Insider Navigation

the most advanced large scale AR platform

and our

WORKFORCE solution - connecting assets and worker

insider navigation

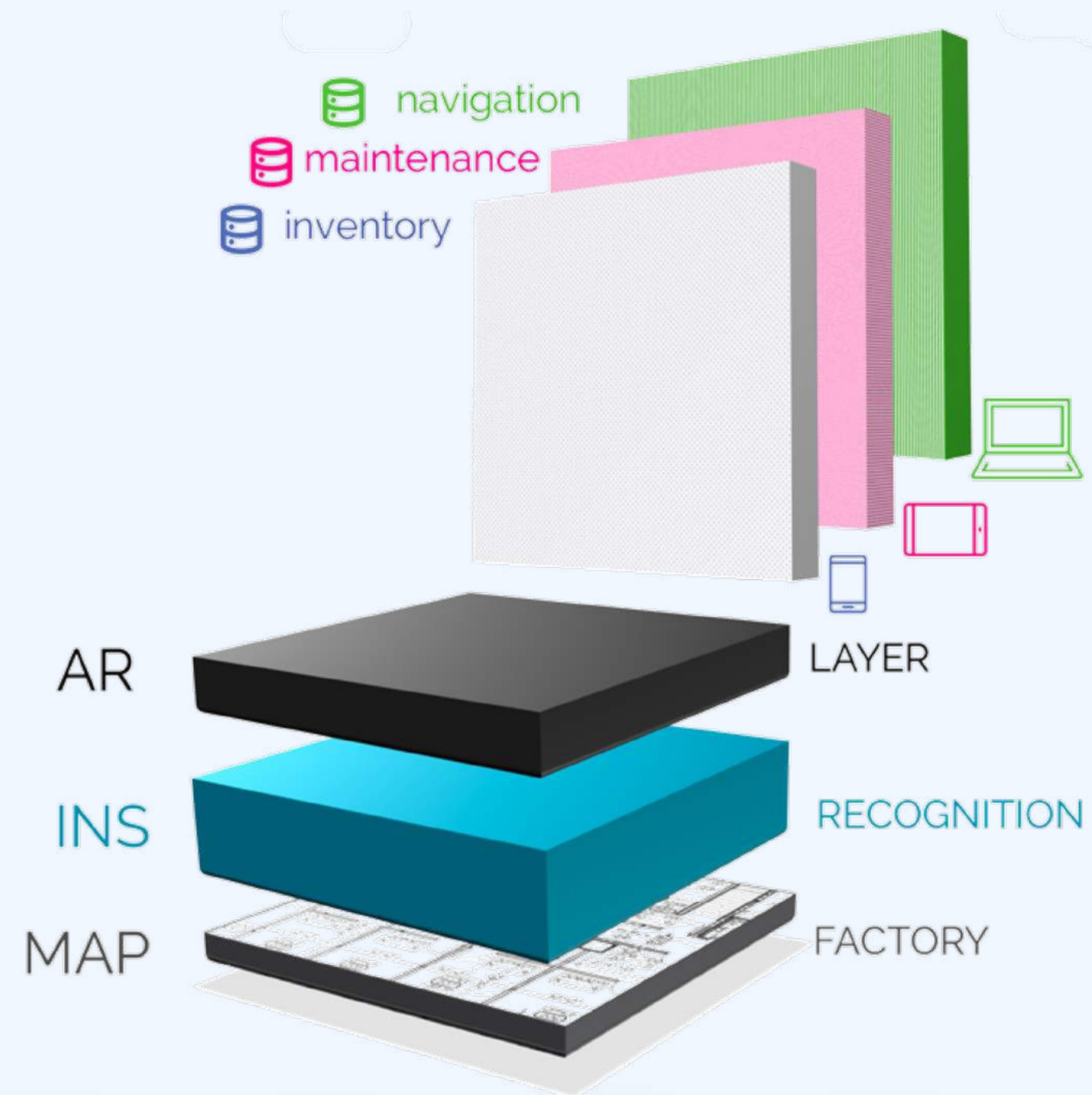# About Insider Navigation

Providing inhouse tech stack to locate and navigate in venues – INSIDER NAVIGATION (indoor, outdoor, between building) Plus, SaaS solution using this tech stack for coordinate assets and workforce called WORKFORCE

All based on computer vision – JUST using camera from mobiles, tablets soon glasses

Runs on AWS or as container on premise.

NO need for hardware in buildings like UWB, beacon, Wifi, RFID,...

navigation
maintenance
inventory

AR   LAYER
INS   RECOGNITION
MAP   FACTORY

2012
Research started

2014
founded

JLL   Ford   Pfizer   Saudi Aramco   BMW   Many more...

global partner and customer track record

INSIDER NAVIGATION

precise 3D positioning

Insider Navigation gets the absolute position of your device through a filter which gets input from markers, computer vision SLAM (simultaneous localization and mapping) and device sensors giving a precise position within **0.3-1 inches in 6 dimensions.**

Start video

Supporting seamless indoor / outdoor navigation

Easy navigation between different levels

INSIDER NAVIGATION

Easy setup in a matter of days / weeks

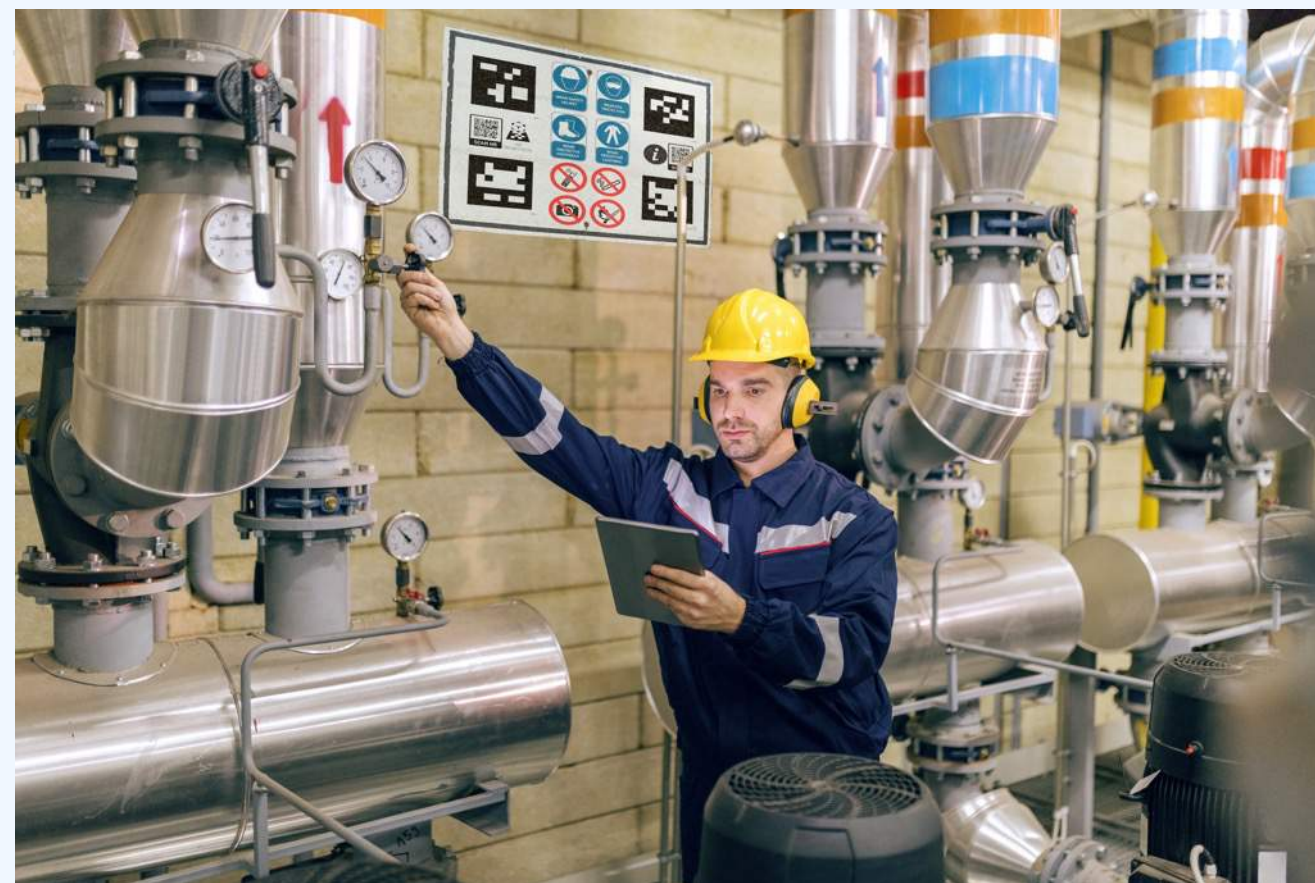No expensive hardware like UWB, beacons, RFID;...needed

No wiring, no cables, no battery

No expensive 3D scan or so on

our printed markers are placed every 25-50m (can be done in house)

marker are measured with total station

All needed from the customer is a 2D floor plan
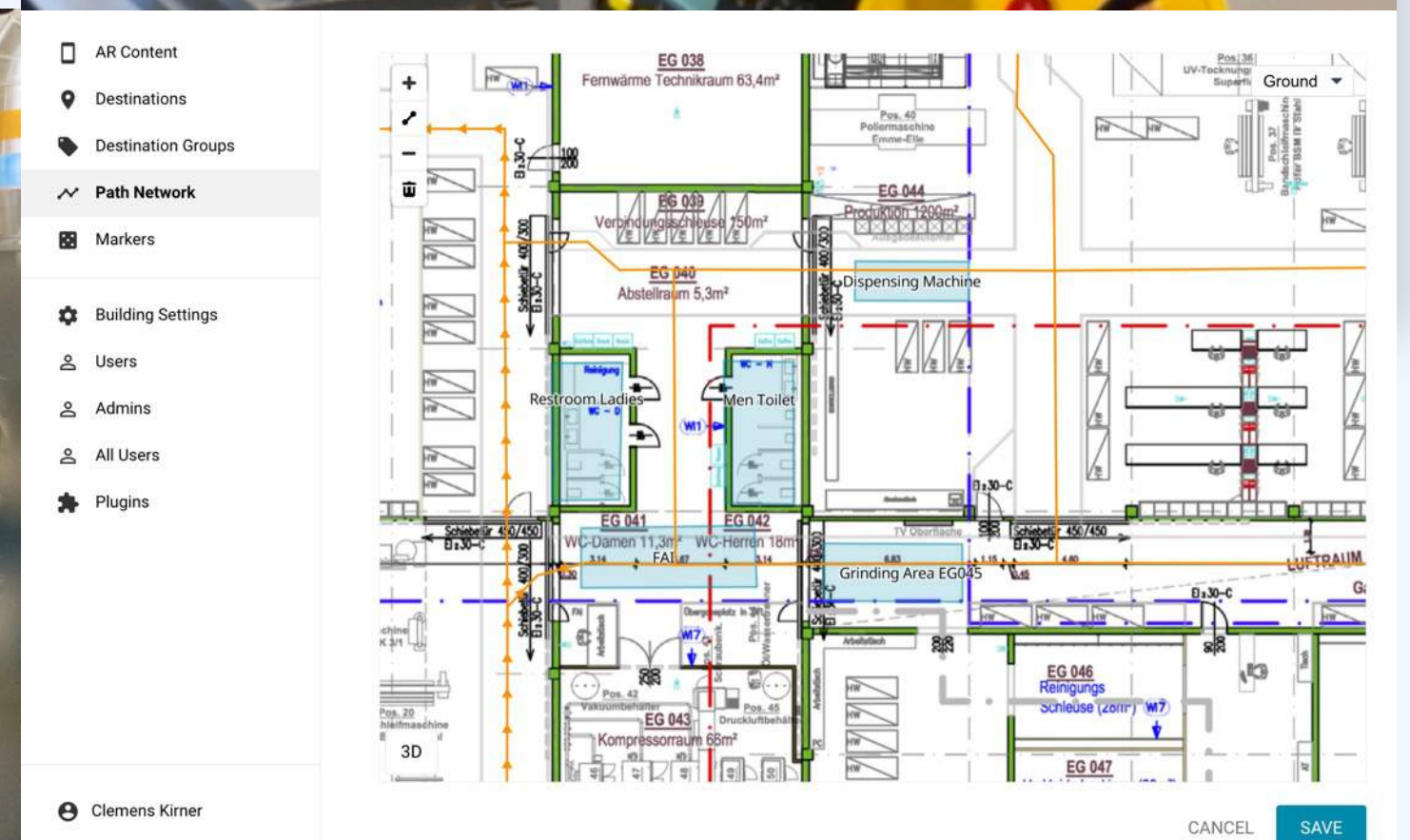
WORKFORCE

Easily locate assets in your venue, connect digital information, processes and help workforce to easily perform their tasks

[Start Video video](#)

WORKFORCE – use cases

Facility management

Ensure workforce finds all assets in complex environment, ensure maintenance routines are done correct, and give workforce the right information on the right spot. Video

Fire protection

No matter if internal or external supplier, ensure all fire equipment is found, location, status of equipment, time are recorded, and proof is generated as report that all legal requirements are met. Video

Cyber security

In complex manufacturing venues thousands of PC are spread over the factory. Due to cyber security guidelines certain tasks (update, restart,...) need to be performed in person. Ensure that all PCs are found, and IT guidelines are met. Video

Safety routines

Guide your internal or external supplier along they way, help them with guidance to better perform their tasks and record with picture and location any issues so they can be easily followed up and be resolved.
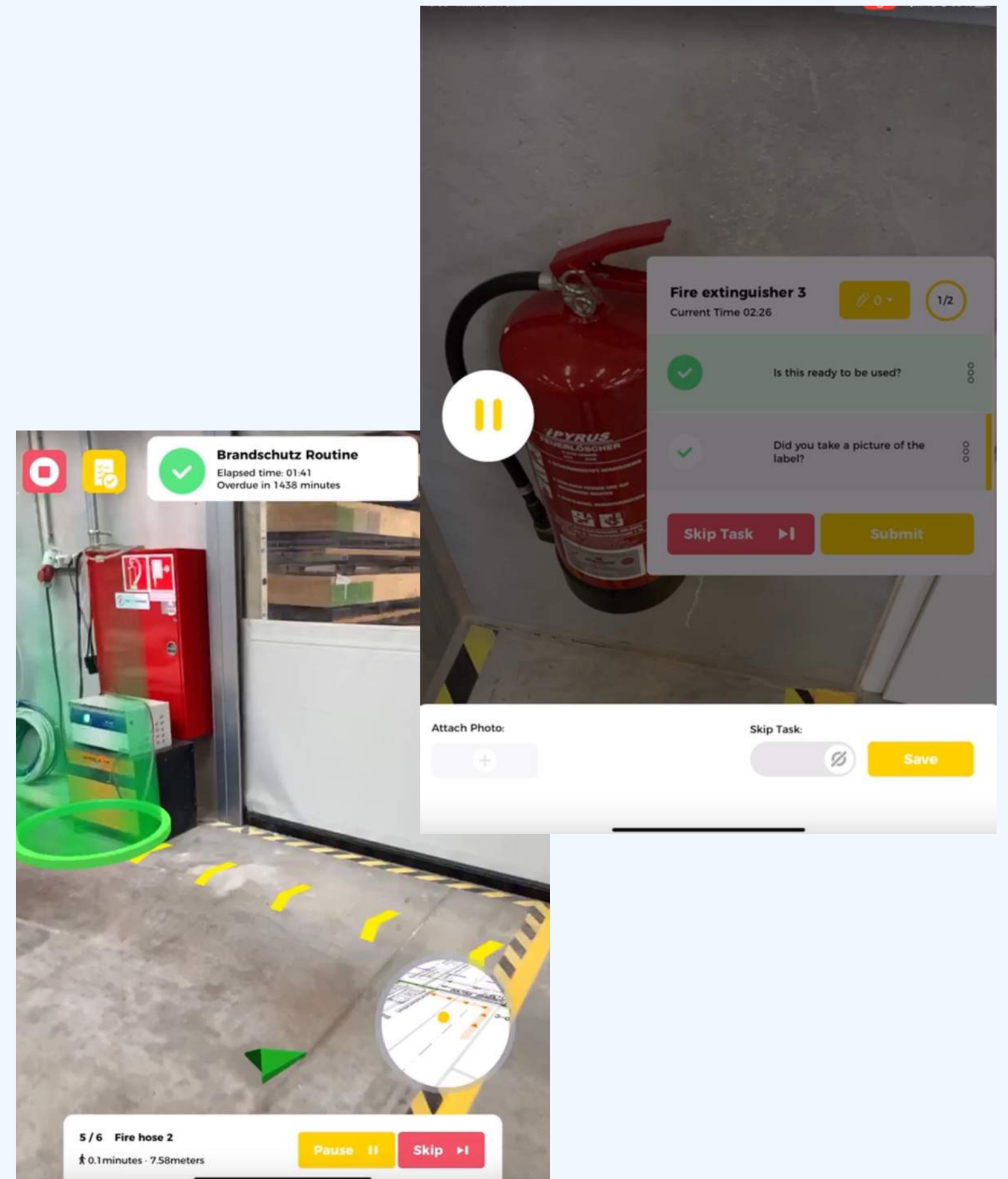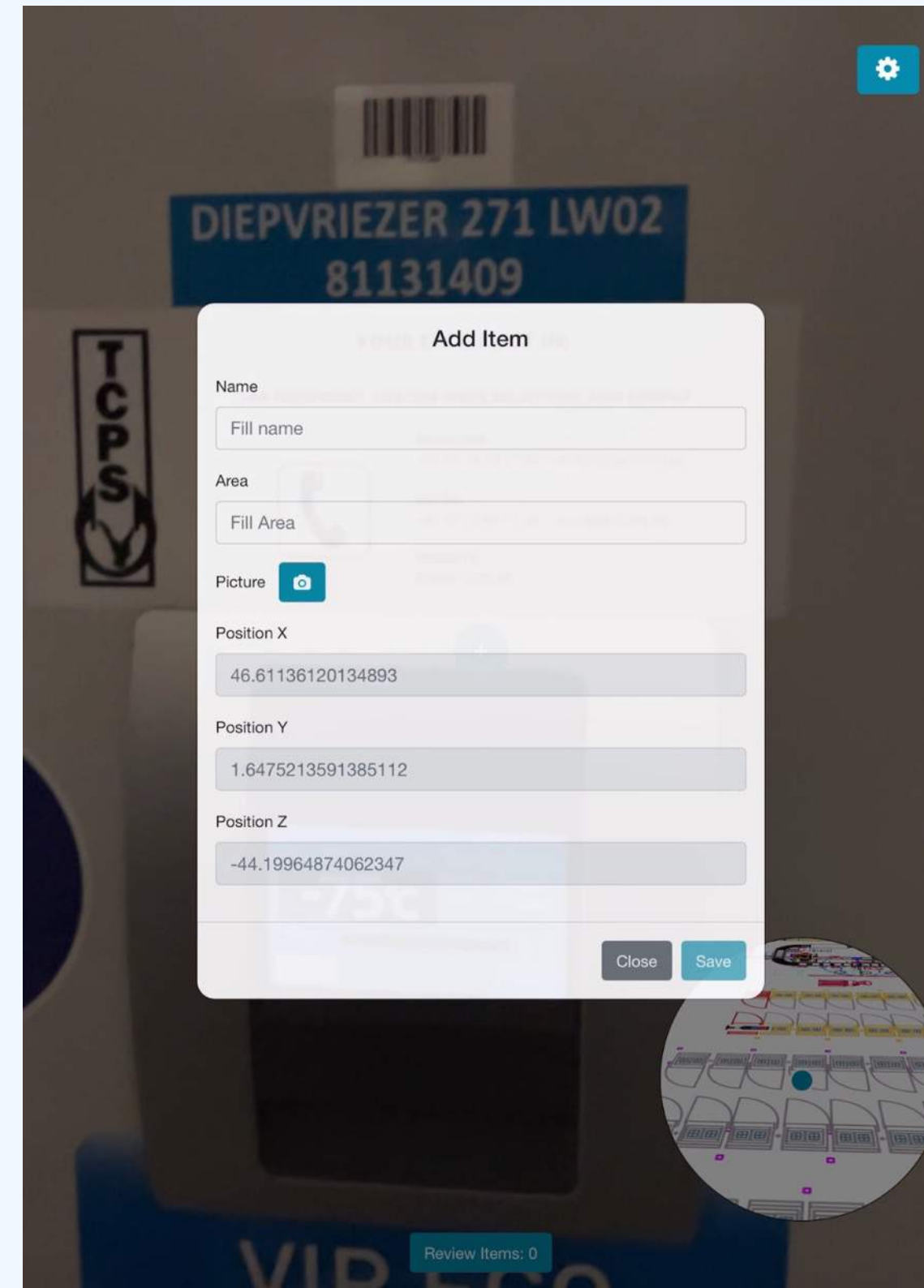
WORKFORCE – easily locate assets

Easily locate assets using our WORKFORCE app and look at the asset or via API to a system holding assets data and location

Start video

WORKFORCE – easily manage assets and related information

Easily manage assets using our WORKFORCE web portal –
connect manuals, videos with assets to give worker right information at the asset they work on

WORKFORCE – assets connected information – easier work for workforce

Connect any kind of data with any asset so ideally workforce can solve 95% of problems alone before looking for a senior or starting a remote call

Start video
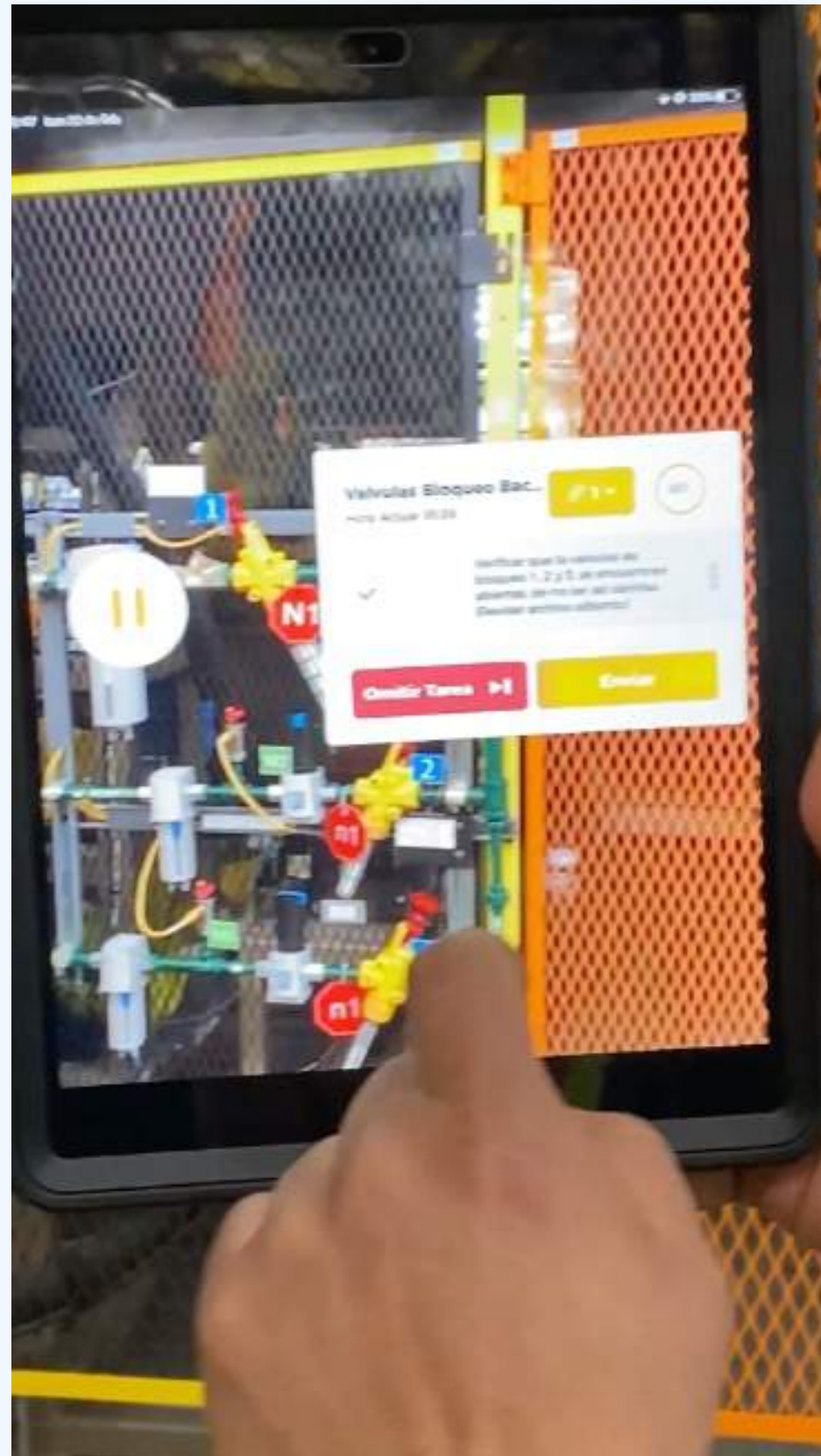
WORKFORCE – easily setup routines manually or through API to ERPs

Easily setup in minutes new tasks, routines and assign them to a certain workforce manually, upload data via CSV or via WebAPI connect SAP, IBM Maximo, Salesforce or any other existing ERP and let WORKFORCE become your easy-to-use frontend for your workforce that ensures that processes are fulfilled at the right assets.
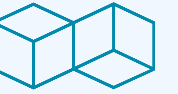
WORKFORCE – reports, report log – all at one hand

Only when a worker walked to all assets, looked at them and performed all of his tasks a routine can be closed and will be marked green. WORKFROCE gives you an easy overview including pictures of the status of your venue and its processes.

All results can be sent back to ERP systems via WebAPI.

WORKFORCE – value proposition / business case

Why should you implement workforce besides that as our projects have shown worker are happy since their work life gets improved, they can focus on their tasks and they perform better?

WORKFORCE – value proposition / business case

Thanks to one of our customer we have a very good insight about the value INSIDER NAVIGATION and WORKFORE delivered:

Client: injection molding company, 7.000m2 (75.000 sq ft), 30 people in maintenance, high grade of automatization, middle Europe

downtime reduction   SAVINGS

WORKFORCE could help to reduce unplanned downtime by more than 15%.

Base is 48 weeks production per year, 15,53 hours downtime per week, 98,8 units produced per hour, EUR 10,20

cost per unit.   **EUR 112.683,69**

Increased productivity

Less unplanned downtime, less restarts of machine, longer production periods resulted in 5% more output (based

on the numbers above).   **EUR 290.234,88**

Lower qualifications needed

Many senior worker from the boomer generation are retiring. Younger people often do not intend to work in facility

management and when they switch they are lower skilled often. Through WORKFORCE they can work like a senior

but with less wage due to qualification.   **EUR 200.400,00**

Reduced onboarding training

Senior worker need to invest less time to onboard new employees since WORKFORCE guides them. New worker

can be productive earlier   **EUR 12.284,00**

-> EUR 615.602,57 saving in relation to EUR 197. 900 investment for setup and license cost results in ROI of 0,29 years

Let's get started and contact us:

ck@insidernavigation.com

https://insidernavigation.com/contact/

More use case videos:

https://www.youtube.com/channel/UCQrXr8hfaqAMv5pC7fWysMQ

insider navigation