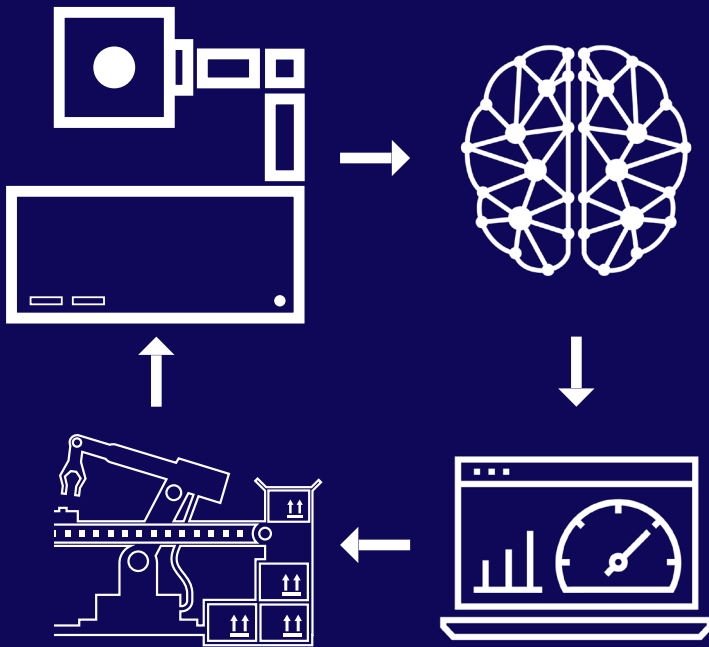


InovecTech 

Offer Book

*We accelerate
the 4th industrial revolution*



Who we are

We are a startup that delivers an AI operations consultant to your shop floor to increase efficiency of your equipment. It collects, analyses and visualizes data for your staff. We use state-of-the-art computer vision technology and data analysis tools to turn camera streams into increased machine utilization. Our universal products InOEE and InoWare are deployed on premise and provided as a service for a recurring monthly fee.

Our expertise

We deliver business value by combining our knowledge of manufacturing and industrial operations, R&D and Engineering.

Founding Team

Boris Fačkovec *PhD in computational chemistry from University of Cambridge, boris@inovec.tech four years of optimizing factories with McKinsey & Company*

Peter Vanya *PhD in physics from Cambridge University, two years peter@inovec.tech in economic analysis of large infrastructure investments*

Pavel Kohout *MEng in engineering from University of Cambridge, pavel@inovec.tech four years in engineering R&D in UK / Czechia*

Our solutions

InOEE

Increase utilization of production equipment (p4)

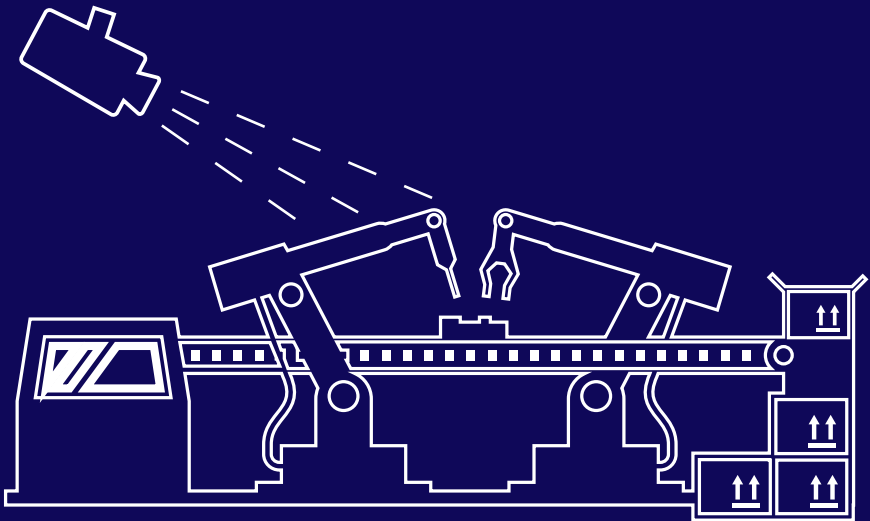
InoWare

Reduce inventory, increase transparency in warehouses (p6)

InoVis

Edge device for rapid deployment of InOEE and InoWare (p8)

*Turn camera streams into
increased utilisation*



InOEE

InWare translates camera streams from WHs to insights on assets utilization and inventory tracking

InOEE is a software that can increase OEE (Overall Equipment Effectiveness, the most universal measure of equipment utilization) by up to a third and hence considerably reduce conversion costs and increase return on assets. The solution aims to classify OEE losses and analyze performance of equipment such as conveyor belts, IMMs, CNCs, robot arms and similar.

How it works

- *InOEE analyses camera stream of production equipment (from IP cameras or our own edge device Inovis)*
- *Advanced computer vision algorithms and neural networks extract data from the camera stream such as trajectories of cranes and forklift, positions of moved items*
- *Extracted data is further analyzed to create OEE analysis of cranes and forklifts, trajectory heat maps etc.*
- *Internal database keeps track of real-time position of warehouse inventory*
- *Insights, analyses and data are delivered via interactive dashboards to the shop-floor staff, managers and experts*

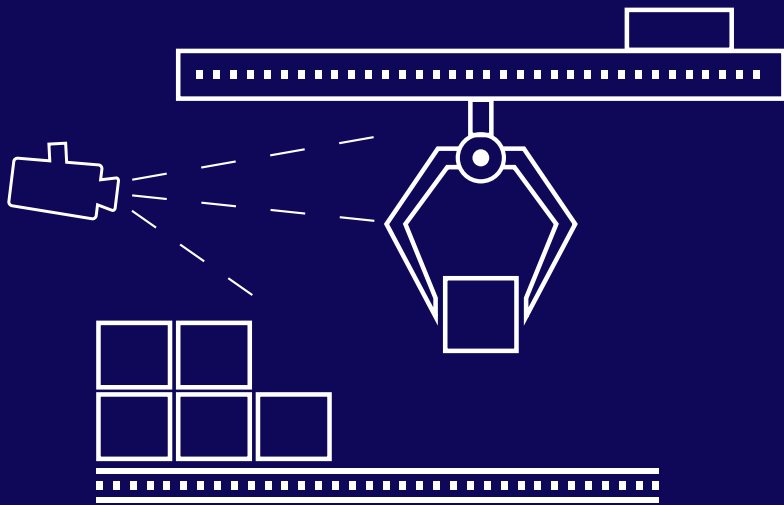
Ideal applications

InOEE is suitable for manufacturing companies of all sizes, particularly when aiming to increase production, standardize, diagnose or grow towards series production.

Ideal applications for InOEE use:

- *Companies undergoing transformations and production changes, new investment or periods under pressure to accelerate continuous improvement*
- *Capacity-constrained companies in need to quickly meet demand*
- *Growing companies undergoing standardization or companies shifting towards series production*
- *Growing companies undergoing standardization / shifting towards series production*
- *Private equities focusing on value creation in manufacturing, conducting due diligence, implementing new KPI system, or supervising a company transformation*
- *Management and operation consultants or analysts who diagnose manufacturing plants*

Order out of warehouse chaos



InoWare

InoWare translates camera streams from WHs to insights on assets utilization and inventory tracking

InoWare is a software that translates camera streams from warehouses to insights in asset utilization and inventory tracking. It measures OEE of mobile equipment, such as cranes and forklifts. It can also track inventory so that people do not need to search for it. Basic solution can be extended with a digital warehouse twin to observe, analyze and optimize real-time movements of handling units in realistic 3D visualizations.

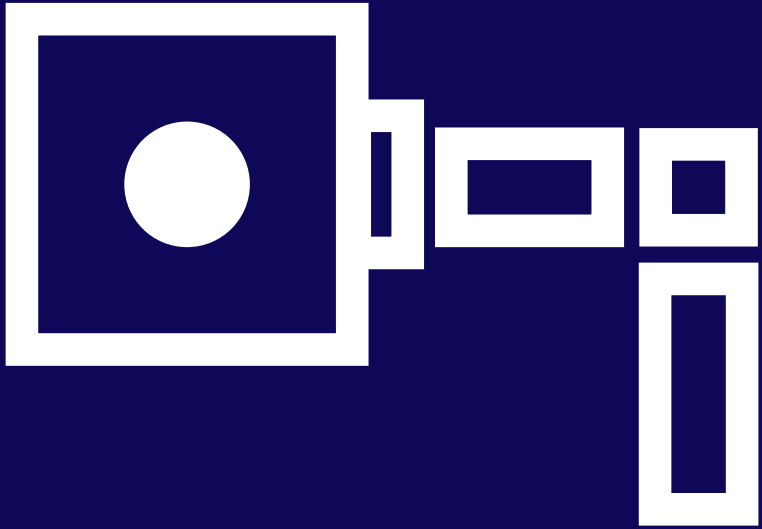
How it works

- *Load the image of the warehouse into the InoWare database*
- *Track, analyze and optimize the movement of equipment and inventory in the warehouse through interactive dashboards to enable tight control of cash locked in working capital, warehousing lead times, and reduce need for regular inventory checks*
- *InWare analyses camera stream from warehouses (from IP cameras or our own edge device Inovis)*
- *Advanced computer vision algorithms and neural networks extract data from the camera stream such as trajectories of cranes and forklift, positions of moved items*
- *Extracted data is further analyzed to create OEE analysis of cranes and forklifts, trajectory heat maps etc.*
- *Internal database keeps track of real-time position of warehouse inventory*
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Ideal applications

- *Chaotic warehouses where time is wasted on searching for the product as other internal positioning methods, such as RFID fail*
- *Companies that want to optimise usage, routes and inventory handling of their mobile equipment (cranes and forklifts),*
- *Warehouses where placing tags or labels on inventory is not practical (hot items)*
- *Enables trend analyses at more granular and consistent level*
- *Steel industry*

A camera with AI brainpower



InoVis

InoVis integrates camera with a computer to enable rapid installation of our software products

InoVis is an edge device for fast and easy implementation of InOEE and InoWare solution. This standalone hardware platform is particularly valuable in case of concerns with privacy, security or network infrastructure quality. InoVis is a camera and a small computer with ports to allow attaching additional cameras and sensors.

How it works

- Identify a suitable location for the InoVis such that the region of interest (machine, storage area) can be seen well.
- Install InoVis to that location using our universal holder and point the camera at the place of interest
- Connect inoVis to a power source (PoE or USB C) and let our software do its magic. collect data within minutes

Ideal applications

- When there are no accessible live camera streams of the equipment at hand
- When the processing power is preferred to remain close the equipment due to security or privacy concerns
- When rapid installation is required

Next steps

- Get in touch with us to schedule a site visit
- We will install the necessary infrastructure and HW
- Enjoy the impact of our digital consultant
- Pay monthly fee for the service



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