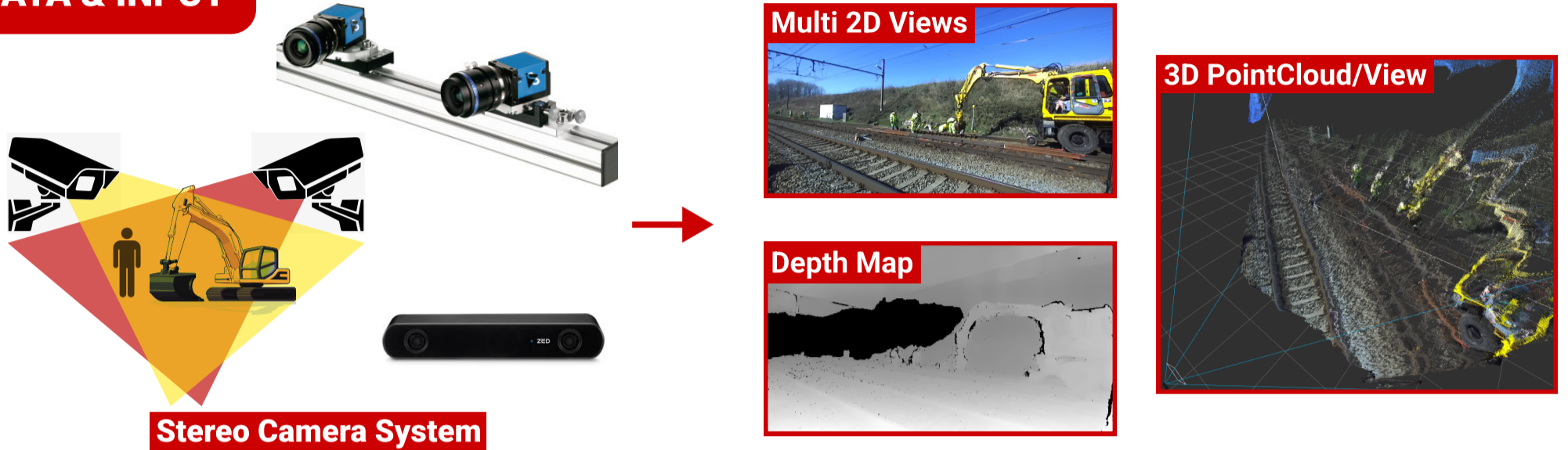


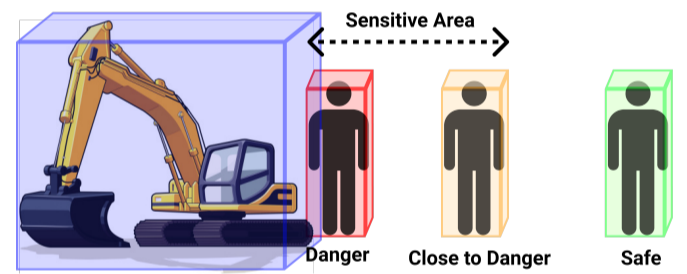
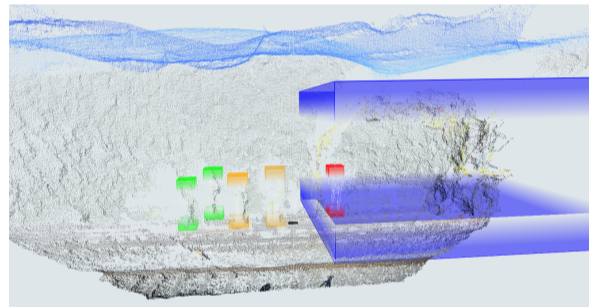
DATA & INPUT



DETECTION & PREDICTION

1 - Detect objects and positions accurately in 3D space

2 - Calculate distances & look out for danger



Next : Predict danger 3~5 seconds before it happens to notify people or halt systems

DEPLOYMENT

**Streaming 3D Views to a Server
Using NVIDIA Jetsons**



ADAPTABILITY & ONLINE LEARNING

New Environment, Actions or Objects



Online learning to update current models and improve them, in real time, in production

Explain retrained models for performance and accuracy verification by experts & analysts

GOALS

- Explainable production ready danger detection and prediction
- 3D environment reconstruction for detection, logging & analysis
- Ease of deployment & certifiability