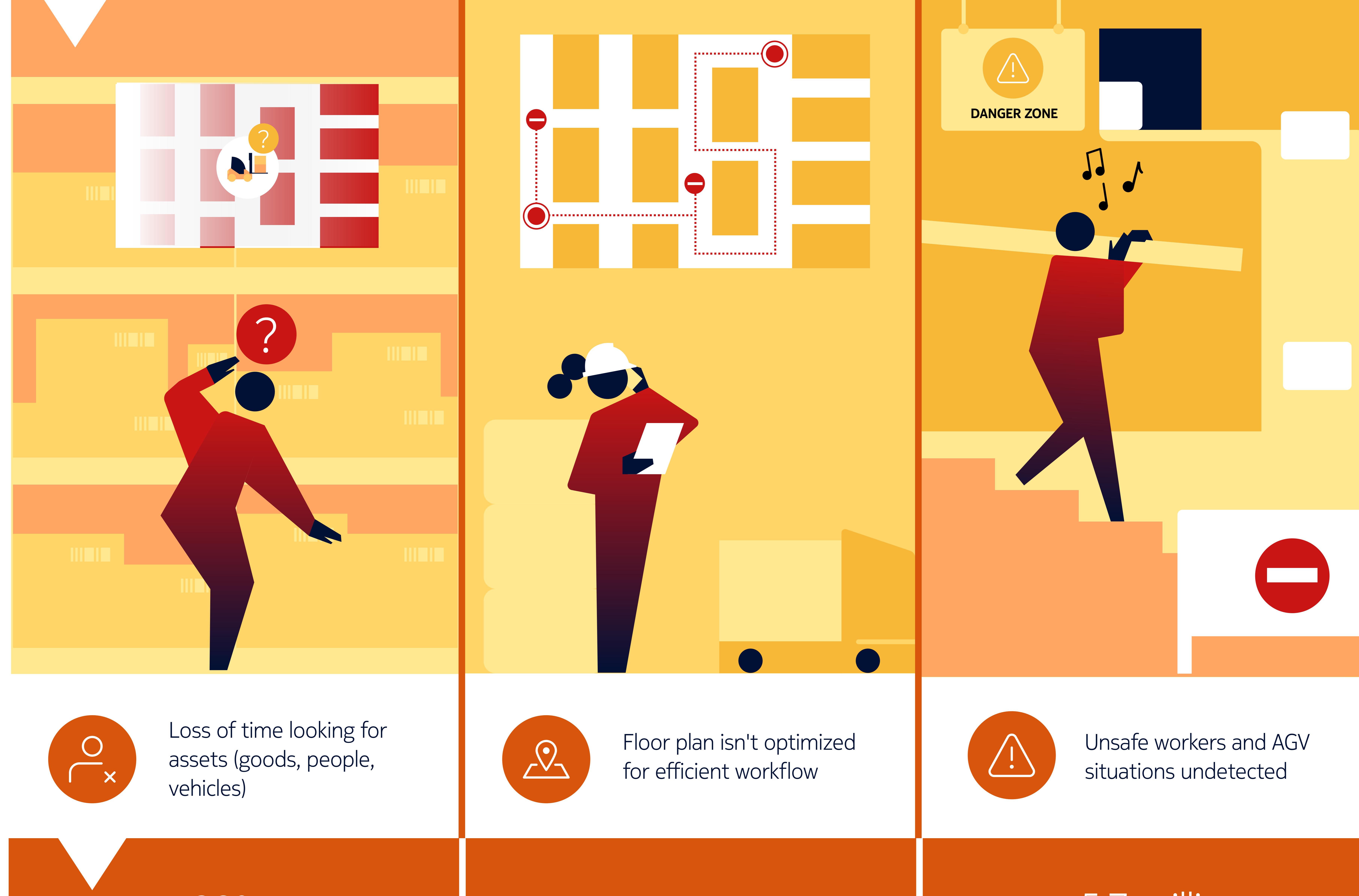


Lack of real-time and historical indoor location data leads to:



Loss of time looking for assets (goods, people, vehicles)

20%

of enterprises' time is spent searching for tools.¹

Floor plan isn't optimized for efficient workflow

Unnecessary route delays of only 10 minutes a day amount to 40 hours of lost productivity over the year, per worker or vehicle.

5.7 million

non-fatal work incidents occurred in the EU and US in 2021 alone.^{2,3}

Benefits of this technology



Highly accurate, cost-effective and low-energy Bluetooth solution

- 2D/3D positioning with AoA arrival method
- Up to 30 cm accuracy
- HAIP tags outperform other high-precision tag (cost, battery life, robustness)
- Total cost of ownership lower than ultra-wideband (UWB) with similar accuracy



Easy to deploy, access and maintain managed service

- Simplified deployment and activation through the Nokia Digital Automation Cloud dashboard
- Ongoing maintenance and automatic software upgrades
- Deploy and forget – once calibrated no need to tweak
- Data resilience by customer configurable daily backups

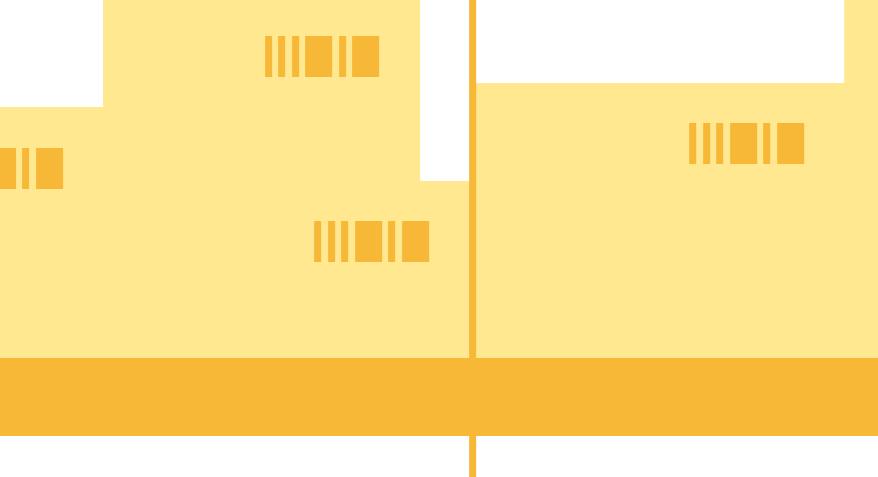
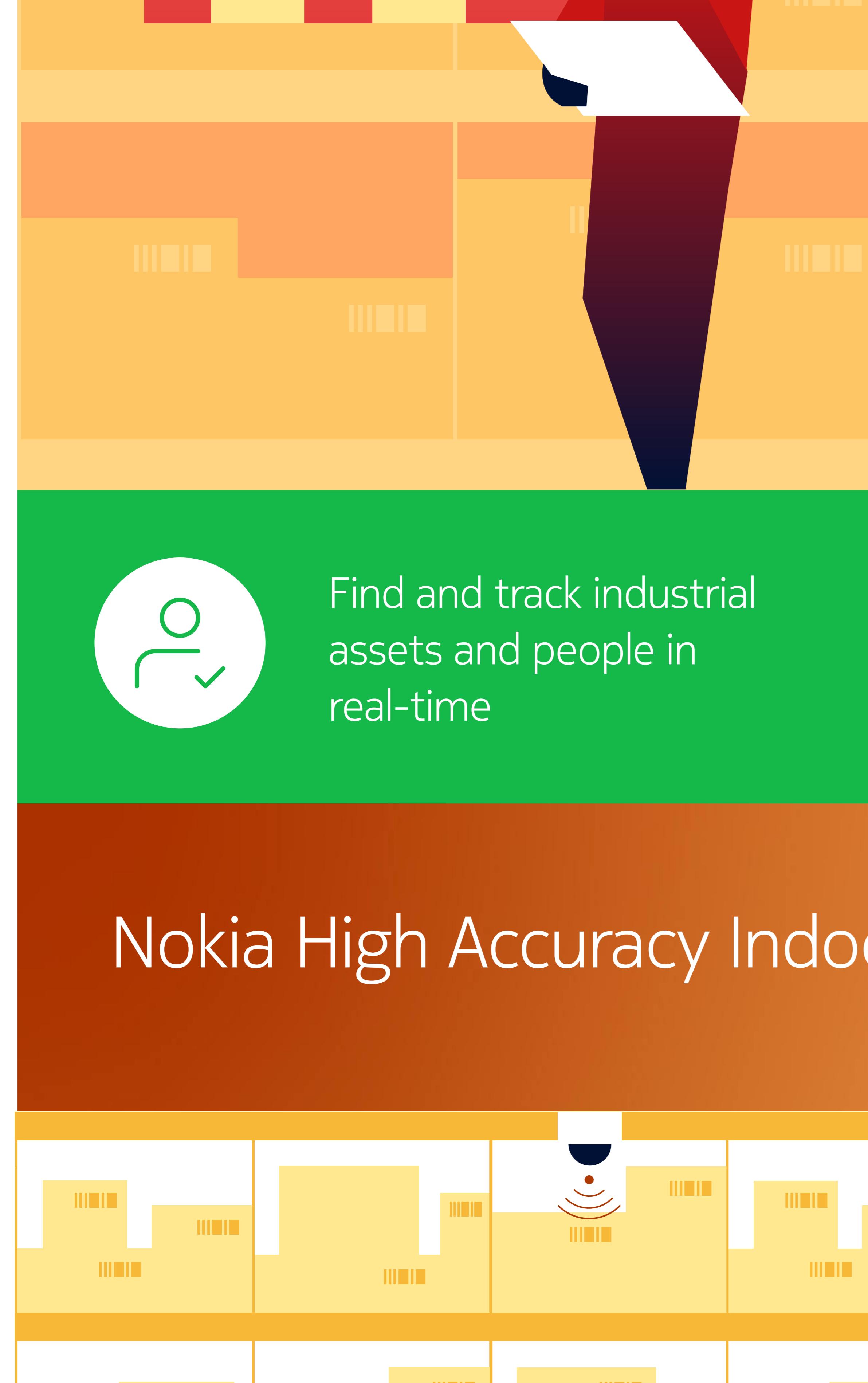


Benefits from MX Industrial Edge

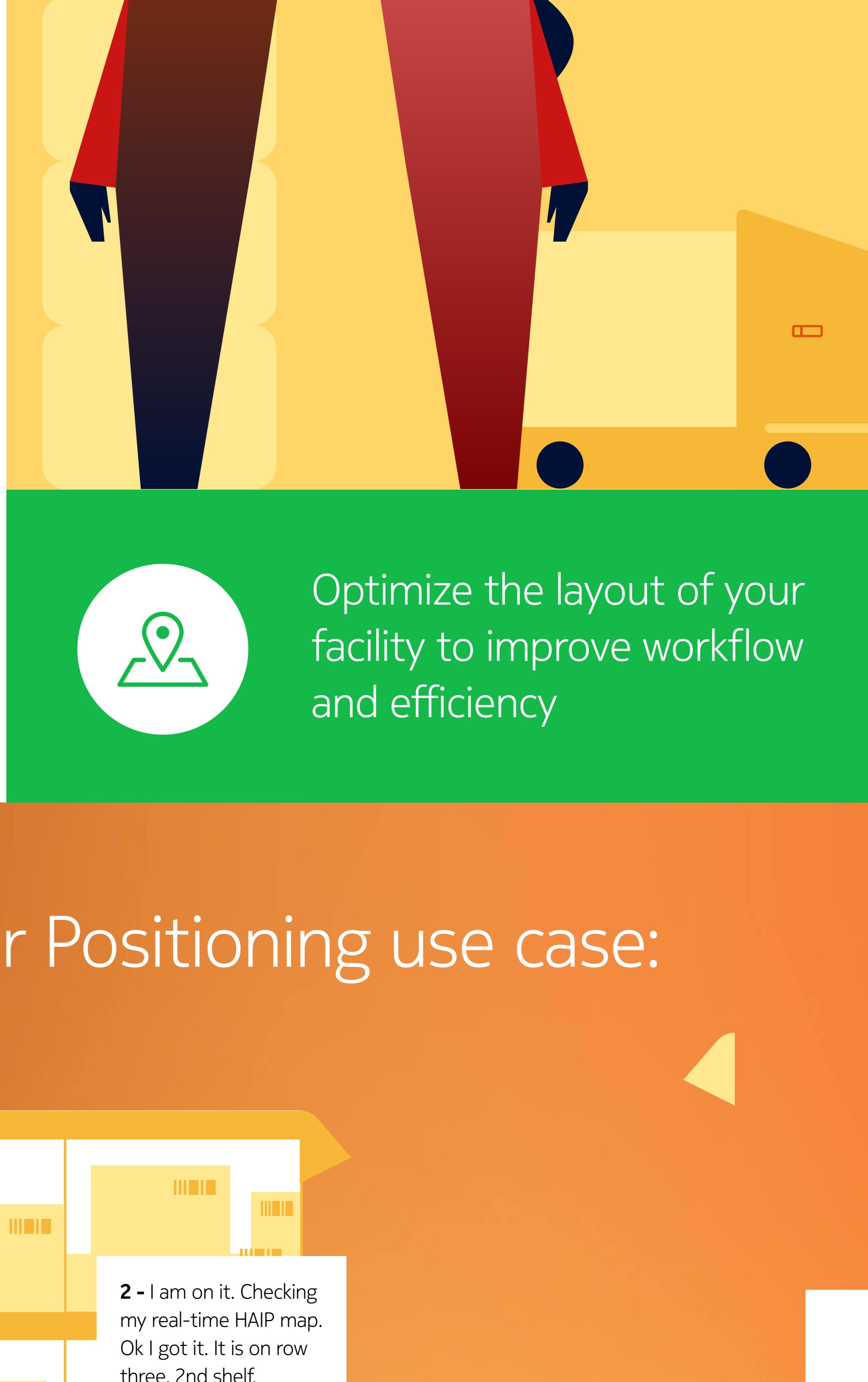
- High security edge computing ensures sensitive data stays on premises
- Real-time low latency computing for activities requiring quick action
- Access to leading edge connectivity options and applications

Supports up to 200 simultaneous video or 400 voice calls

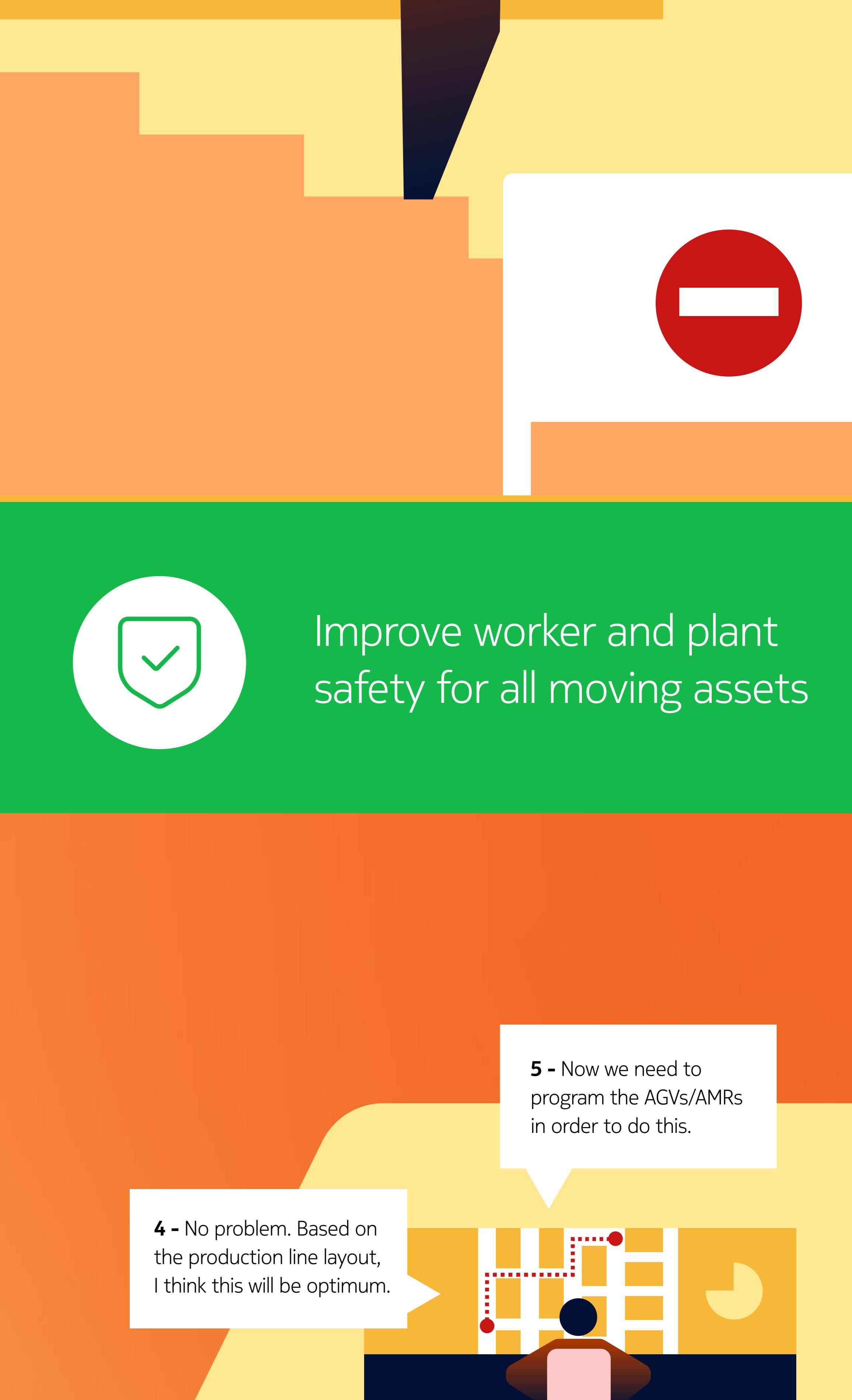
Precise real-time and historical location data enables many digitalization opportunities



Find and track industrial assets and people in real-time



Optimize the layout of your facility to improve workflow and efficiency



Improve worker and plant safety for all moving assets

Nokia High Accuracy Indoor Positioning use case:

