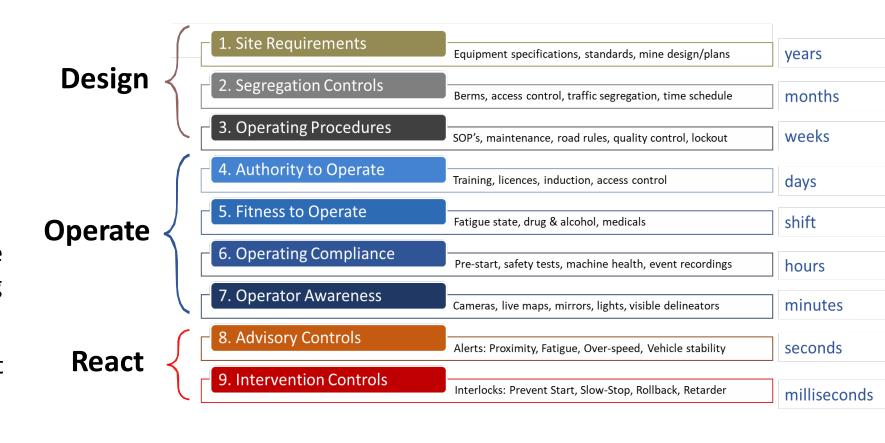
Key Concepts – The EMESRT Nine Layer Control Effectiveness Model

Reframing our understanding of Vehicle Interaction Controls

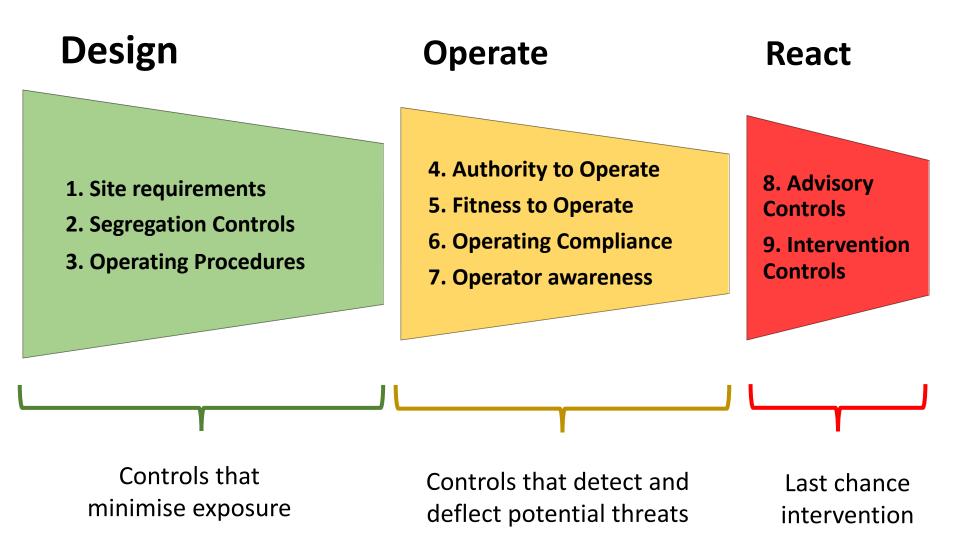
Strategy Relevance

- A foundation concept
- Dynamic interdependence between control levels
- Control categories operate in different timeframes
- High dependence on real time human factor decision making
- To implement Level 8 and 9 controls well, you need to first understand your Level 1- 7 control baseline

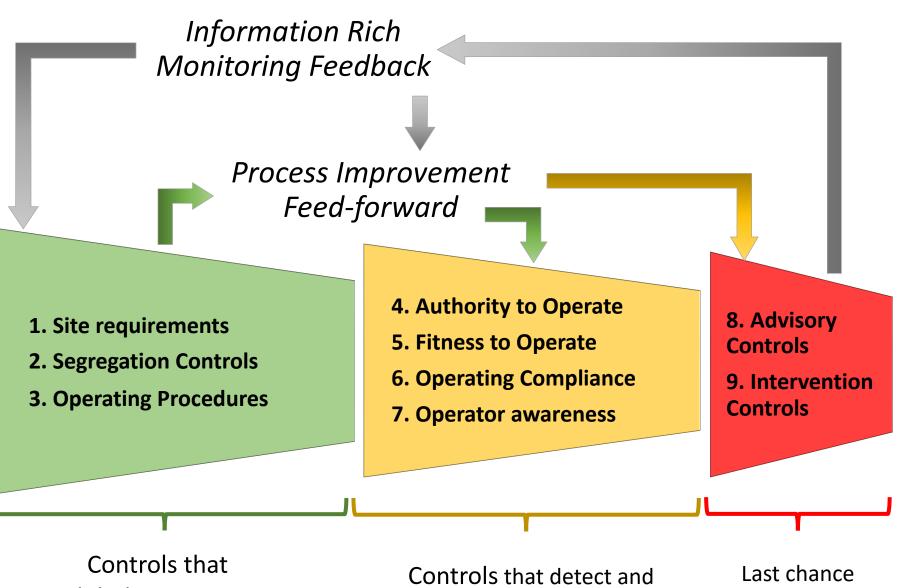


Foundation Concept

The EMESRT Nine Layer Model of Control Effectiveness *Time* phased prior to a Vehicle Interaction Incident (all PUE outcomes)



Environment PUE 3 Collision PUE 1 Loss of Control PUE 4



minimise exposure

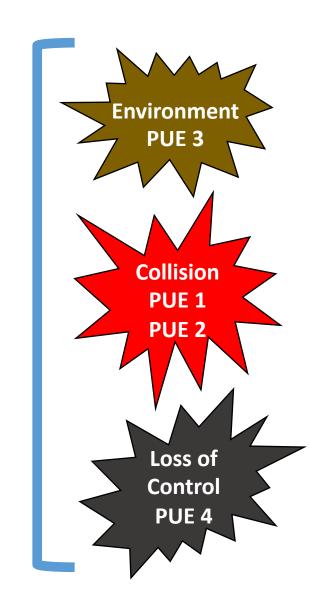
Design

deflect potential threats

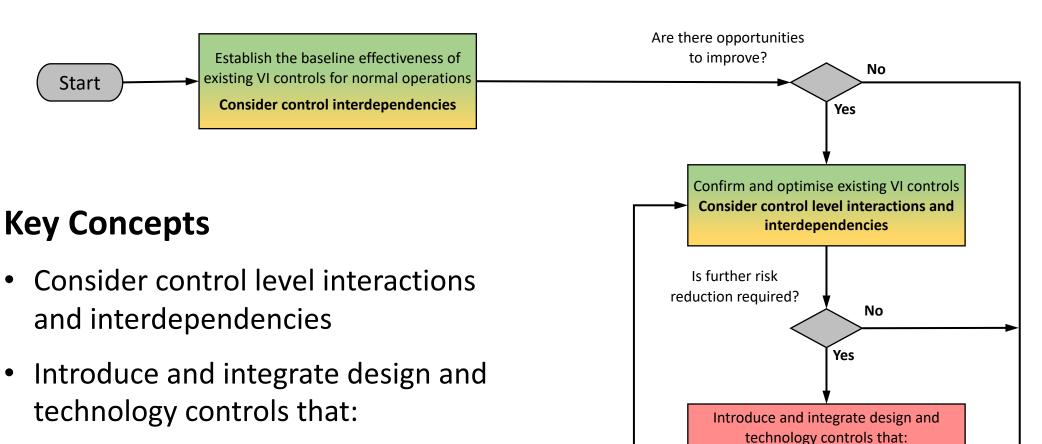
Operate

intervention

React



2020 EMESRT General Industry Project Delivery



Improve current practice Replace current practice

Consider control interdependencies

Review Periodically

- Enhance current practice
- Replace current practice

