Turnaround PPE Monitoring Design Checklist

Tick each item before contractors mobilise, and record any position that fails with its fix.

SITE _____ DATE _____ COMPLETED BY _____

01 Cameras And Placement

- [ ] Each gate camera reaches 262 PPM at the worker for helmets and 153 PPM for vests
- [ ] Tilt is 10 to 25 degrees, never past 35 for helmets or 40 for vests, never steeper than 45
- [ ] Approach view at the gates, using the 3.5 m mount, 6.0 m standoff and 22 degree tilt case
- [ ] Cameras are at least 2 MP at 15 fps, with 4 MP recommended
- [ ] A second camera is planned for every gate with two lanes of people

02 Light And Weather

- [ ] At least 50 lux measured at every PPE zone, after dark as well as by day
- [ ] White light provided where vests must be checked at night
- [ ] Outdoor camera cabinets rated IP66 and IK08
- [ ] Camera housings agreed against the site's electrical area classification

03 Network And Power

- [ ] Cameras on an isolated VLAN with no internet route
- [ ] Streams pulled from the cameras and never from NVR re-streams
- [ ] Server in a temperature-controlled room kept under 35 °C

- [ ] Server on a UPS with at least 15 minutes of hold-up

04 Rules And Privacy

- [ ] Required items set for each zone, and hazard areas drawn
- [ ] Monitoring runs anonymously, with face recognition left off
- [ ] Alert routing agreed for each gate supervisor and area supervisor
- [ ] Recording retention agreed with IT, 3 days by default

05 Turnaround Readiness

- [ ] Pilot finished and zones accepted before mobilisation
- [ ] Daily report recipients include the contractor coordinators
- [ ] First-week measures defined: alerts per gate, time to acknowledge, compliance by zone