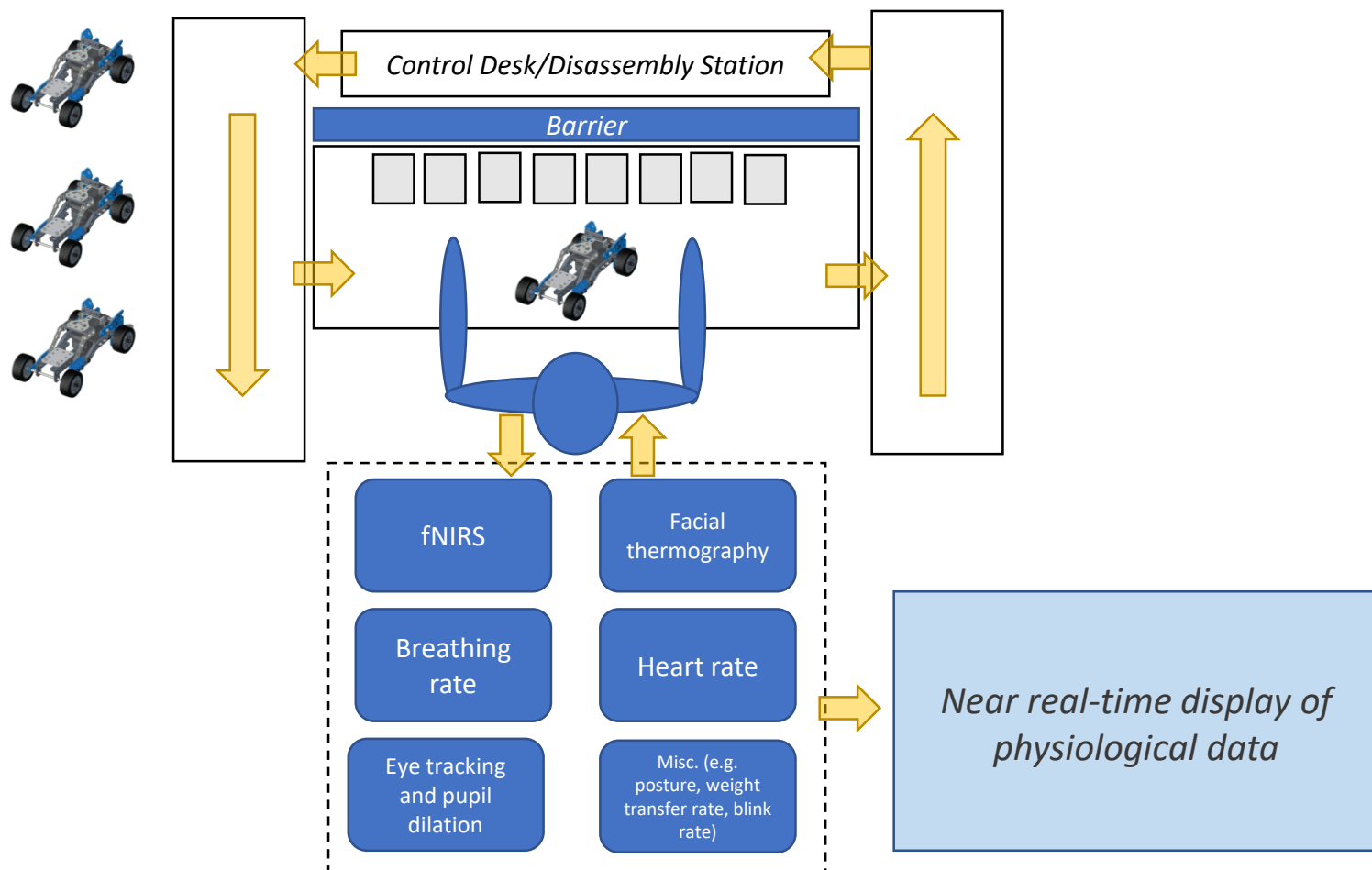
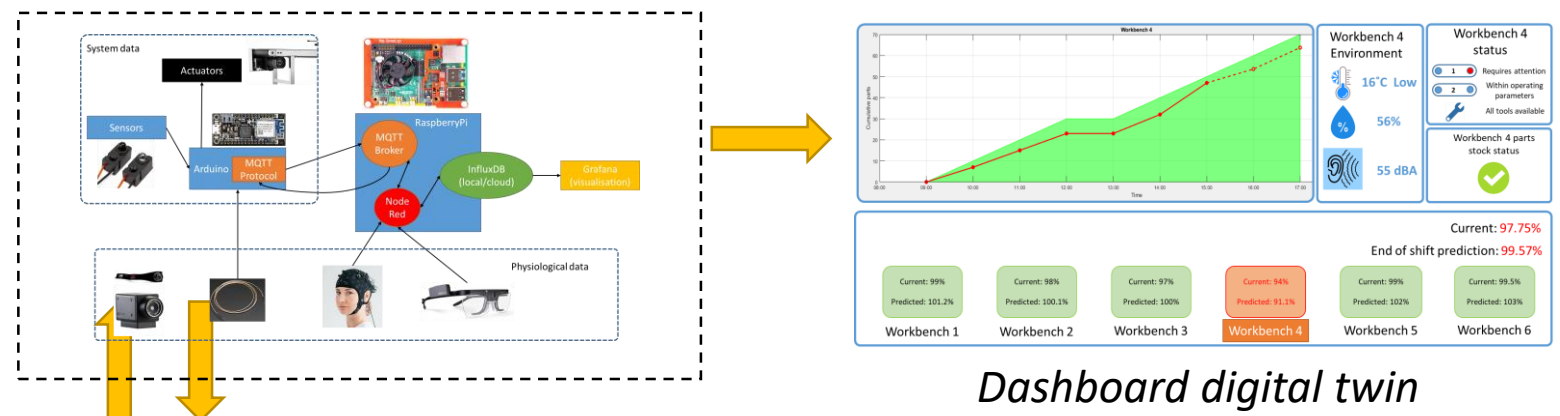


Instrumented Workbench and Digital Twin

Partner site: University of Nottingham | **Main scenario:** Oversight and Supervision

The Instrumented Workbench demonstrator reflects a type of assembly workstation involving paced production of multiple product variants, e.g. similar to certain areas within automotive manufacturing. Data is captured both from the operator in terms of their physiological experience and also from the production environment itself, which is reflected in a digital twin for assessing workstation status.



Equipment

- Heavy-duty workstation
- Automated conveyor belts (x2)
- Motion sensors and actuators
- Products for assembly
- Artinis Octamon+ fNIRS device
- Zephyr Bioharness 3
- FLiR Thermal Camera A65sc
- Eye tracking glasses

