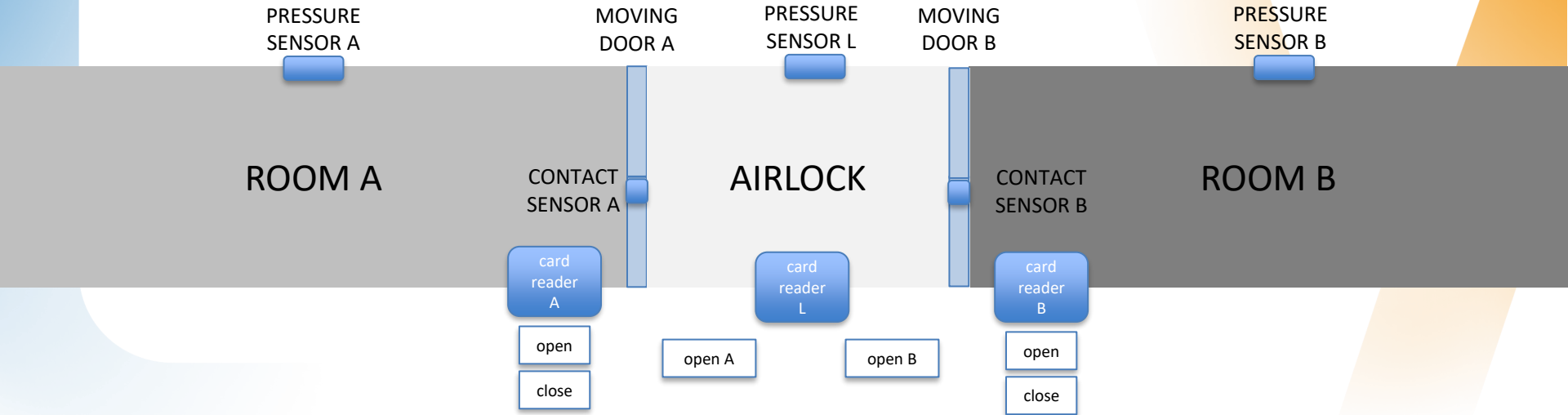
Airlock



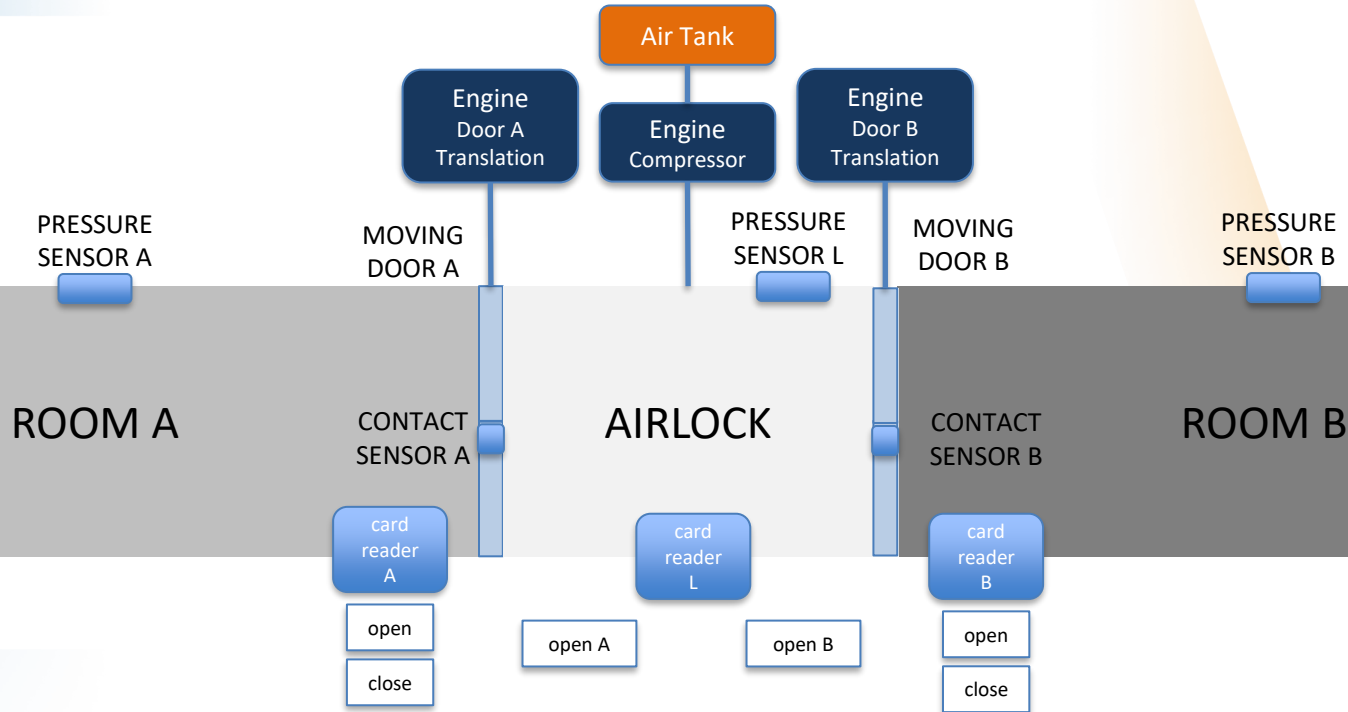
Airlock



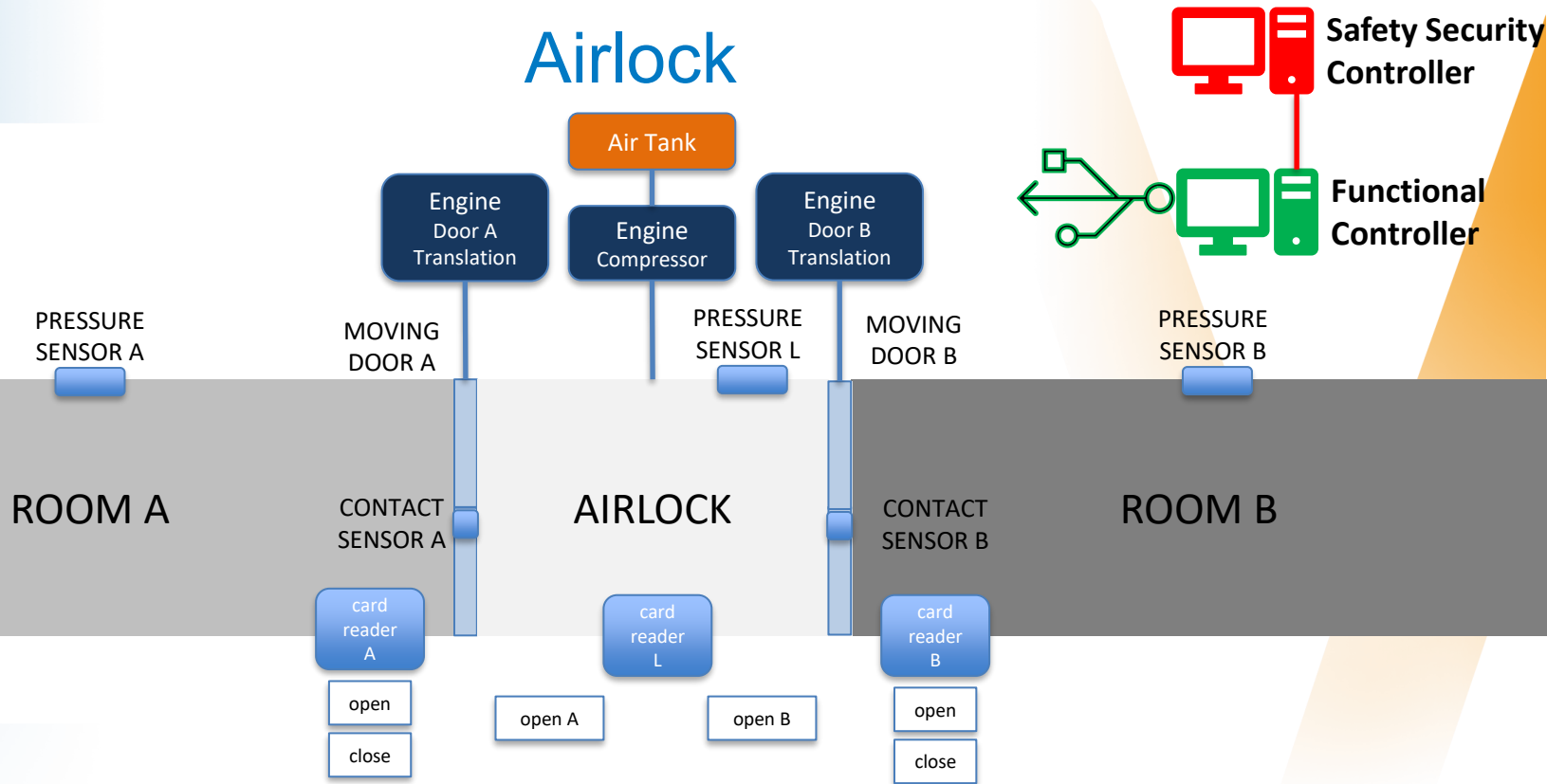
Airlock



Airlock

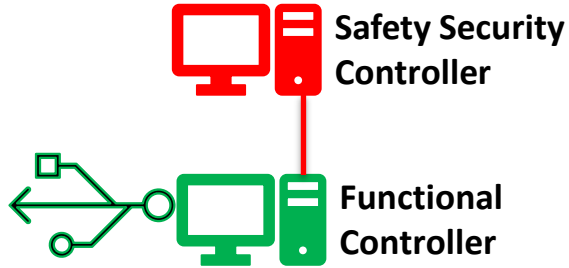


Airlock



Airlock

Avoid catastrophic situation



Ensure transfers between rooms

- Verify card authenticity (basic)
- Inhibit engine activation / deactivation
- Measure sensors
- Detect button pushed, card inserted
- Activate/deactivate engines

Safety and security oriented subject

- ▶ Access control
- ▶ Safety controller
- ▶ Sensing, activating
- ▶ Combining