

A woman with curly hair, glasses, and a scarf is looking at a smartphone on a city street. The background is blurred, showing a sidewalk and some greenery.

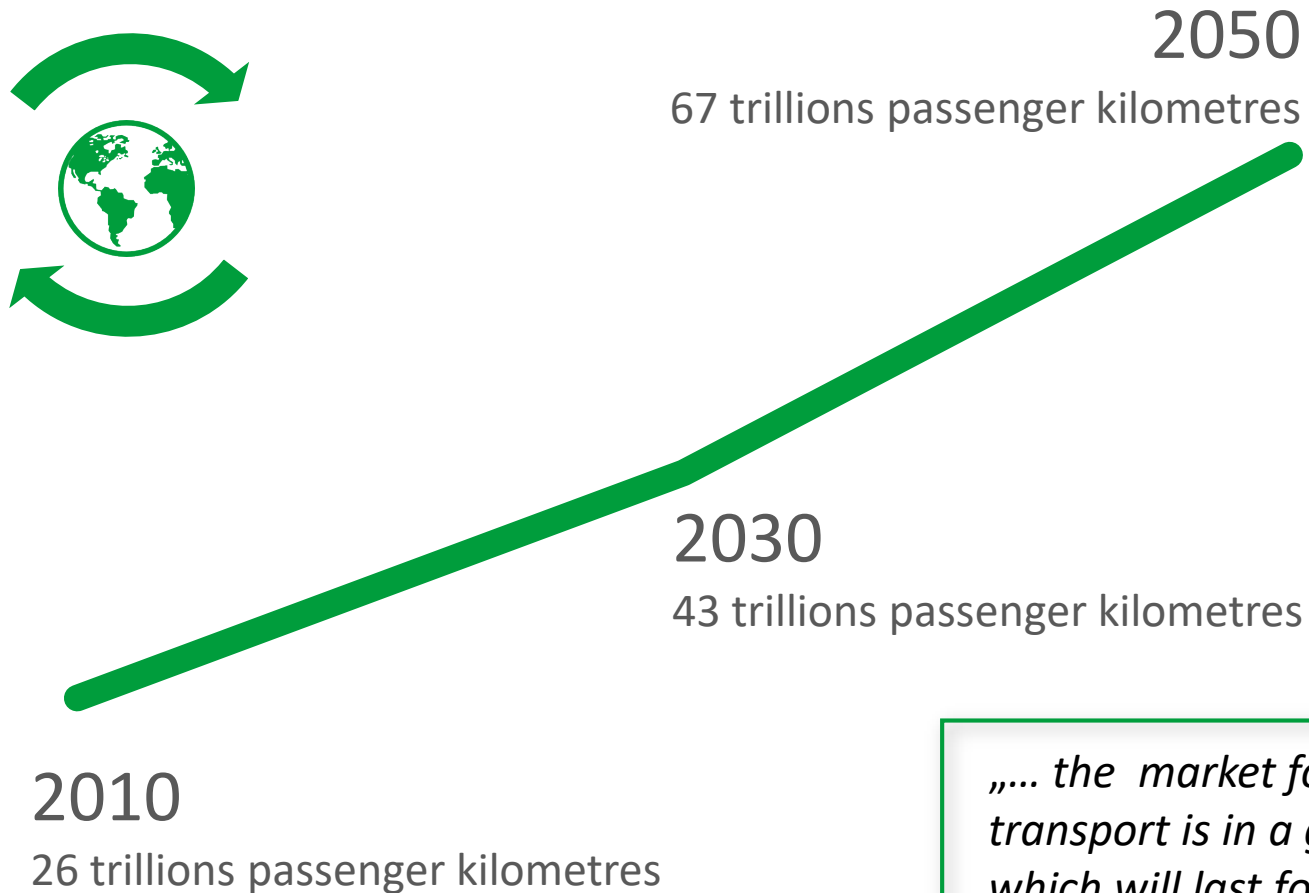
# Integrated solutions for public transport

Eigenkapitalforum 2021

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init

# Urban mobility as expanding market



*„... the market for ITS in public transport is in a growth phase which will last for several years to come.“*

Berg Insight 2018



# Funding programs for infrastructure including PT

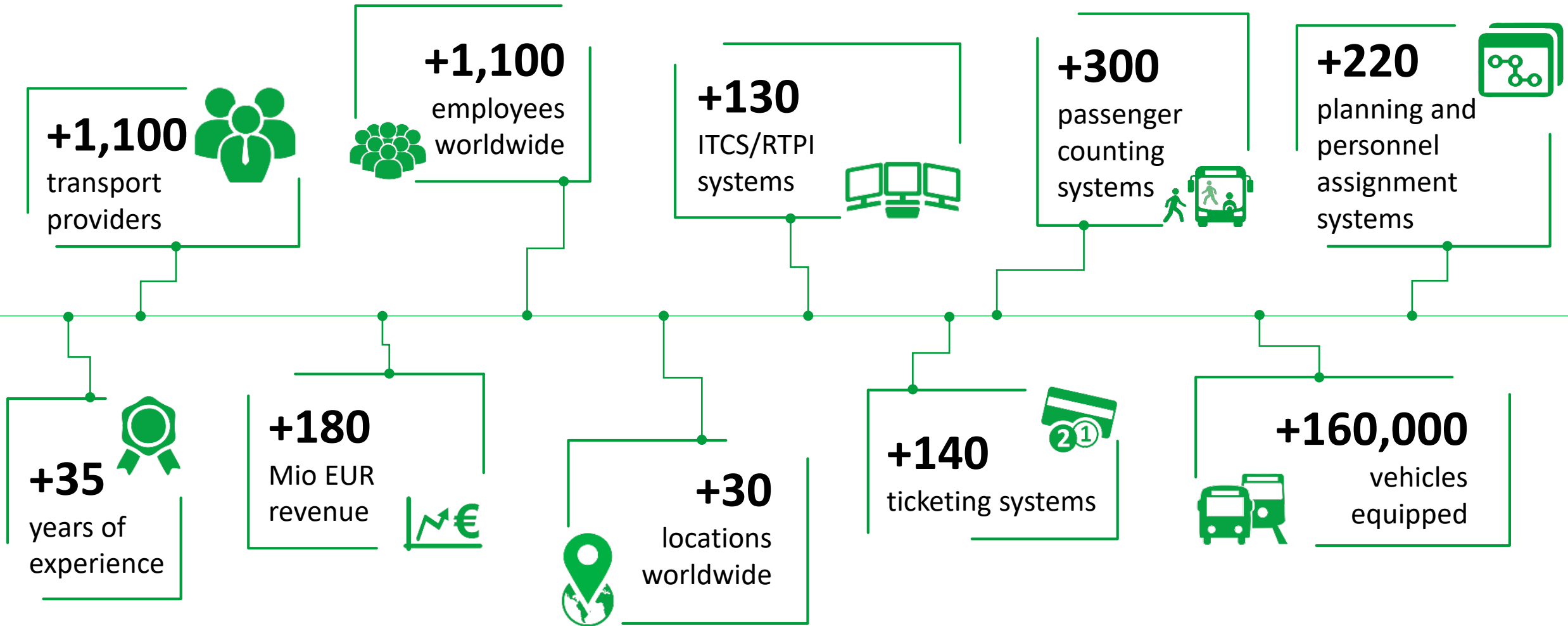


- US:**
- **Infrastructure Investment and Jobs Act** IIJA (based on „The American Job plan“): **USD 1.2 trillion**.
  - **American Rescue Plan Act** (ARP) and COVID-19 Emergency Funding to State and Local Governments: **USD 350 billion**.

- GER:**
- Increased funding as part of the **Federal Climate Protection Program**
    - **EUR 1 billion** per year, **EUR 2 billion** per year starting 2025, **plus 1.8 %** annual increase starting 2026.
    - Funding of larger infrastructural projects in municipalities **from EUR 30 million per project** (rail-bound & clean traffic).
  - Funding for lighthouse projects to strengthen public transport **EUR 250 million** until 2024.

- UK:**
- New **bus** policy - **Bus Back Better**: The policy ends 30 years of commercial and competing services provided by 100s of private operators (outside London) - **GBP 5 billion** funding for walking, cycling and buses.
  - New **rail** strategy - **The Williams-Shapps Plan**: Government ends 30 years of rail franchising and now invests directly in and services and infrastructure – **GBP 13 billion/pa**.

# init at a glance

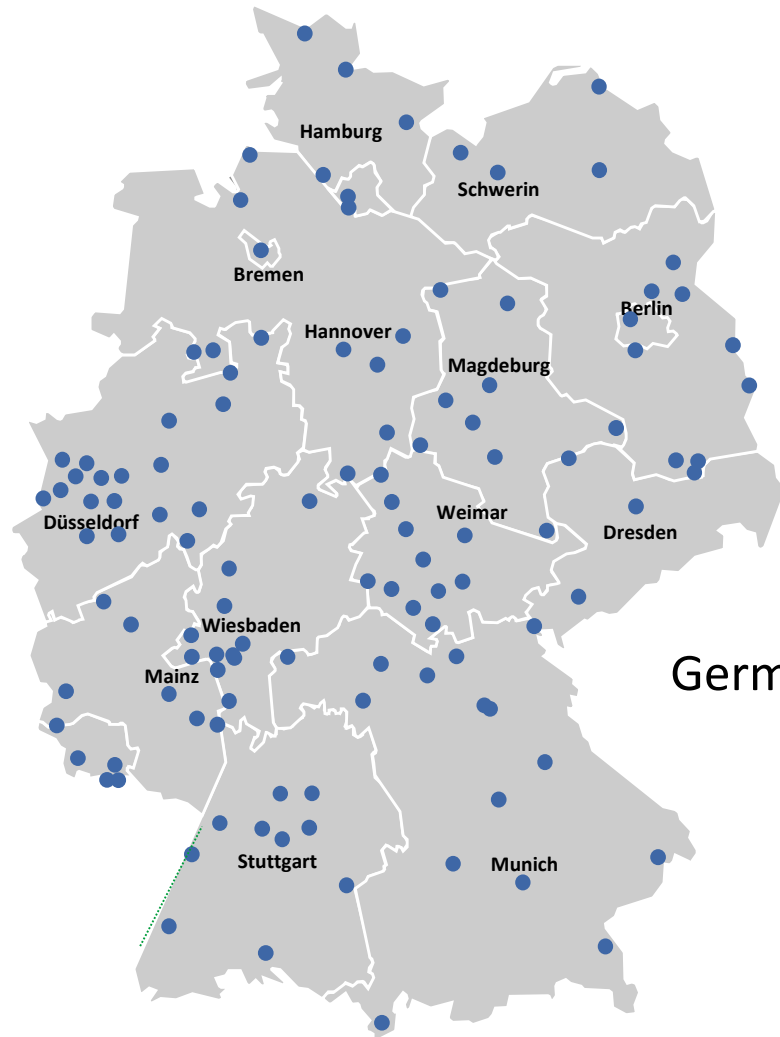


# init group worldwide

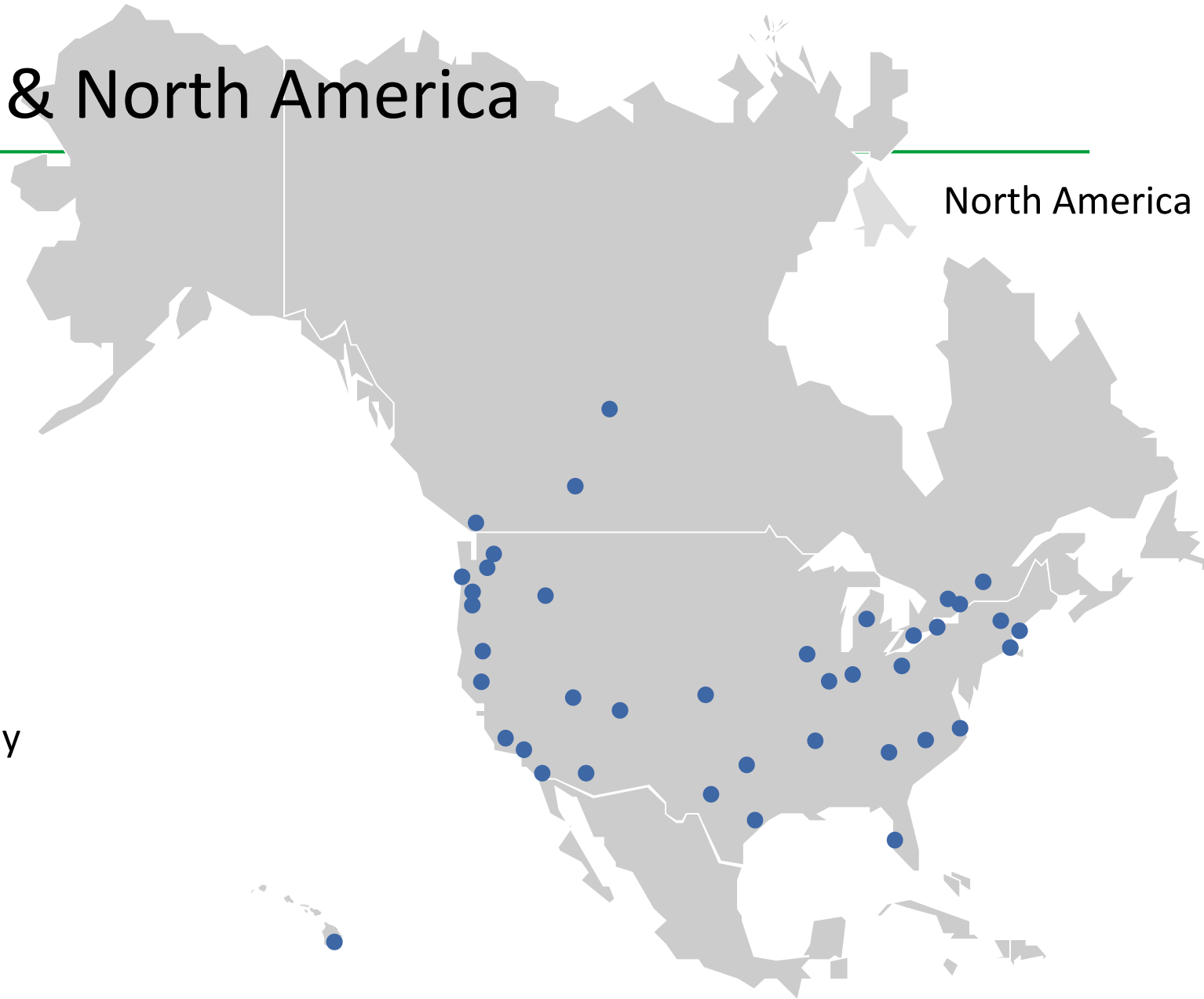


# Projects in Germany & North America

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Germany

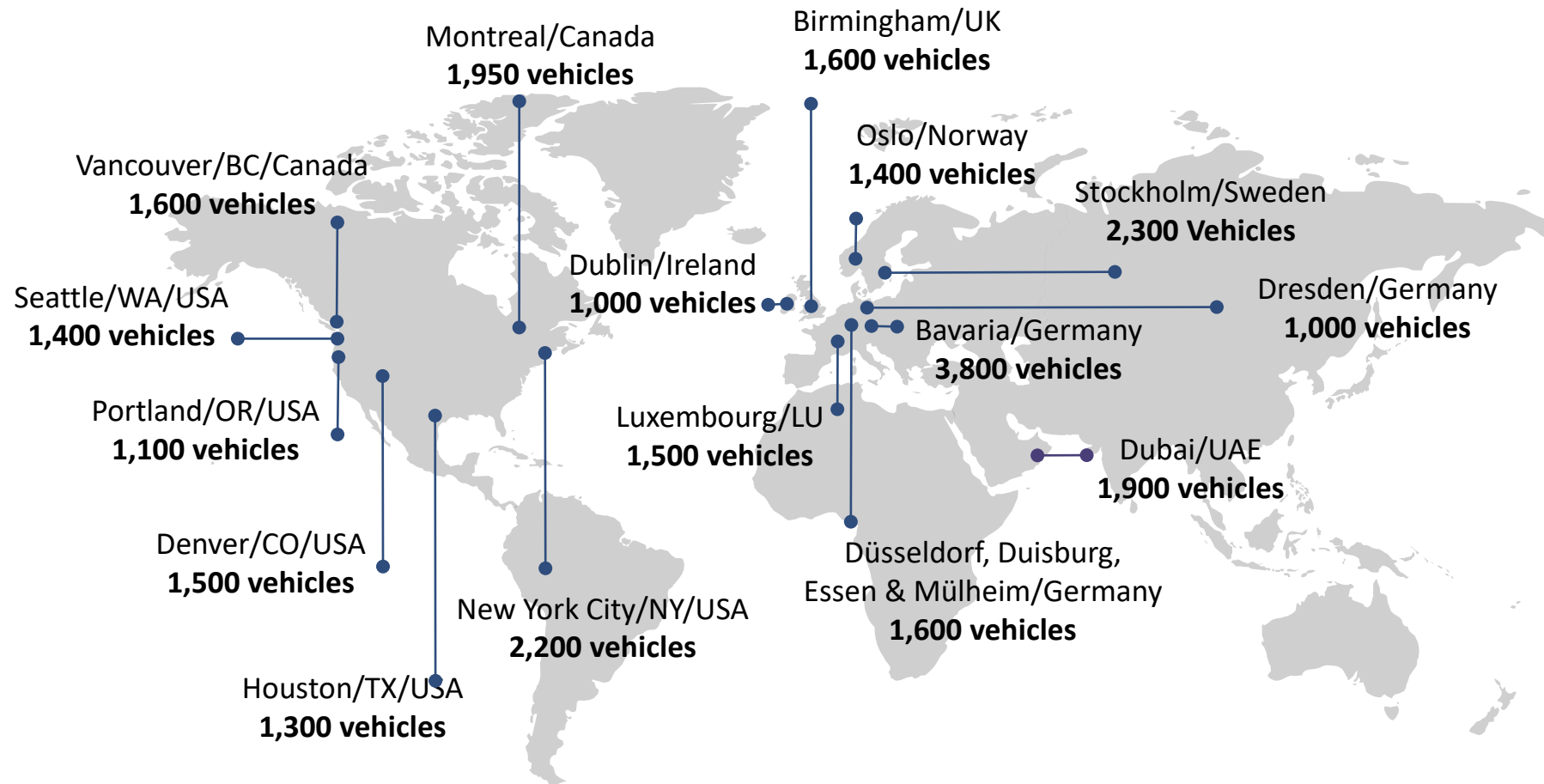


North America

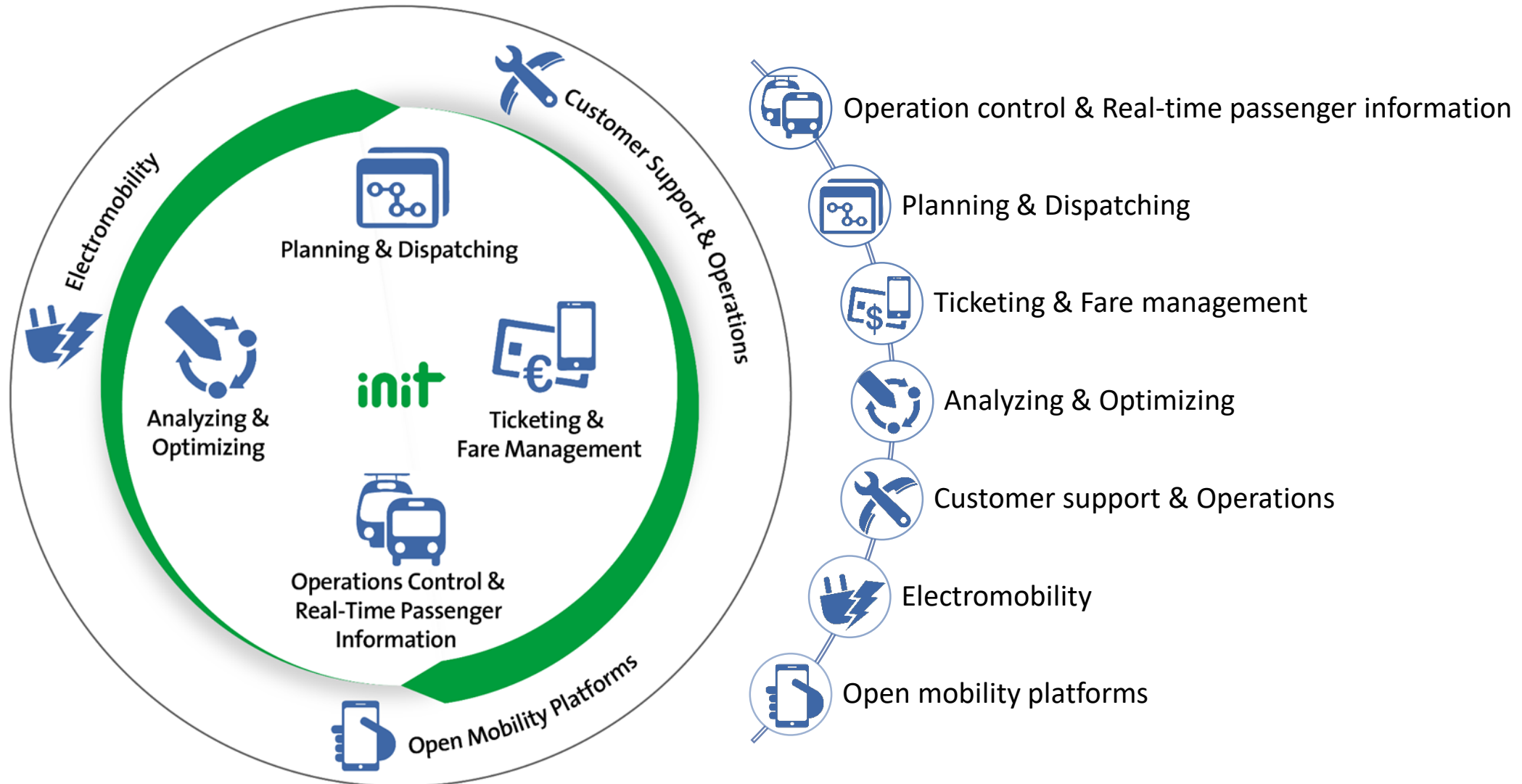


# Worldwide references

Projects with more than 1,000 vehicles



# Integrated solutions for public transport





# Integrated solutions for public transport



## Operation control & Real-time passenger information



**Société de transport de Montréal (since 2012): High service quality with sophisticated operations control and integrated real-time passenger information system.**

- Intermodal Transport Control System **MOBILE-ITCS**.
- One central hub for schedule and real-time passenger information.
- Incident and workflow management.



+ 180 stop displays.



+ 2,200 vehicles.



+ 200 bus routes.



+ 1,4 million passengers per day.



# Integrated solutions for public transport



## Planning & Dispatching

connexxion

**Connexxion, Netherlands (since 2001): One system organizes the overall personnel assignment process.**

- Personnel assignment system **MOBILE-PERDIS** from init.
- Consideration of driver requests in duty scheduling.
- Web based driver communication.
- Reports, analysis and statistics.



8-10,000 employees are managed in **MOBILE-PERDIS**.



200,000,000 EUR annual payroll.







# Integrated solutions for public transport



## Ticketing & Fare management

### TriMet, Portland (since 2014): Innovative e-fare system.

- init's 1<sup>st</sup> account-based ticketing system in North America.
- Open payment and closed loop fare readers.    
- Integration of student and company cards in ticketing system.
- Fully integrated fleet management, real-time passenger information and electronic fare collection system.



+ 1,100 vehicles.



1,000,000 contactless smartcards.



# Integrated solutions for public transport



## Analyzing & Optimizing

**Verkehrsbetriebe Karlsruhe, Germany (since the 90s): Accurate data as basis for informed management decisions.**

- Integrated telematics product suite from init.
- Statistically accurate passenger counts are vital for decision-making:
  - Align the mobility offer with actual demand.
  - Enable performance-based revenue distribution, e.g. in multi-company transportation networks.
- Automatic passenger counting data are also the basis for providing passengers about occupancy levels, e.g. via apps.  
→ This enables them to select a less crowded bus or train.

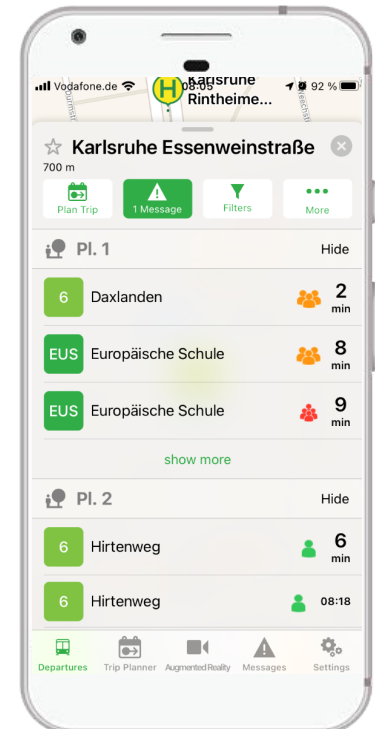


+ 400 vehicles.



### Enhancement of the statistic system (2021):

INIT's analysis and statistics system **MOBILEstatistics** has been successfully certified for revenue distribution for VKB and AVG.





# Integrated solutions for public transport



## Customer support & Operations

مركز النقل المتكامل  
INTEGRATED TRANSPORT CENTRE



**Integrated Transport Centre\*, Abu Dhabi (since 2011): Attractive and reliable bus services in Abu Dhabi with high-end technology from INIT.**

Integrated telematics product suite from init

- ✓ Preventive & reactive maintenance.
- ✓ 24/7 hotline services.
- ✓ System checks & updates.
- ✓ Trainings.
- ✓ SLA management.
- ✓ Spare parts management.
- ✓ Third party integration.



+ 800 buses.



5 depots.



6 service technicians, 1 IT engineer, 1 system engineer, 1 SLA manager.



*\*Formerly known as Department of Transport (DoT) / Department of Municipal Affairs and Transport (DMAT)*

# Integrated solutions for public transport



## Electromobility

**KEOLIS**  
NEDERLAND  
Keolis Nederland is de nieuwe naam van Syntus

**Keolis, Netherlands (since 2007): One of the largest e-bus fleets in Europe in operation.**

- Fleet management system from init (**MOBILE-ITCS**).  
→ System is constantly adapted to changing requirements.
- Since 2020: Numerous modules of the init electromobility suite in use:



Intermodal Transport Control  
System **eMOBILE-ITCS**  
(init)



Depot management system  
**eMOBILE-DMS**  
(INIT Mobility Software Solutions)



Charge management system  
**MOBILEcharge**  
(CarMedialab)



# Integrated solutions for public transport



## Open mobility platforms

### Mobility platform regiomove: The innovative mobility concept.

- Smartphone app for planning, information, booking and payment.
- "Mobility-as-a-Service" from a single source.
- Regional approach.
- Next steps: Integration of further modes of transportation (Voi/Tier...).

regio  
move  
Alles außer beamen.



Together with  
**KVV**  
and other  
project partners.

# Further worldwide references



# OEM references





# Recent financial figures

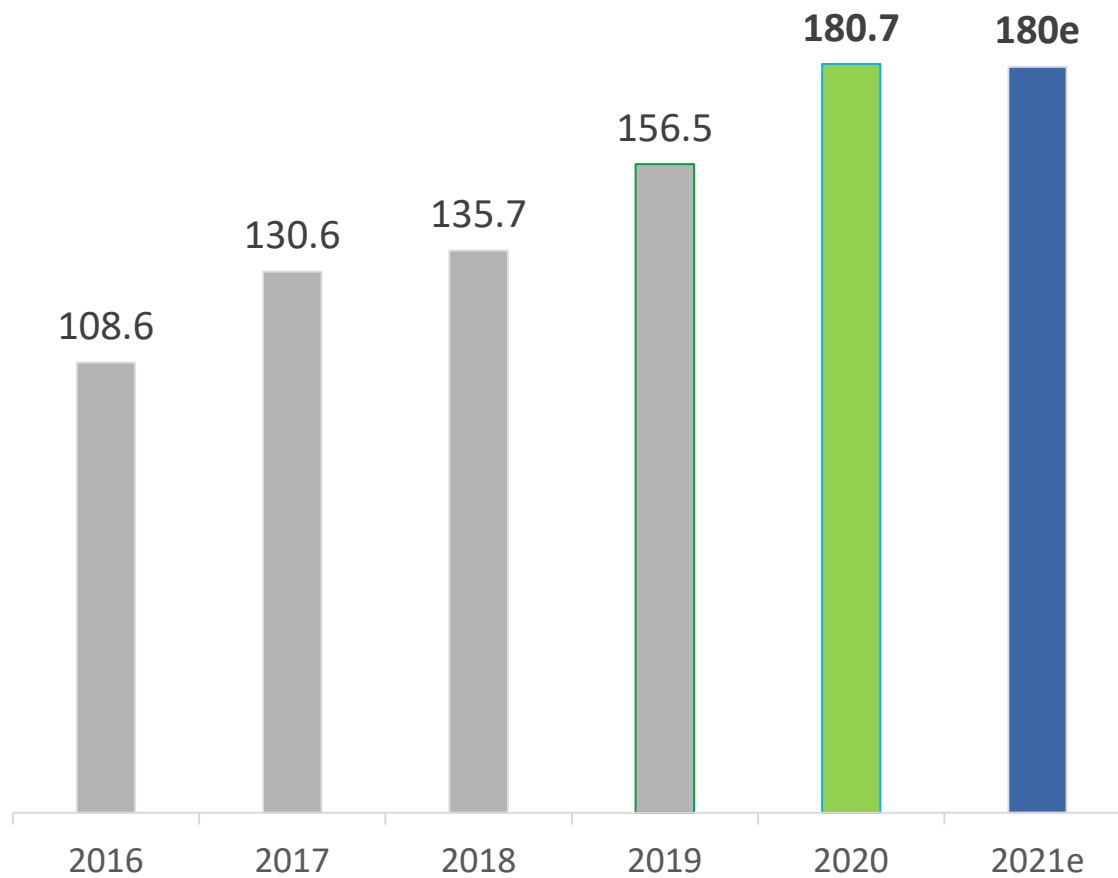
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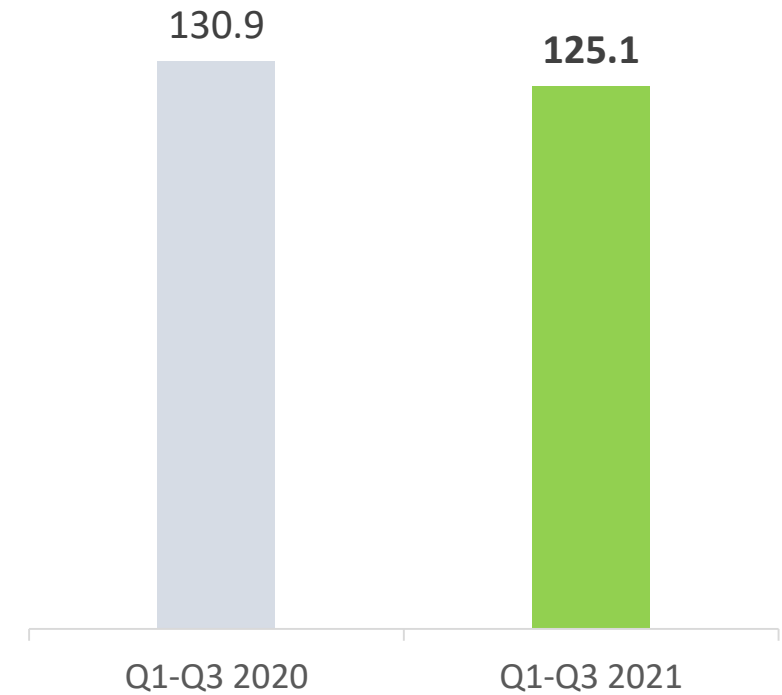
# Revenues

(EURm)

Growth target for FY 2020 achieved: + 15.5 %



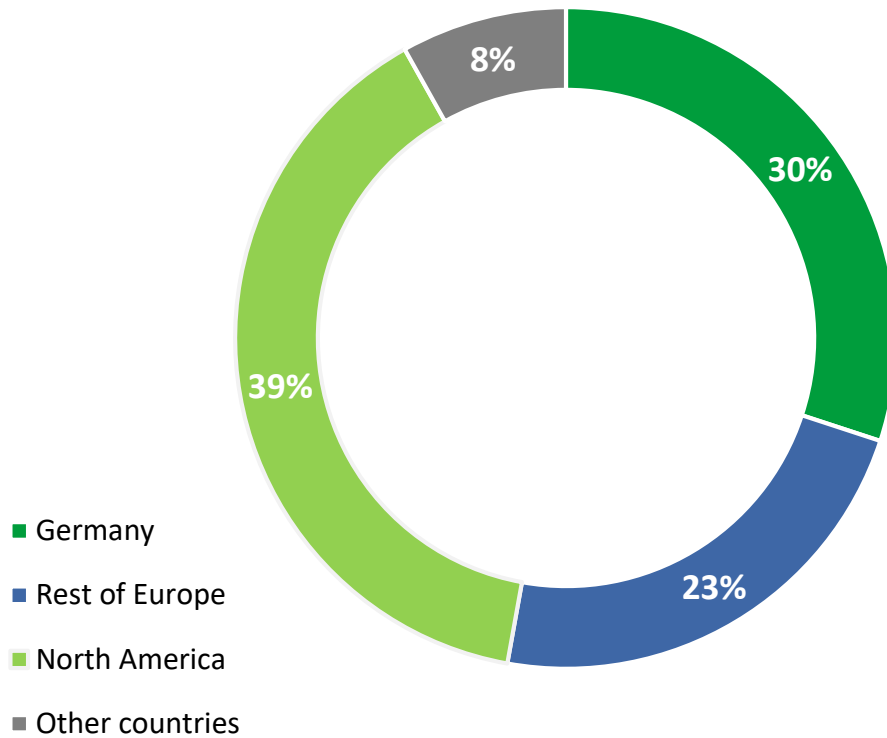
Around 5% below  
previous year's level



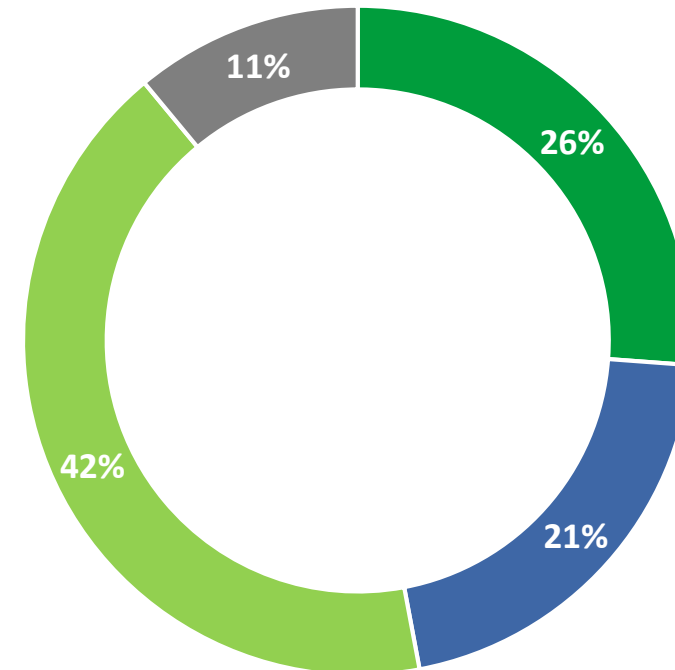
# Revenues per region

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**Average 2015 - 2019**



**2020**

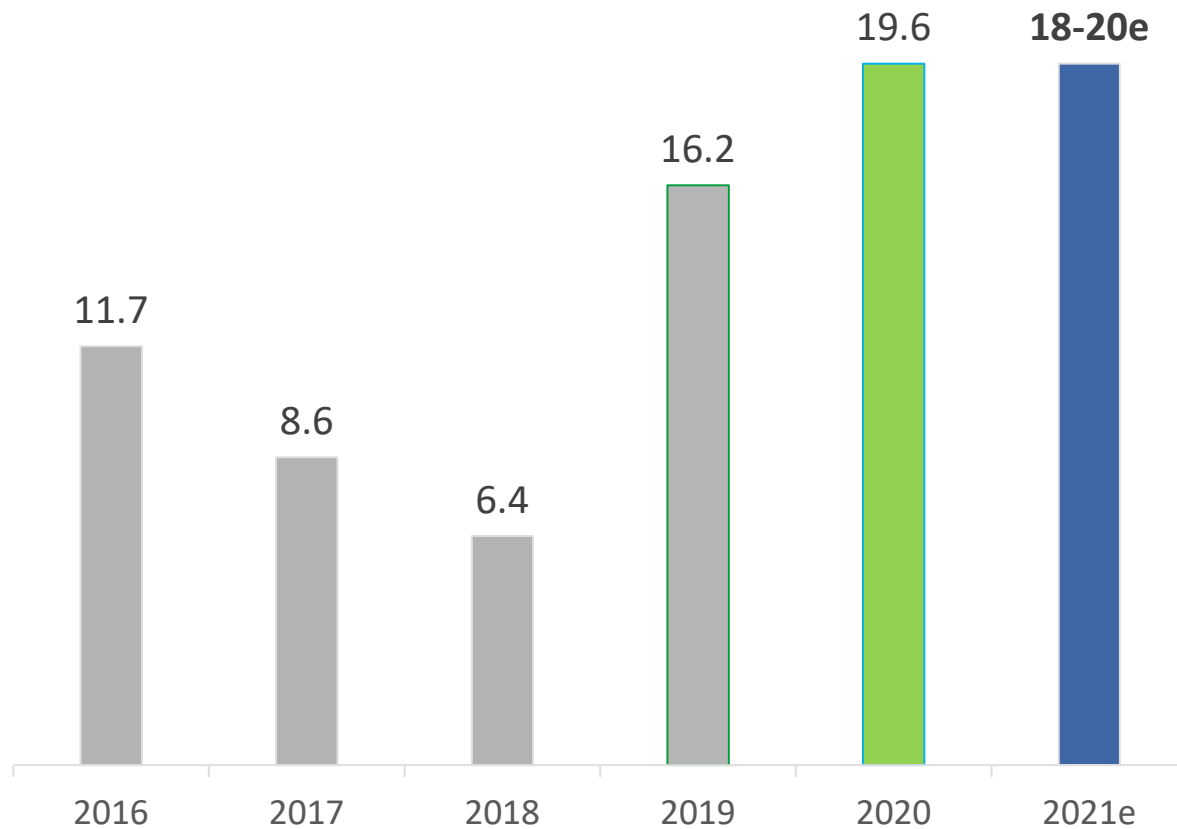




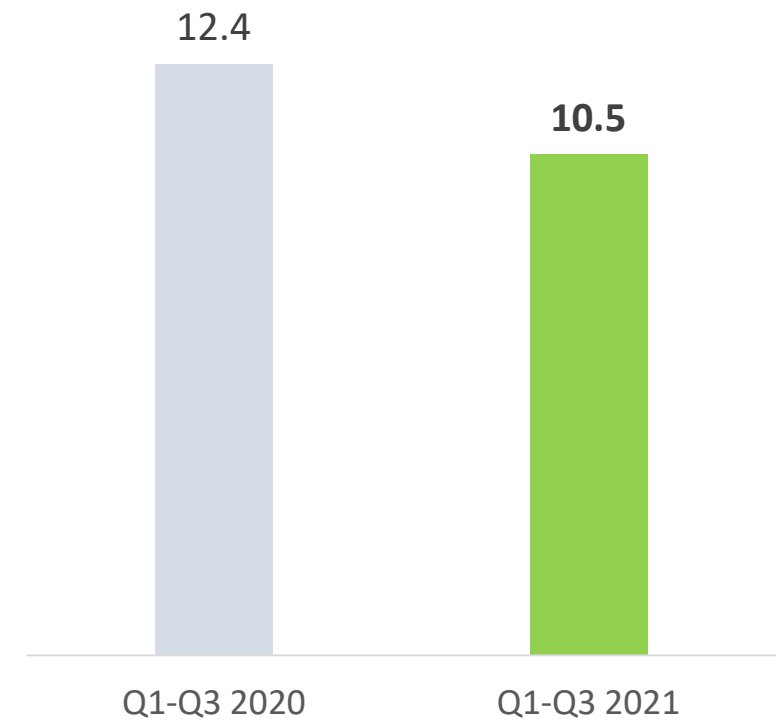
# EBIT

(EURm)

EBIT margin further increased: around 11 %

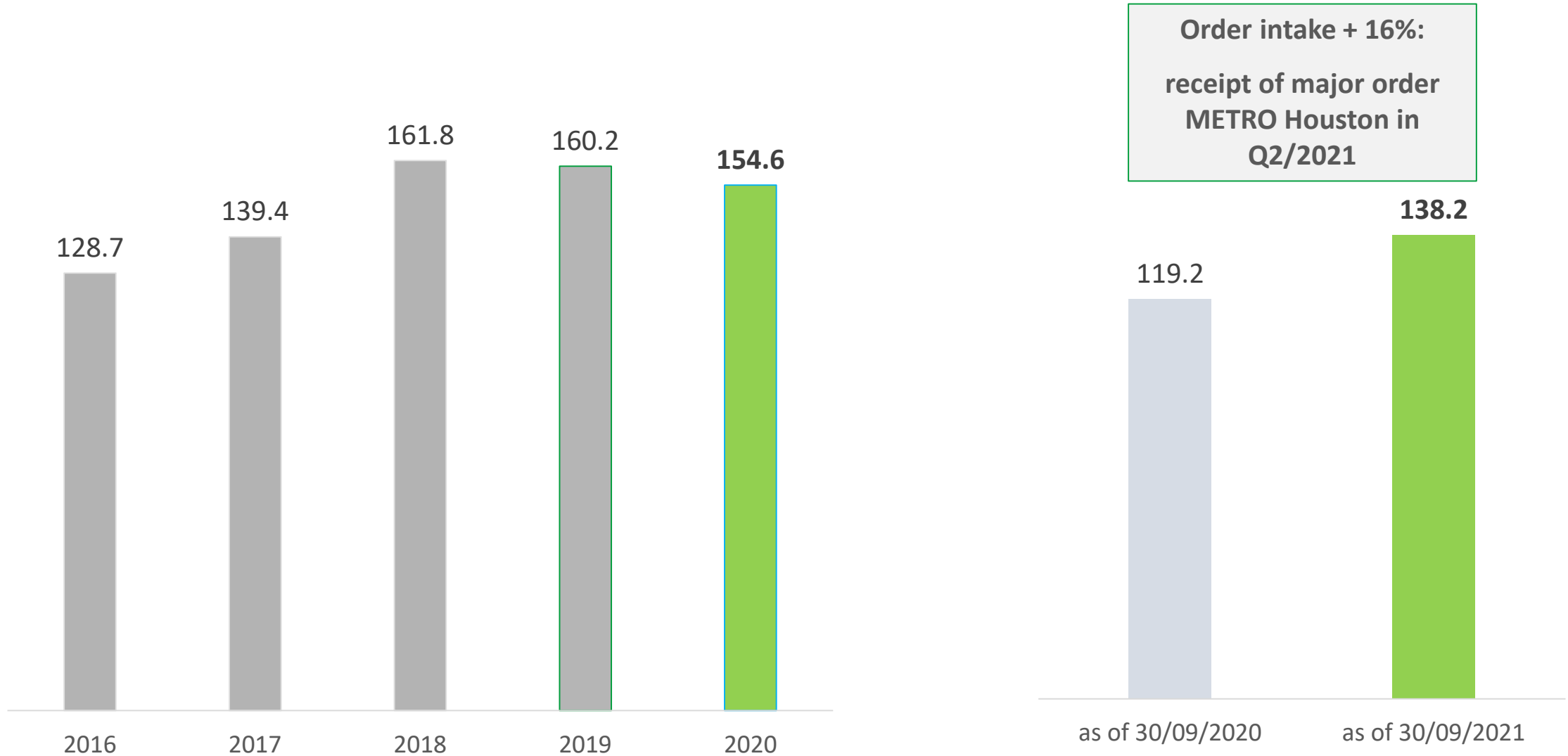


- Revenues development
- Increased procurement expenses
- Tense labour market



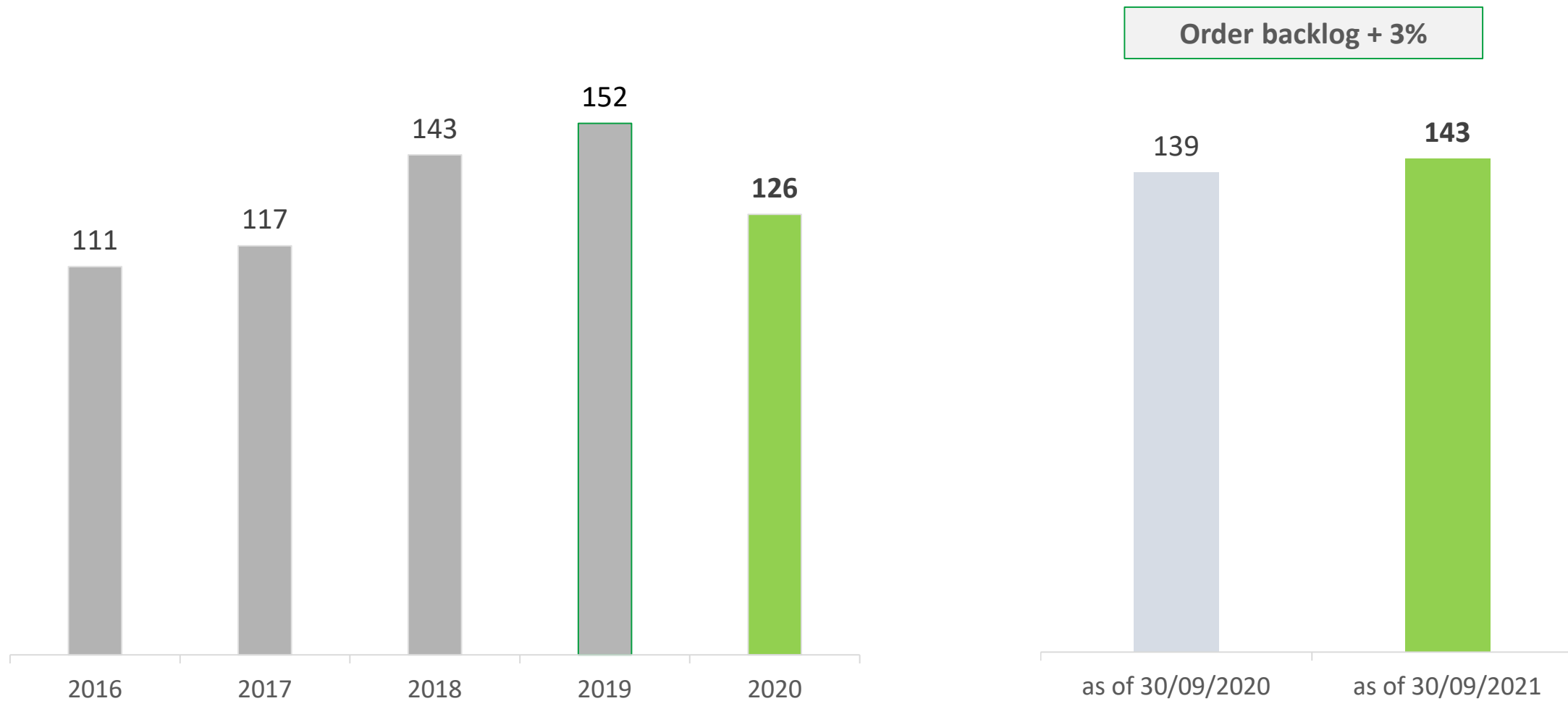
# Order intake

(EURm)



# Order backlog

(EURm)

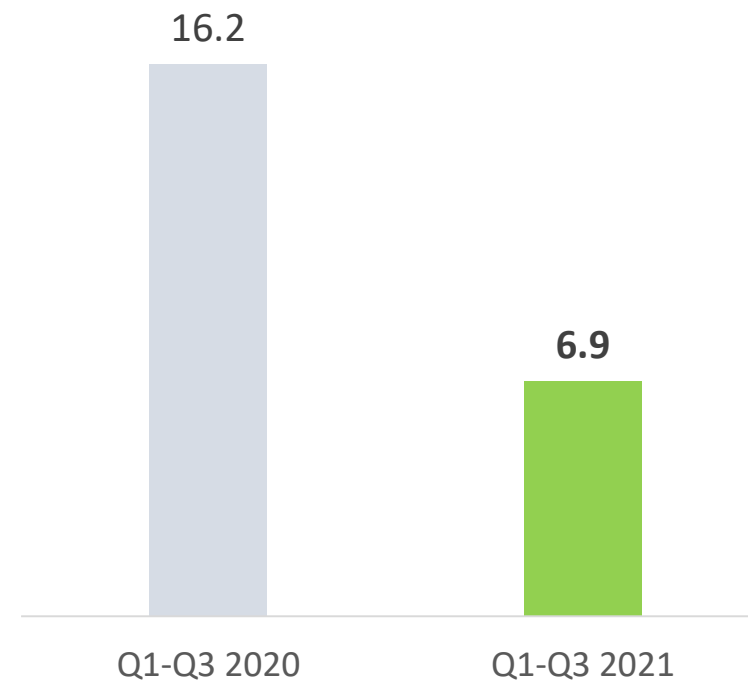
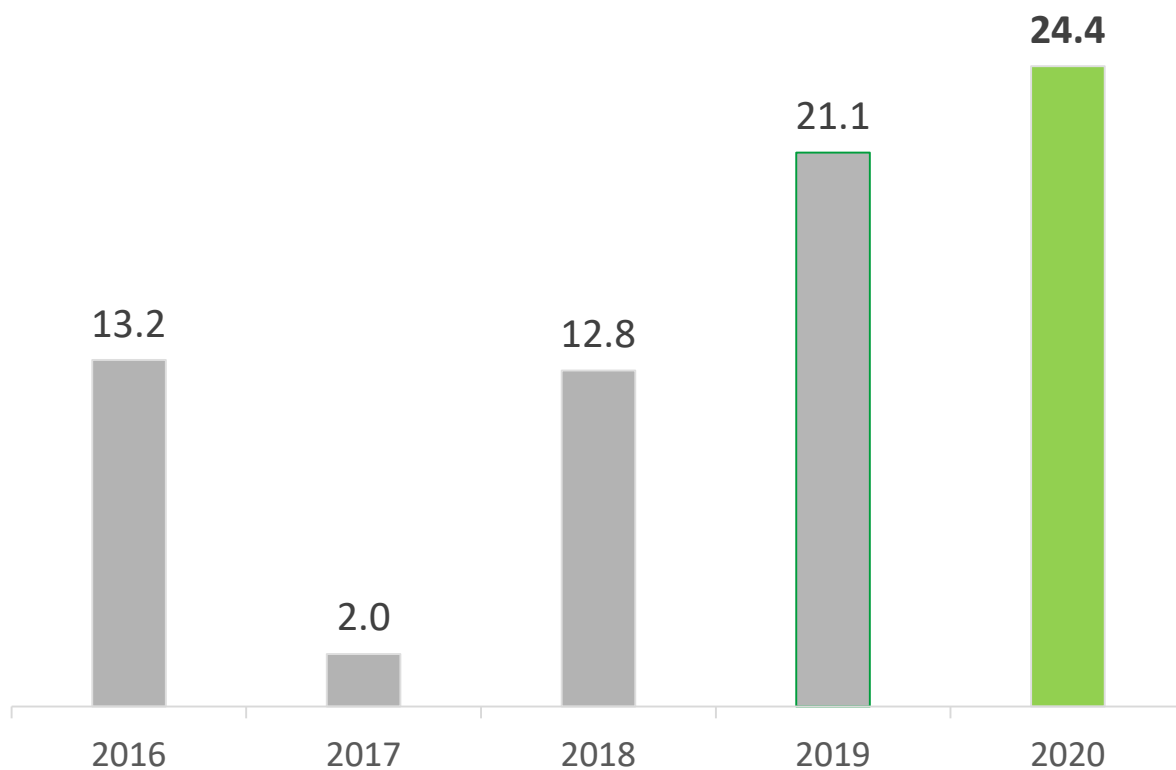


# Operative cash flow

(EURm)

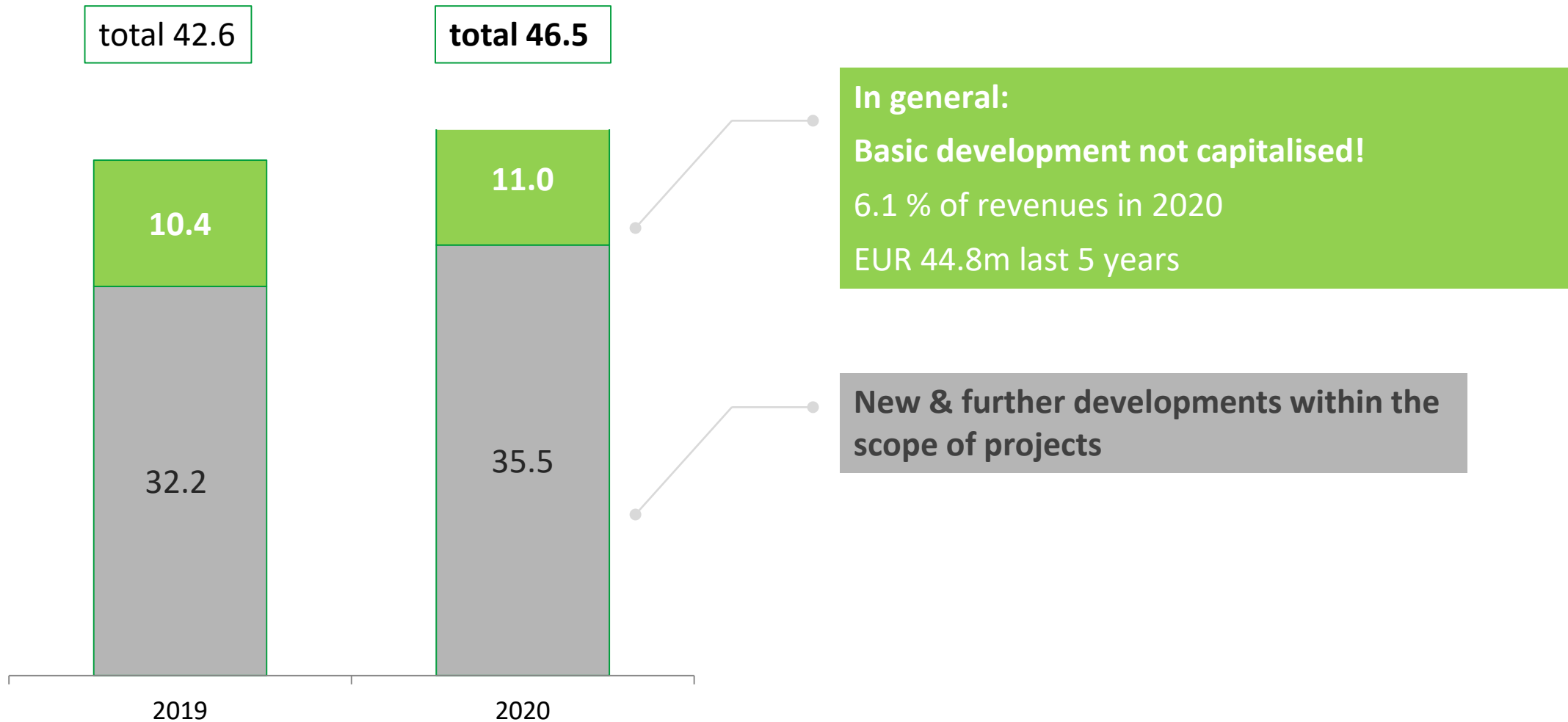
Significantly above previous year: + 16 %

- Stronger reduction of:
  - Contract liabilities
  - Trade accounts payable
  - Provisions
- Increase in inventories



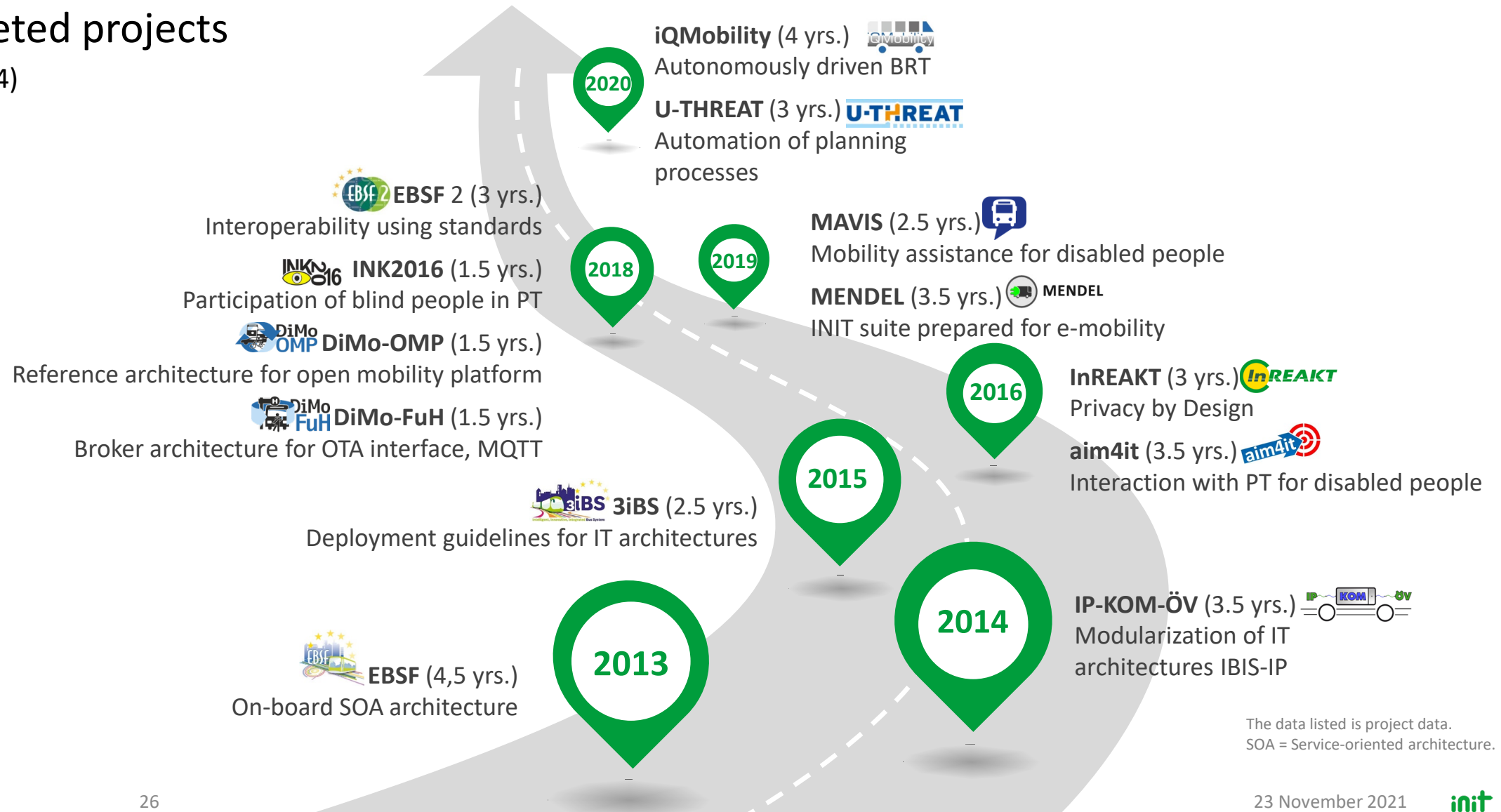
# Expenditure R&D

(EURm)



# Innovation leadership through research projects

## Completed projects (since 2014)





# Research project aim4it and MAVIS 2017 – 2019



Target: Barrier-free access for passengers with special mobility needs

- Easy use for
  - Mobility-impaired.
  - Visually-impaired.
  - Hearing-impaired.
- Individual planning.
- Individual travel support, e.g. interior and exterior vehicle announcements and information to the bus driver.



Result: MAVIS App and init product ASSISTIVetravel.

# Research implementation barrier-free access



## MAVIS APP awarded twice

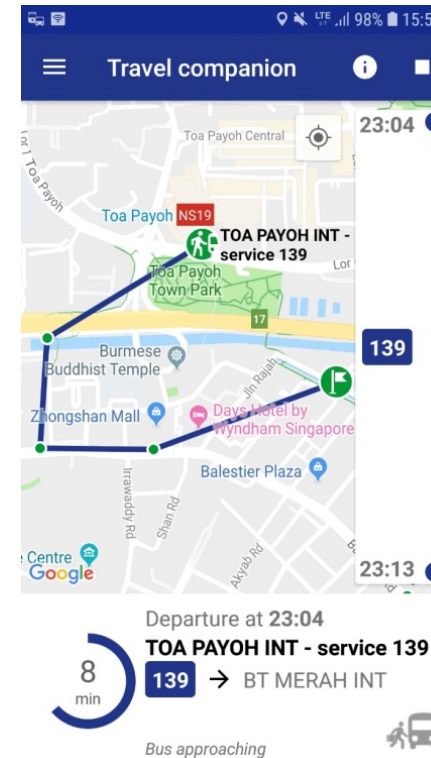
- **UITP Innovation Award**  
Category: *Diversity & Inclusion*.
- **Asia Pacific**  
Special Recognition Award.

## ASSISTIVetravel in use in Singapore

Land Transport Authority of Singapore (LTA) - lighthouse project.

## Legal requirement in Germany

From 2022, accessibility in public transport will be a legal requirement.



**WINNER**  
CATEGORY  
Diversity & inclusion



# Research project MENDEL Jan 2016 – Jun 2019

Target: Cost-efficient charging infrastructures for electro-mobility

- Consideration of vehicle driving ranges in planning and operation.
- Iterative optimization of electric bus circulations and charging infrastructure.
- Integration of ITCS and charging management.
- Centralized public transport management taking charging status into account.



Result: init product suite eMobile.



# Research implementation electromobility

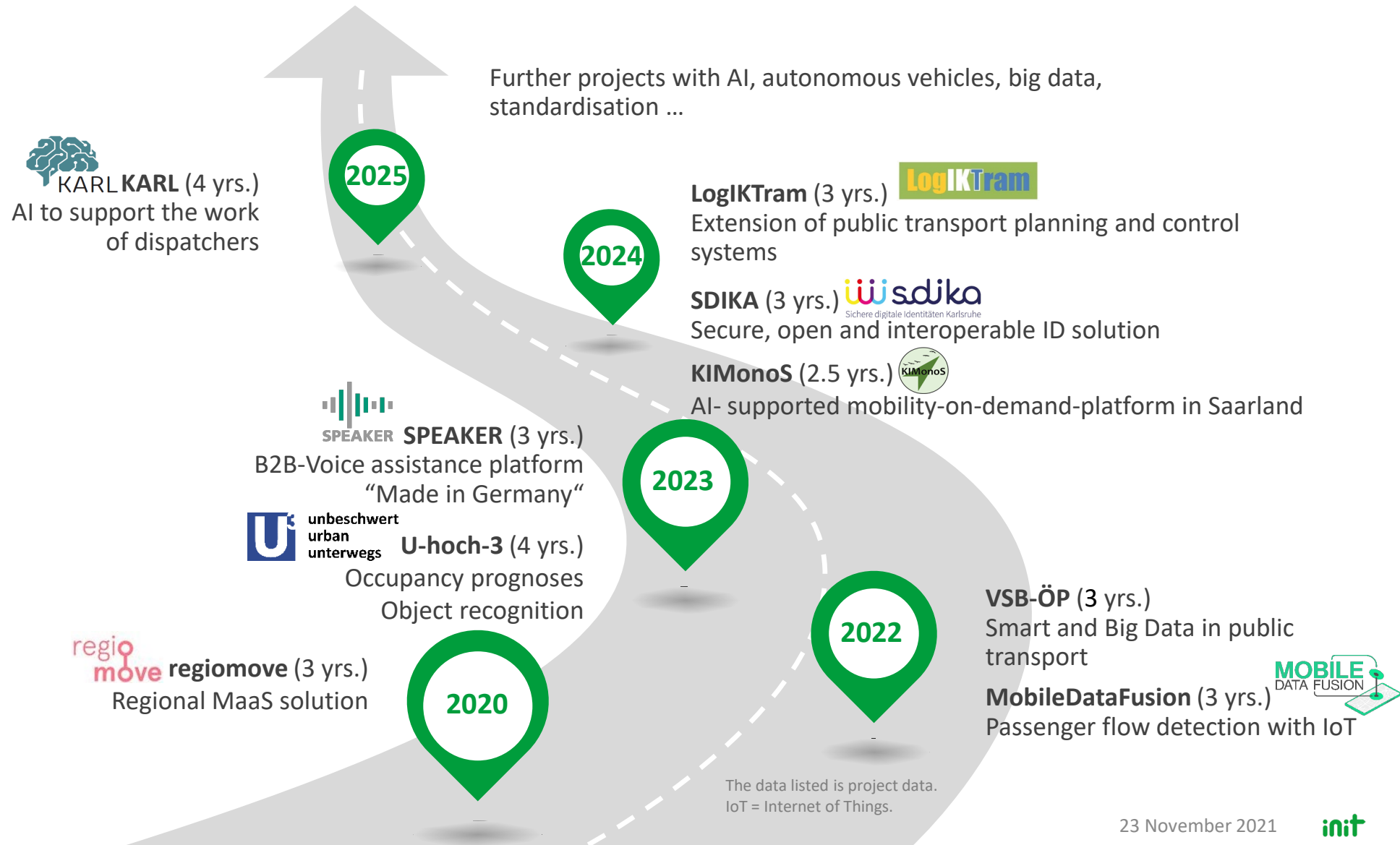


- Integrated product suite **eMOBILE** optimises planning and operation.
- Total revenue meanwhile about EUR about 5 million.
- Number of electric buses growing rapidly worldwide.
- First international successes.



# Research roadmap

## Current projects



# Growth areas

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## Important activities:

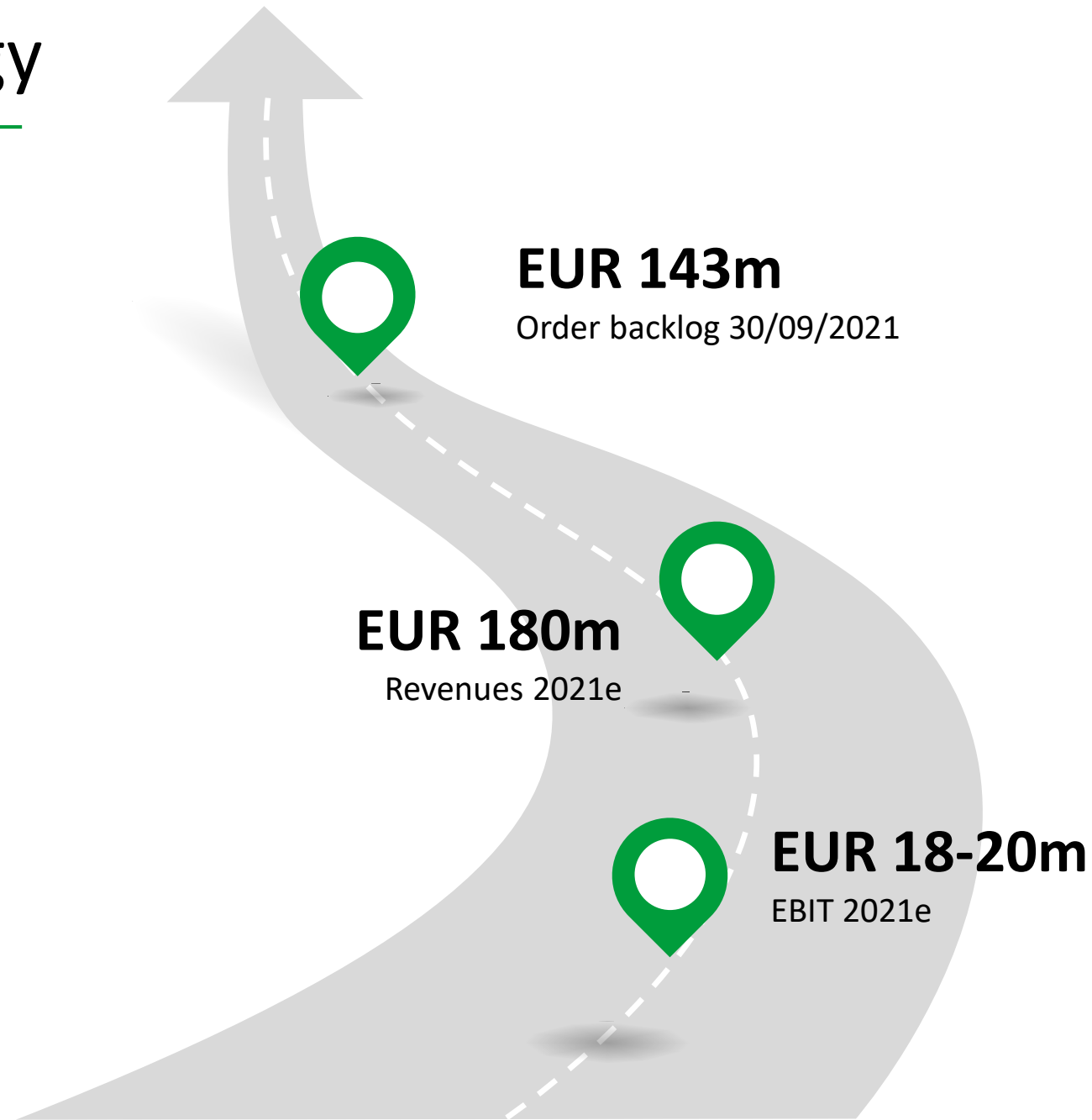
- Large scale **ID- and Account based ticketing** systems (similar to METRO/Houston).
- New product: **Next Generation** fleet management (ITCS nextGEN), planning and dispatching systems.
- New product: Fleet management for **Rail Systems** (ITCSrail).
- New product: Support **E-mobility** for public transport in all aspects of service: Planning, operations, charging, depot management etc.
- New product: Real-time **Automatic Passenger Counting** and passenger guidance systems (MOBILEguide).
- New product: **MaaS** platform for planning, real-time information and ticketing for multi- and intermodal services (public transport, car and bike rental, scooters etc.).
- On the horizon: **Autonomous driving** in public transportation.



# Roadmap strategy

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- ✓ Existing revenue and EBIT target for 2021 achievable.
- ✓ Depending on further developments in the procurement and labour market.



A blurred photograph of a city street, likely in Karlsruhe, showing a tram in the foreground and buildings in the background. The image is overlaid with a green tint.

# Thank you for your interest.

# init

## Financial Calendar 2022

**24 March 2022**

Annual Report Financial Year 2021

**12 May 2022**

Quarterly Statement Q1 2022

**18 May 2022**

Annual General Meeting 2022

**10 August 2022**

Half-Year Financial Report 2022

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