thinkin
for Industry 4.0

Location intelligence for manufacturing

"**Manufactures that master the ability to apply digitisation in processes will be the operational excellence champions in the years ahead**"

Daniel Kupper, BCG

What is ThinkIN for Industry?

ThinkIN for Industry is the innovative platform that combines **high-precision real-time locating systems**, state-of-the-art **big data tools** and edge **artificial intelligence** to analyse and optimise **industrial workflows**.

ThinkIN for Industry key features:

• Sub-meter indoor tracking accuracy in any industrial environment

• Asset tracking and digitalisation

• Location analytics to model complex industrial workflows

• Complex events processing

• Real-time and location-based monitoring and control

• Scalable and production-ready system and platform

• Integration with third-party systems

• Rich set of enterprise ready services and solutions

How does it work?

1. TRACK

Industrial assets (e.g. pallets, forklifts, tools) and **individuals** are tracked in real-time with **sub-meter accuracy** throughout the entire shop floor.

2. PROCESS

Data are processed in **real-time** though ThinkIN patented AI algorithms, and are transformed into **actionable knowledge** on the execution of manufacturing processes.
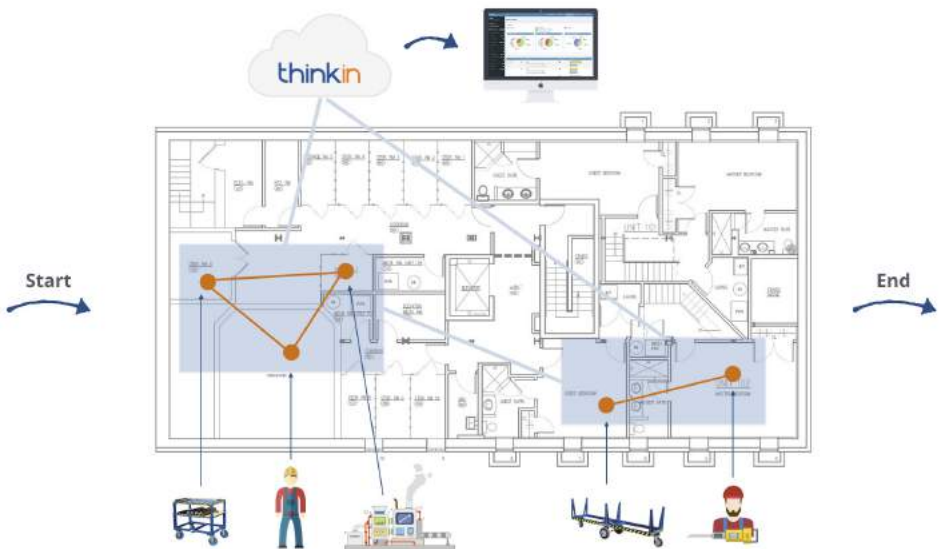
3. MONITOR AND CONTROL

Interactive **dashboards** and mobile services are used to **monitor** operations, **optimise** processes over time and **prevent** accidents.

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Transform **any physical asset** into a digital object. Monitor and analyse **any industrial process**. Use **location intelligence** to digitise your factory. Easily manage and control **complex manufacturing processes**.

Data-driven decision support to industrial processes optimisation

1. MODELLING

- Assets (e.g., forklifts, pallets, tools, etc.) localisation and utilisation monitoring
- Industrial workflow tracking
- Location-based accounting

2. ANALYTICS

- Workflow analytics
- Location analytics
- Production performance monitoring
- Production process deviations identification
- Workforce performance analysis

3. OPTIMISATION

- Assets utilisation optimisation
- Assets predictive maintenance
- Assets remote maintenance
- Workflow adaptation and optimal planning

Real time monitoring and control of workforce and industrial processes

CONTROL

- Location-based workflow management
- Full life-cycle remote asset control
- Quality control

MONITORING

- Real-time asset tracking
- Full life-cycle remote asset monitoring
- Geo-fence events notification

Advanced Risk Management Support

RISK PREVENTION

- Accidents root cause analysis
- Industrial process safety procedures enforcement
- Red-zones access monitoring and control

SAFETY

- Real-time location of workers
- Rescue support

Benefits:

✔ *Reduce costs*

✔ *Improve efficiency*

✔ *Increase performance*

✔ *Enhance quality*

✔ *Real-time process management*

✔ *Boost productivity*

✔ *Improve workforce coordination*

✔ *Increase production cycles*

✔ *Enhance workers safety*

✔ *Optimise costs related to safety management*

✔ *Reduce down-turn cycles*

✔ *Audit accidents*

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