

EIP159_Accelerating the Adoption of People-Plant Interface (PPI) Safety Technology in Major Infrastructure Projects

EIP159

ENA Basecamp 26



The Challenge is Growing

- The Pathway to 2030: A massive national upgrade to the UK's electricity transmission network.
- This means a huge increase in construction, heavy plant, and vehicle movements on our sites.
- More activity inevitably means more risk.



The Human Cost



Being struck by a moving vehicle is consistently a TOP 3 cause of fatal injuries in construction

Hazards On Our Sites



A Call For Innovation

What are we looking for?

We are seeking tested, triable, and scalable PPI technologies to pilot within our P2030 framework.



Innovate, Adopt and Adapt Technology

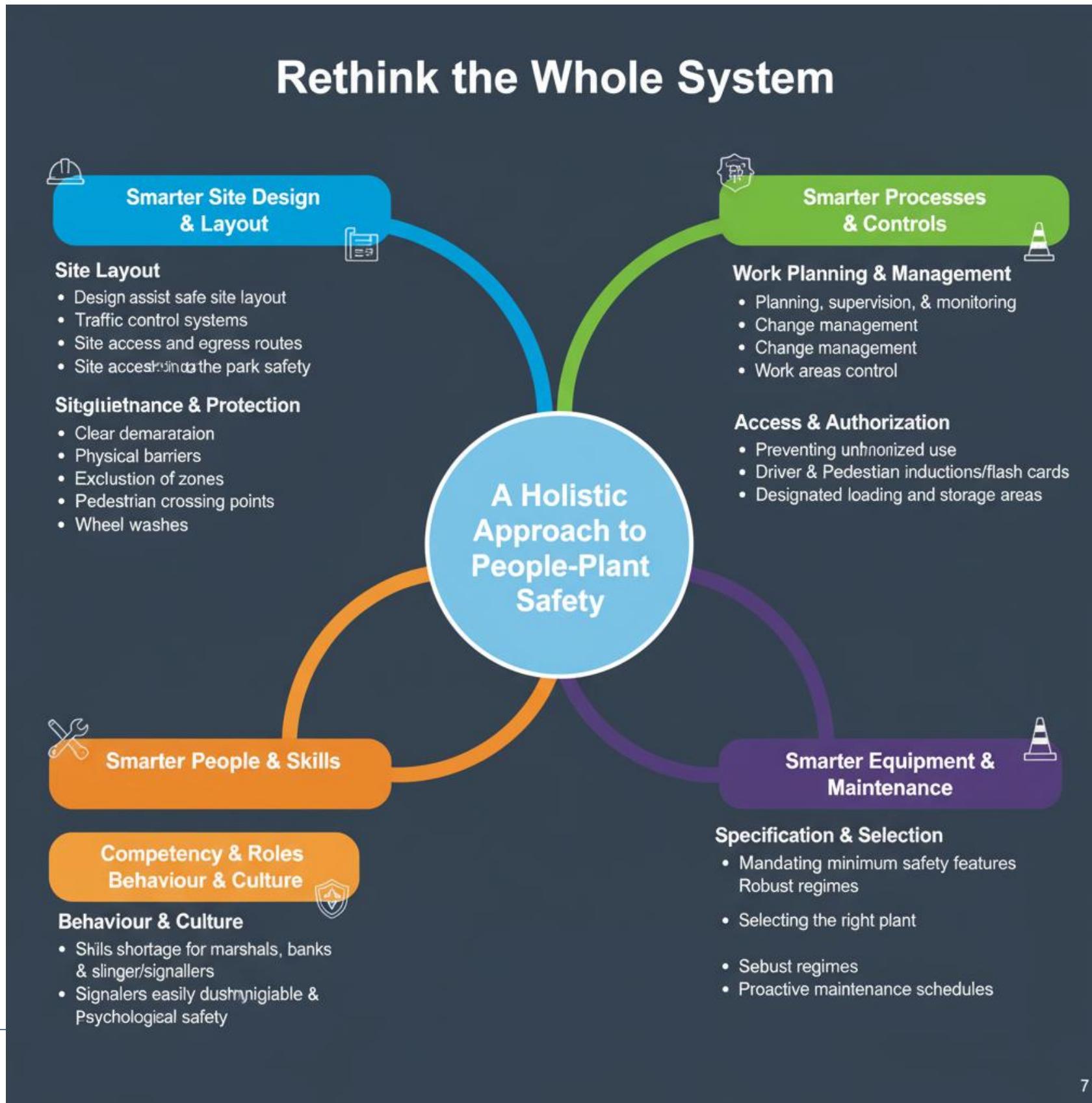
Technologies exist, but adoption is inconsistent.

- 360° / HD cameras
- AI & data analytics - Human Form Recognition
- Thermal Imaging & Infrared cameras & systems
- Video telematics
- Radar detection
- 3d special awareness
- Digital telecommunications
- Digitised thumbs-up
- Wearable imaging & Smart PPE



Are there proven solutions from other high-risk industries like aviation, manufacturing, defence, or the science industry that we can adapt for our sites?

A Call To Action - Building Safely Together



EIP159: The Pilot Programme: Our Collaborative Testbed

Trial: Select 2-3 distinct technologies for a 12-week pilot on active P2030 sites.

Analyse: Collaboratively collect data on effectiveness and usability.

Recommend: Produce a formal report for our Steering Group to drive adoption