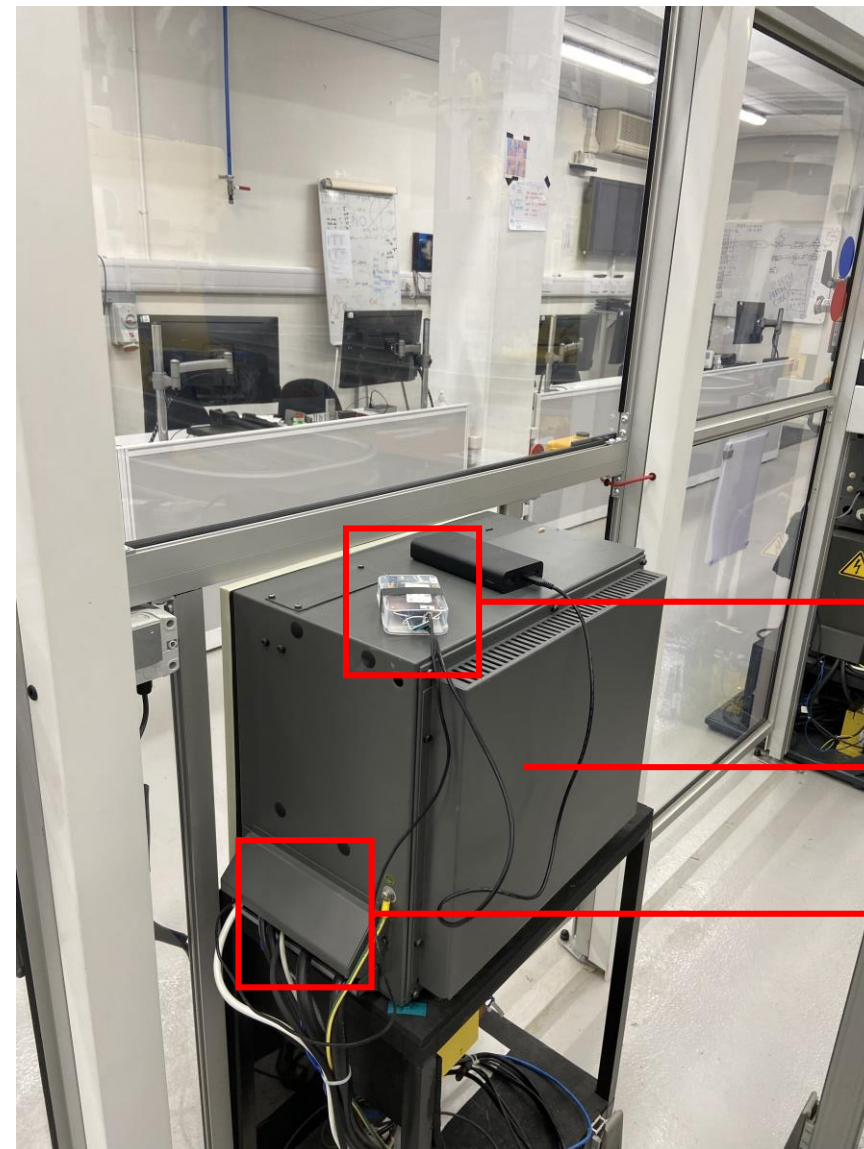
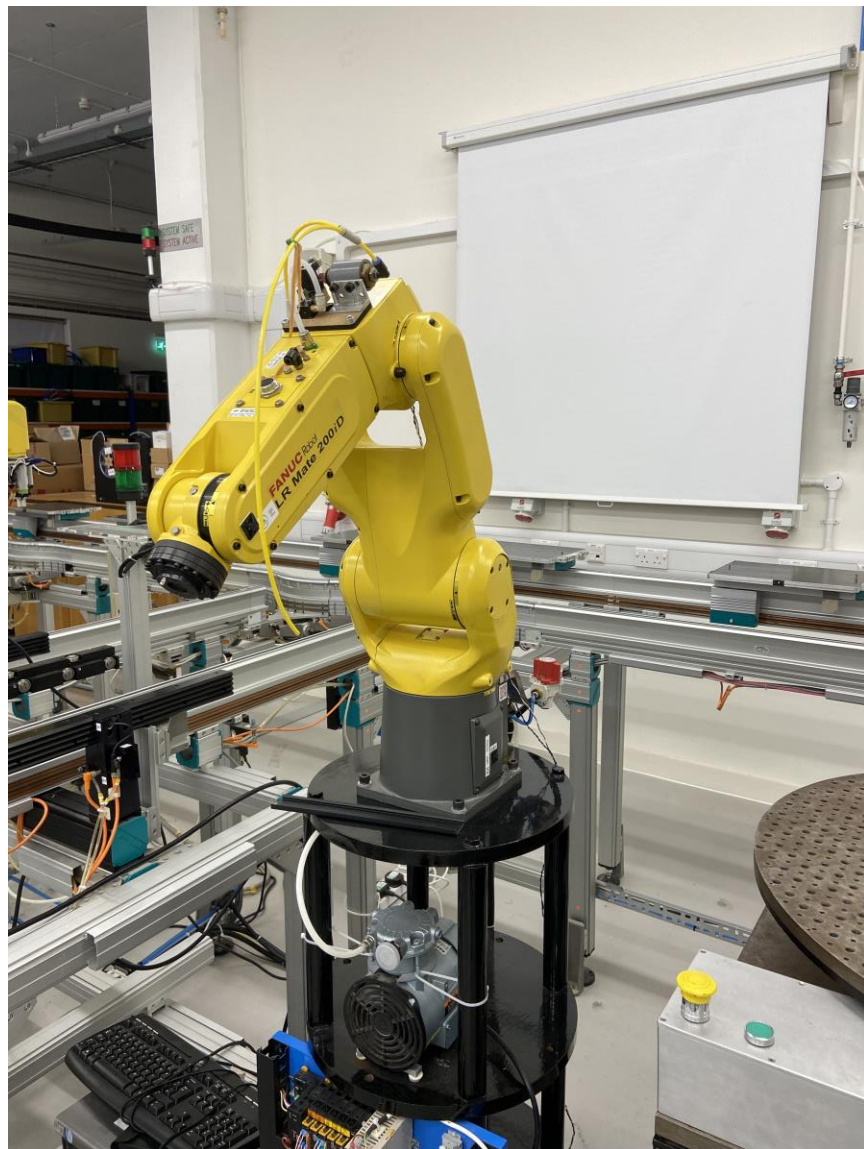


Hackathon

Robot Condition Monitoring

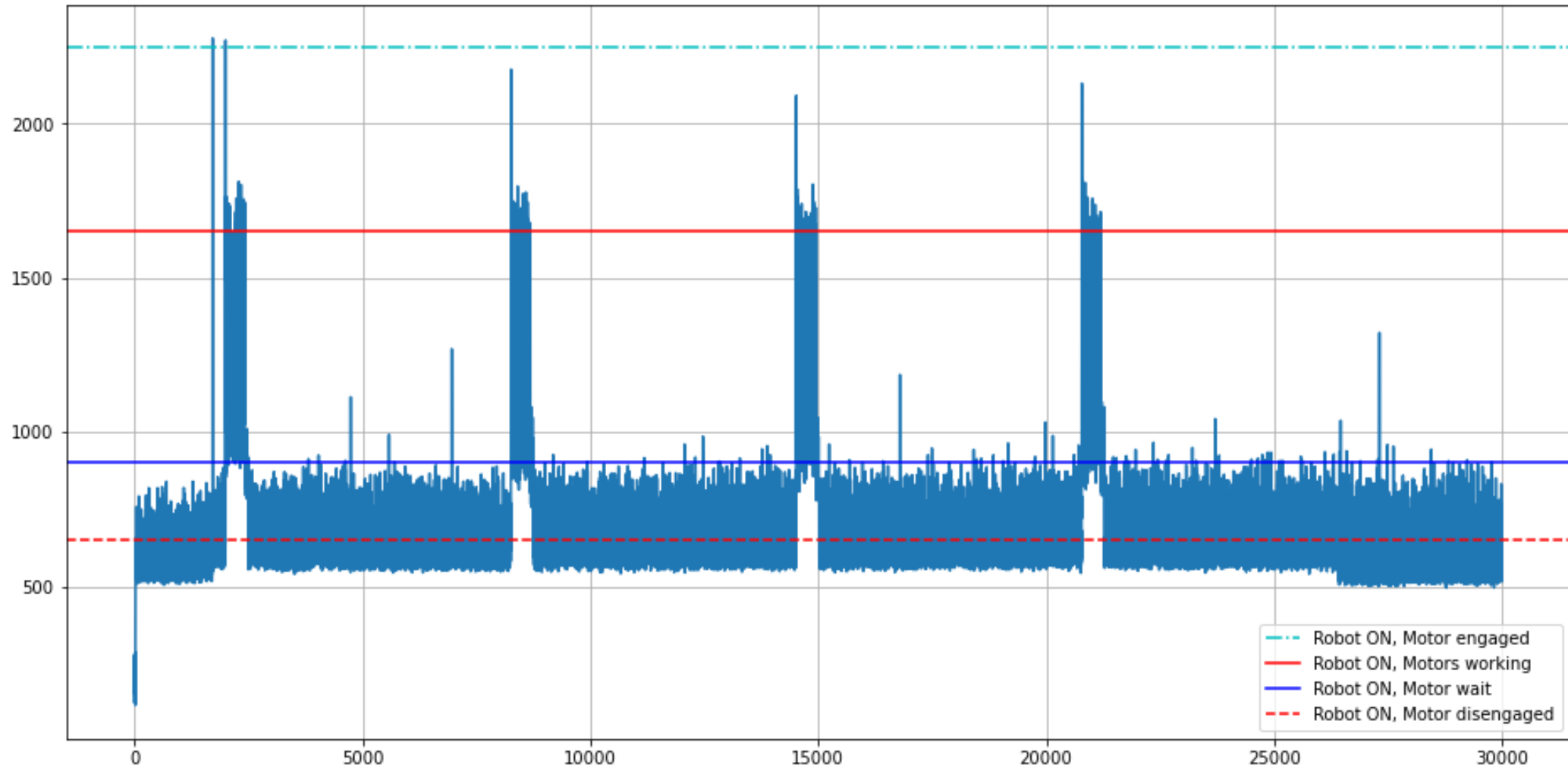


Conditioning circuit +
Wireless Transceiver

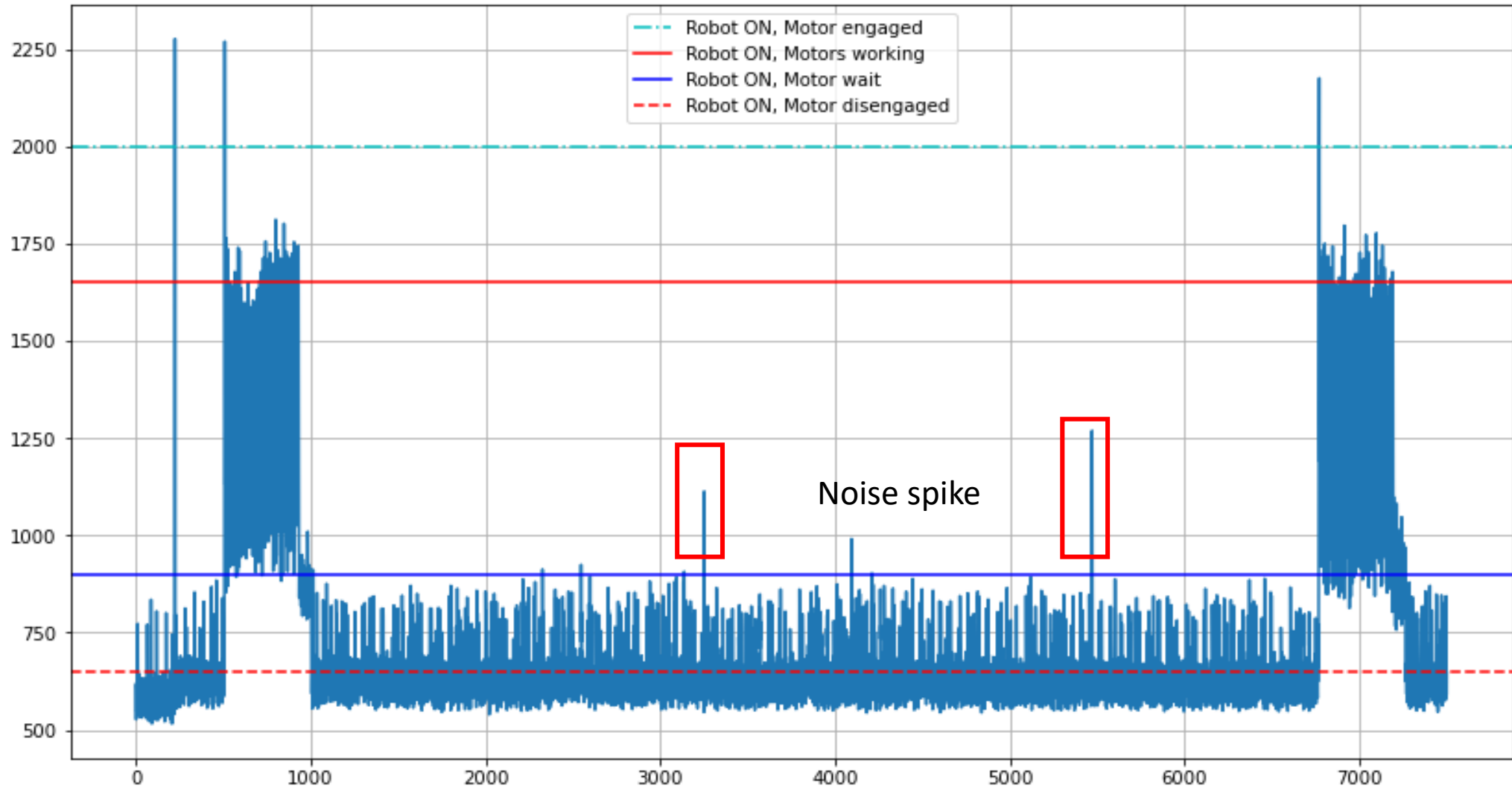
Robot controller box

Current sensor

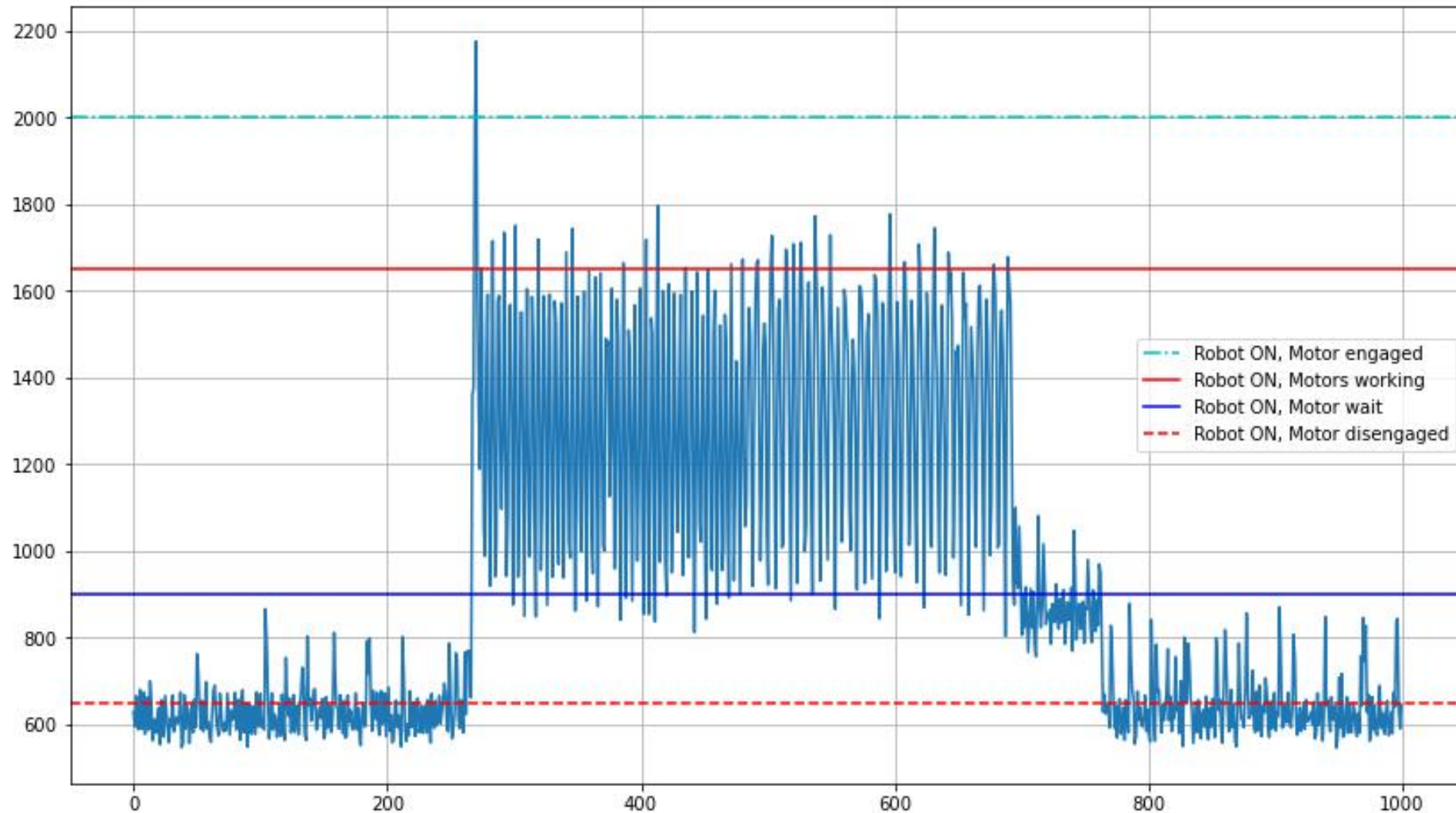
Robot Power Signal Dataset



Signals – Robot States

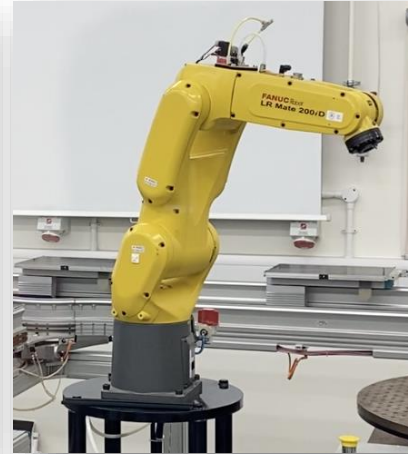
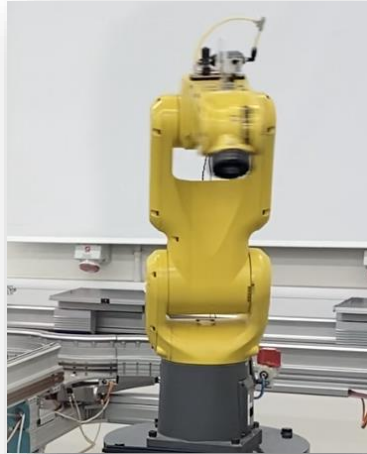
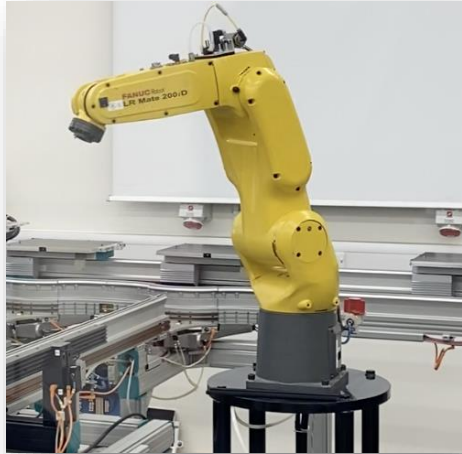


Signals – 1 Robot Action Cycle



Robot Physical Actions

Action-1



- Robot On, Motor working
- Joint-1 (base) activated
- Only 1 motor activated

Action-2



- Robot On, Motor working
- Joint-1,2,3 activated
- 2 motors activated simultaneously

Signals – Robot States

