dev.house

We develop digital VALUE

ATLAS DEMODAY

HELLO & WELCOME!

DAVID HAHN
Managing Director

ALEXANDER HAMMERSCHMIDT
Managing Director

ATLAS DEMO DAY
AGENDA

01 Company Introduction

02 ATLAS Livestock Use Case

03 trace.way Application Live Demo

04 trace.way integration API

05 Annex

01 | COMPANY **INTRODUCTION**

DAVID HAHN

Dipl.-Inf (FH) | Managing Director

CORE COMPETENCE

15 years in the IT Industry
Agile Software Development
Software Architect

CAREER EXPERIENCE

Business Development
Frontend and Backend Software Engineer
Full-stack Architect, Scrum Master

CERTIFICATION

Scrum Master

DEGREE

Computer Science and Media Applications at
University of Applied Sciences in Osnabrück

ALEXANDER HAMMERSCHMIDT

Dipl.-Kaufmann | Managing Director

CORE COMPETENCE

20 years in the IT Industry
Project and Application Management
Testing, Finance and Data Management

CAREER EXPERIENCE

Business Development, IT Management, IT
Service Management, Business Intelligence &
Finance Management, IT Consulting

CERTIFICATION

IPMA - Project Management
ISTQB® Foundation - Test Management
ITIL Foundation - IT Service Management

DEGREE

Business Economics at the University in
Osnabrück Germany

ABOUT US

dev.house company develops individual software solutions and provides support to companies with the highly skilled technical professionals in IT projects from the idea to the productive operation.

20 YEARS
IT Project Experience

We have more than 20 years of experience and competence in various complex IT projects in different industries with a wide range of technologies.

IT PROJECTS
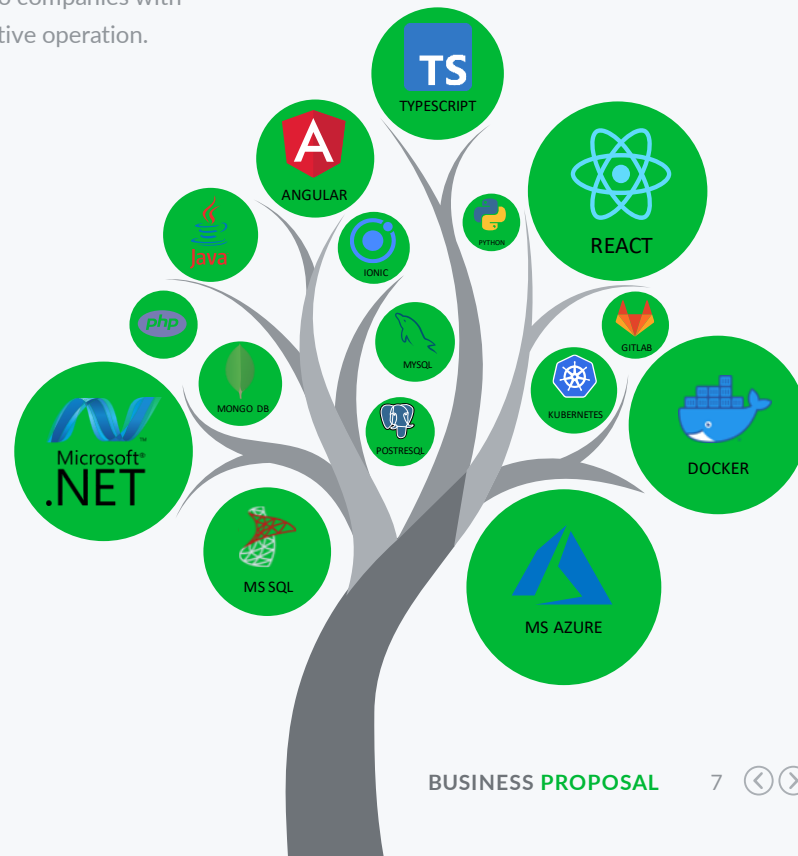
57 +

8
EXPERTS AS A CORE TEAM

10 +
DEVELOPER SPECIALISTS IN PROJECTS

TYPESCRIPT

ANGULAR

PYTHON

REACT

Java

IONIC

PHP

MYSQL

GITLAB

KUBERNETES

MONGO DB

POSTRESQL

DOCKER

Microsoft .NET

MS SQL

MS AZURE

OUR SERVICES

dev.house develops digital value and individual software solutions.

PROJECT MANAGEMENT

We support you in project planning, coordination and control, to ensure that the defined project goals are achieved qualitatively, on time and budget.

SOFTWARE DEVELOPMENT

We support your innovative product idea with technology and concept consulting. We help you with the developer resources and the required IT know-how.

TEST MANAGEMENT

We support you in the IT product specification and business analysis. We create also the required acceptance criteria and automated or manual test cases as requested.
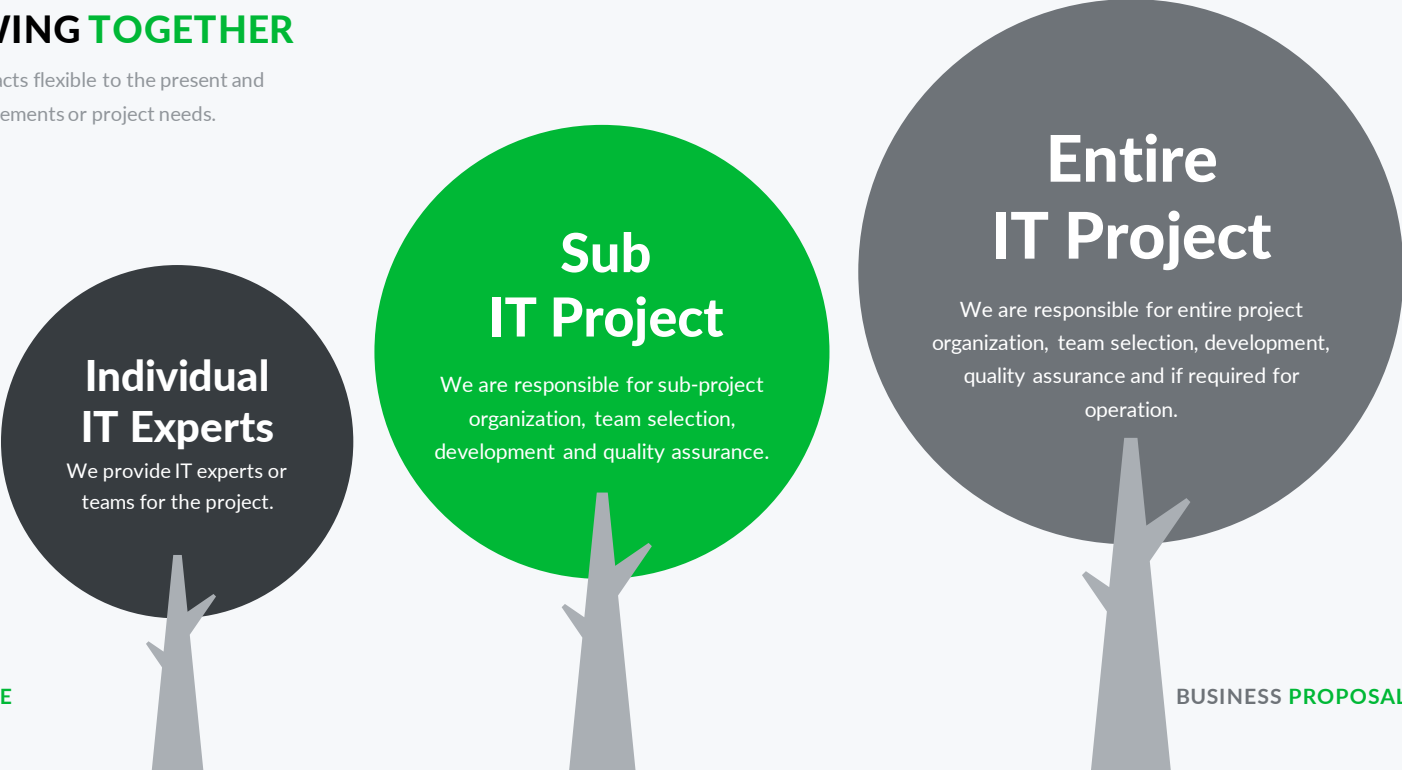
APPLICATION MANAGEMENT

We manage the complete operation of your applications, including end-user support, monitoring, alerting, service updates, service level agreements, release and incident management.

OUR COOPERATION **MODELS**

We provide you different models of cooperation depending on your requirements.

GROWING **TOGETHER**

Our team reacts flexible to the present and future requirements or project needs.

**Individual
IT Experts**

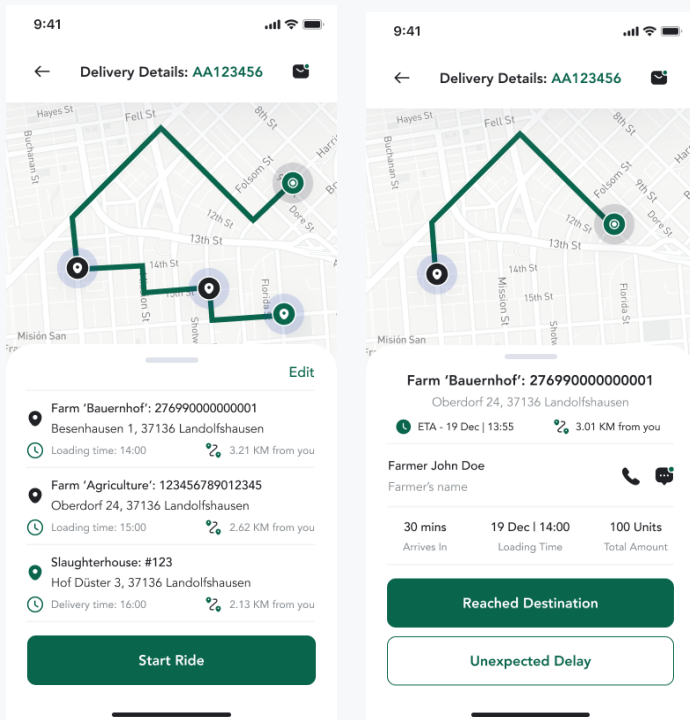We provide IT experts or teams for the project.

**Sub
IT Project**

We are responsible for sub-project organization, team selection, development and quality assurance.

**Entire
IT Project**

We are responsible for entire project organization, team selection, development, quality assurance and if required for operation.

ONE OF CURRENT PRODUCTS - TRACE.WAY APP

dev.house GmbH is consortium member of the European Union's Horizon 2020 Research and Innovation Program.

European Union

Start: 10.2022
End: 07.2023

Status: Green

"TRACE.WAY" APP

Our IT Service:
Project Management, Requirements Analyses, Development, Data Integration, Test Management, Application Management
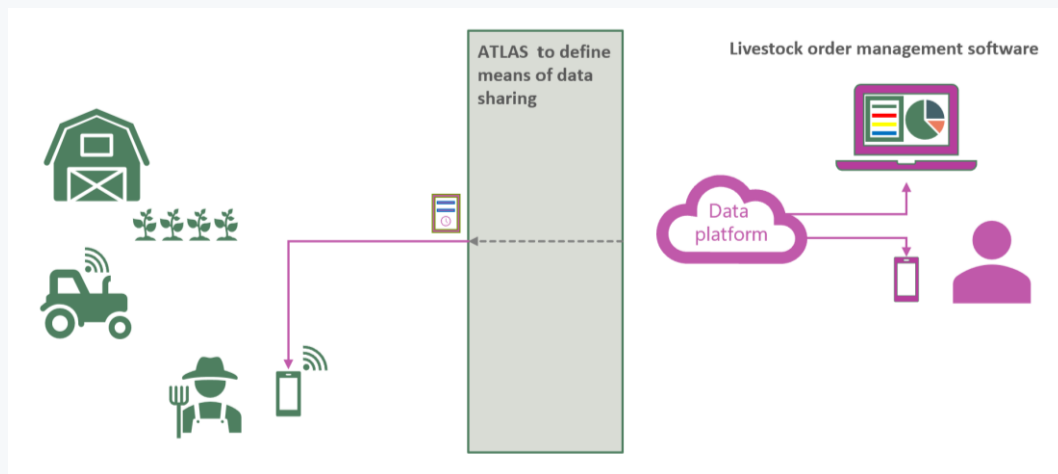
02 | ATLAS LIVESTOCK USE CASE

USE CASE #1A LIVESTOCK COLLECTION FROM A FARM

As a farmer who raises livestock, I want to know exactly when or at what time the driver will collect my livestock from my farm so that I can make the appropriate preparations for livestock loading.

FARMER'S REQUIREMENTS

1. Information about own delivery: which and how many goods were registered for delivery.

2. To see a map with the driver's location: estimate the driver's arrival time to make all livestock loading preparations. Also, the map can be helpful if the driver gets lost. Can look where he is and help him to find the right way.

3. To see the approximate loading time. That is a planned time when the driver should arrive.

4. Information about the delay when the driver has some troubles on the road.

ATLAS to define means of data sharing

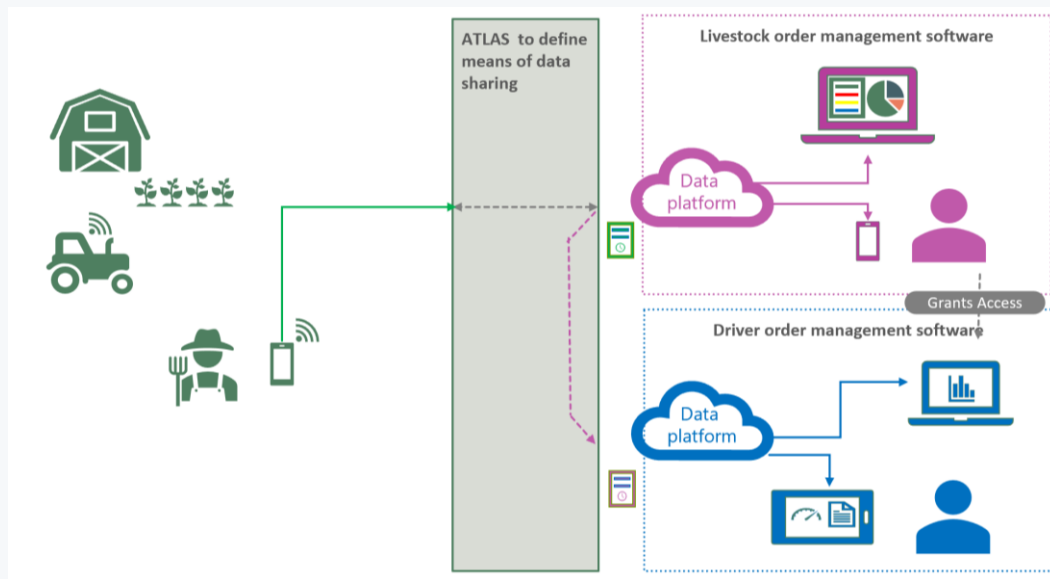Livestock order management software

Data platform

USE CASE #1B LIVESTOCK COLLECTION FROM A FARM

As a livestock trader or driver who transports livestock to the slaughterhouse, I would like to know exactly when or at what time the farmer makes his pigs available for transport at the farm so that I can make the appropriate preparations for collection.

DRIVER'S REQUIREMENTS

1. Information about the farms which the driver must visit: their name, location and addresses.

2. To see the loading time and distance from my current location.

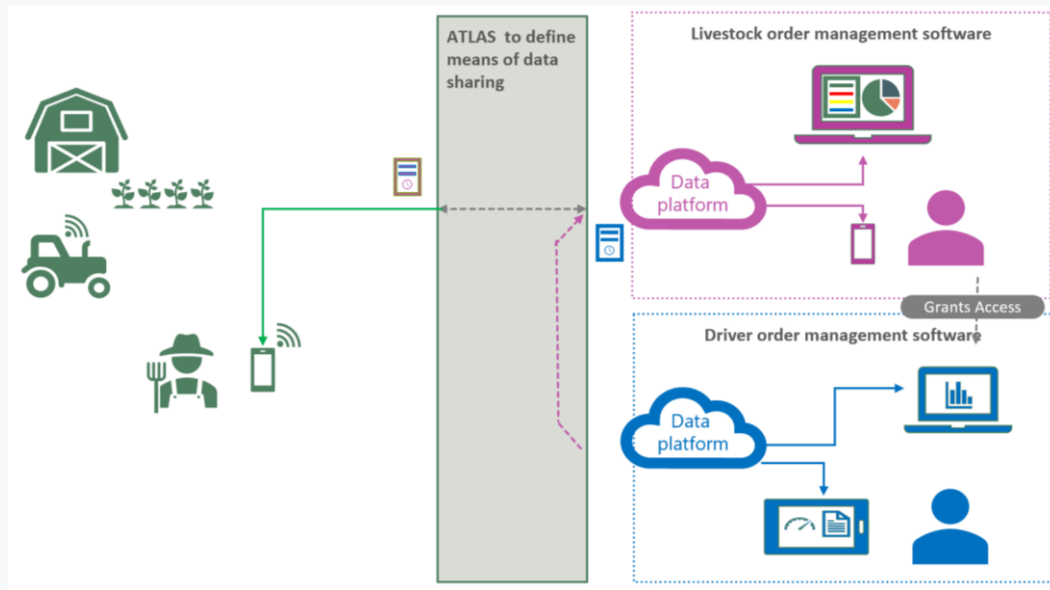3. Information about products for delivery. To verify loading goods amount with planned.

USE CASE #1C LIVESTOCK COLLECTION FROM A FARM

As a slaughterhouse operator, I would like to know exactly when or at what time the farmer or the transport company delivers makes the livestock available for slaughter so that I can make the appropriate preparations for unloading and slaughter.

SLAUGHTERHOUSE REQUIREMENTS

1. Information about the delivery time. That is a planned time when the driver should arrive.

2. To track how is the delivery going on (delivery progress and unexpected delays). It should help to prepare a place to unload goods in time or postpone the unloading, cause of delays.

3. To see when the transport time is over and prefer the critical ones (livestock safety).

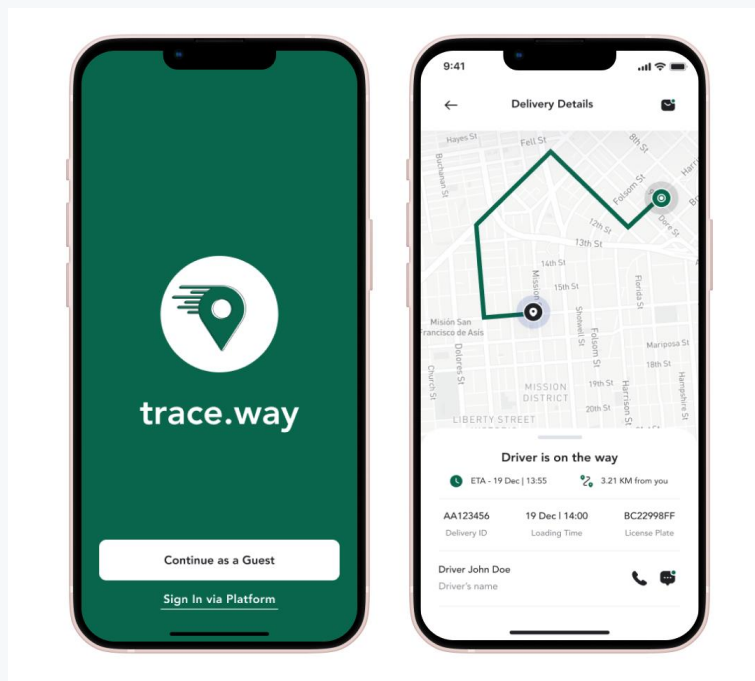4. To verify the unloading goods amount with planned and loaded.

03 | TRACE.WAY APPLICATION LIVE DEMO

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✓ To see the approximate loading time. That is a planned time when the driver should arrive.

✓ Information about the delay when the driver has some troubles on the road.
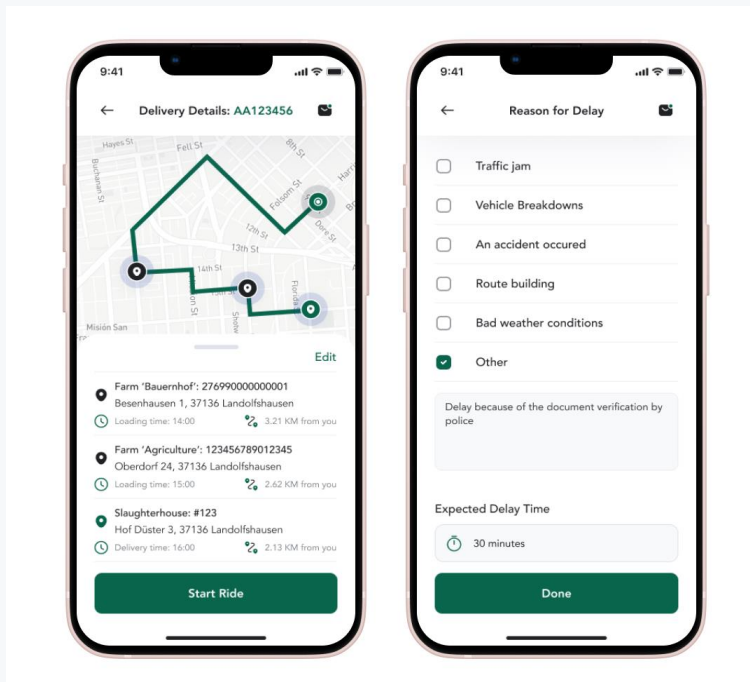
USE CASE #1B LIVESTOCK COLLECTION FROM A FARM

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DRIVER'S REQUIREMENTS

✓ Information about the farms which the driver must visit: their name, location, and addresses.

✓ To see the loading time and distance from my current location.

✓ Information about products for delivery. To verify loading goods amount with planned.
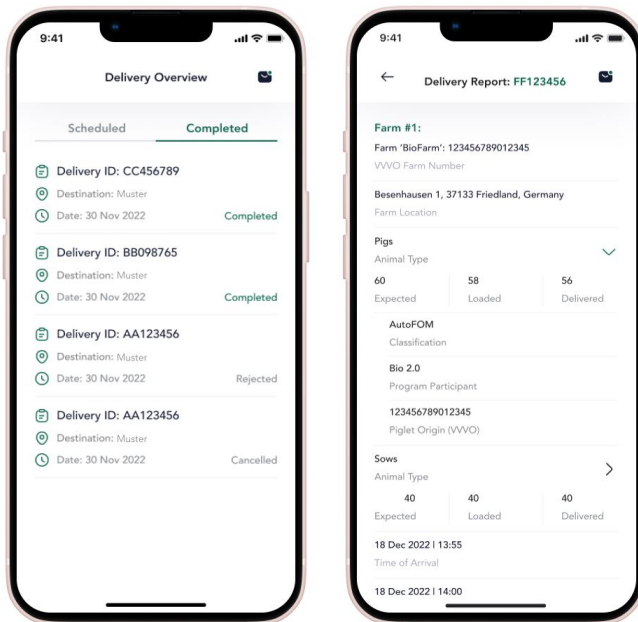
USE CASE #1C LIVESTOCK COLLECTION FROM A FARM

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04 | TRACE.WAY INTEGRATION API

TRACE.WAY INTEGRATION API

The trace.way API can be integrated via the asset tracking service template.
https://github.com/atlasH2020-templates/asset_tracking

Asset Tracking Service Template `1.0.0` `OAS3`

https://traceway-atlas-api-develop.azurewebsites.net/api/swagger.json

Enable real-time data exchange among parties in Livestock supply chain to address coordination and loading/unloading issues.

dev.house GmbH - Website
Send email to dev.house GmbH

Servers

[https://traceway-atlas-api-develop.azurewebsites.net/api ▾]   [Authorize 🔓]

Shipment   ⌄

| GET | /shipments/{shipment_id} Get shipment info | 🔒 |

| GET | /shipments List shipments | 🔒 |

| GET | /shipments/{shipment_id}/track Get tracking data for returnable assets. | 🔒 |

TRACE.WAY INNOVATION & BENEFITS

Within this EU ATLAS research project, we have successfully utilized the latest technologies and innovative IT software solutions to depict livestock transportation in a smart, easy, and digital manner.
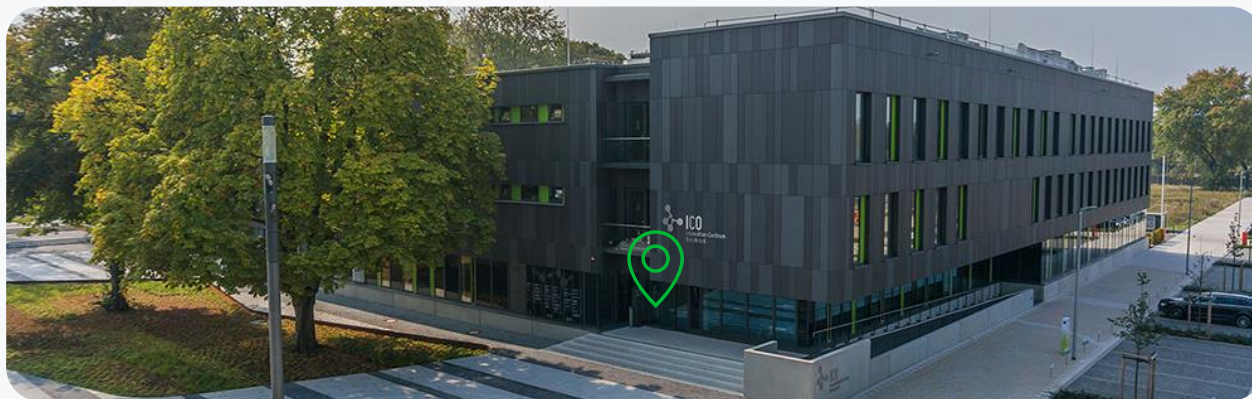
INNOVATION & BENEFITS

- ✓ The livestock order and transportation data exchange in a smart, easy, and digital manner.
- ✓ Automatic and sustainable documentation of deliveries.
- ✓ Automatic and sustainable monitoring of transportation routes and times.
- ✓ Automatic and sustainable monitoring of legally required. transportation times for live animals.
- ✓ Flexible response to transportation delays caused by traffic jams, accidents, and vehicle issues such as malfunctions or breakdowns.
- ✓ Increased transparency in the supply chain for farmers, transport companies, and slaughterhouse operators.
- ✓ Easy other system integration via a standardized API interface for data exchange.
- ✓ This approach can also be easily adapted to other industries.

European Commission

Horizon 2020
European Union funding
for Research & Innovation

trace.way

CONTACT US

Do you have any questions or other requirements? Please contact us!

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THANK YOU!

Have a good day and stay safe!