GaiaHub

GaiaHub

Transform urban data into climate action

with the GaiaHub Smart City Platform

Real-time emissions monitoring for smart cities

GaiaHub

RAPTOR

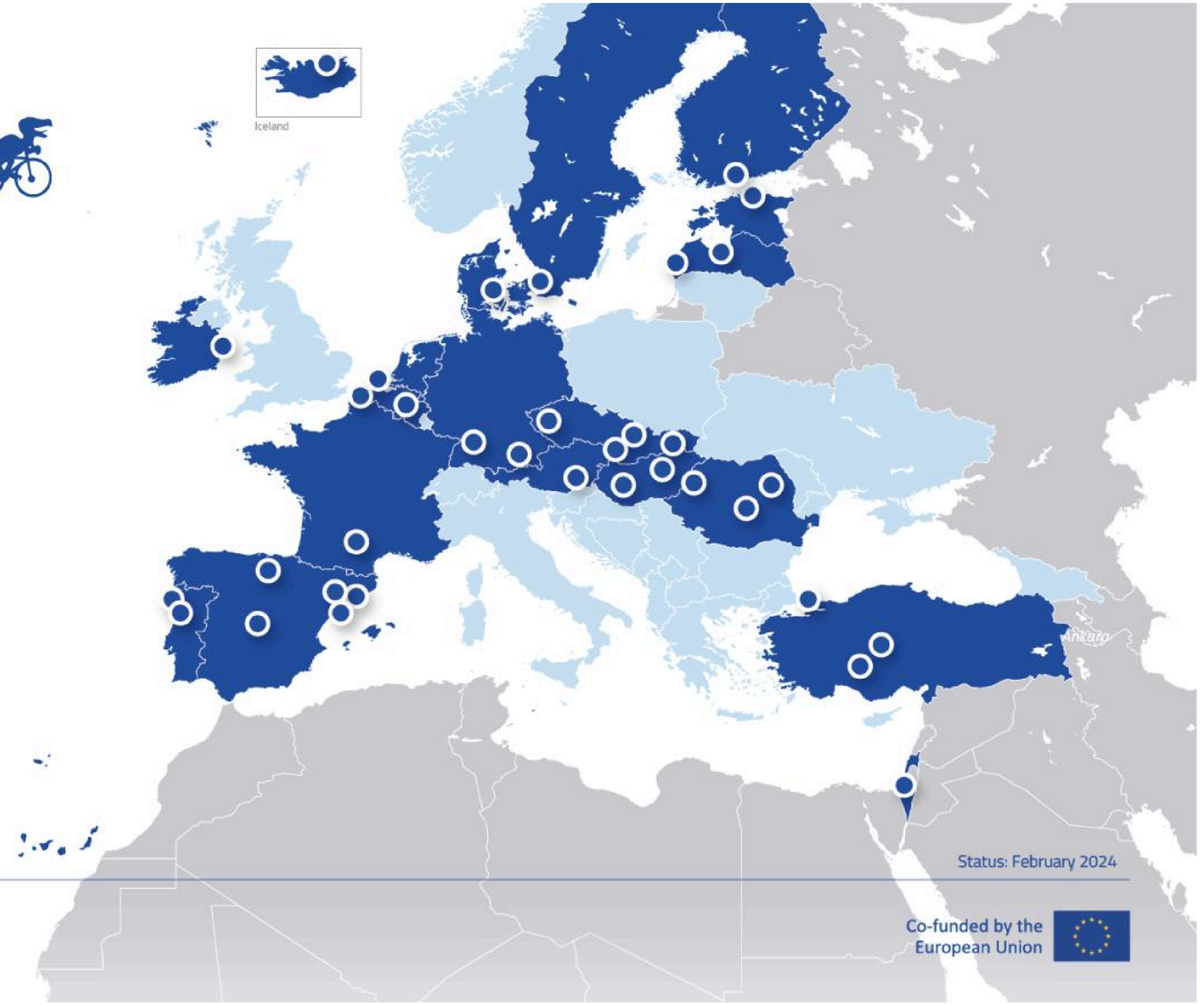
Creating impact in cities across Europe

44

PILOTS IN

36

CITIES



eit Urban Mobility

Co-funded by the European Union

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Getting Started

DEL 1: Commercial agreement/Equity agreement

€20.000 – first payment

Project implementation

Product/Service/Solution Development

Minimum 1 week in-situ demonstration

Final Steps

DEL 2 Final performance report

KPIs - evidences

€20.000 Final payment

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DEL 1 Commercial agreement/Equity agreement

1. Business registration documentation. Applicable only when PIC number is not validated.
2. Signed Financial Support Agreement **ASAP**
3. Signed Commercial Agreement/Equity Agreement **ASAP**

Remember to upload the signed Commercial Agreement/Equity Agreement to PLAZA platform

DEL 2 Final performance report

1. City acceptance letter – reception and testing in-situ of solution developed by SME
2. Compliance with branding:
   - EIT Urban Mobility 2023-2025 Brand Book. EIT UM Logo on 1st page of SME website by 1 November 2024.
   - EIT Urban Mobility 2023-2025 Communication Guidelines

EIT UM: KPIs achieved

1. KPI Marketed Innovation Template + proof
2. KPI Designed Innovation Template

Templates will be provided by EITUM

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Mandatory KPIs

1. KPI Marketed Innovation - Template

+ Documented <u>proof of at least €10.000</u> made by a customer/s:

- Official purchase order from the buyer including buyer invoice details (name, VAT, etc.). Invoice dates until **31 December 2024***
- Acceptance of invoice by the buyer AND/OR paid confirmation of the invoice (bank note)

2. KPI Designed/Tested Innovation - Template

- Short report with information on the innovative products/services, document describing innovative products/services, etc.

Marketed Innovation

Declaration of the product owner describing the innovativeness (new or significant improvement in terms of physical of functional parameters) of a product/process, link to the KIC societal challenge and the KAVA, as well as information on the KAVA investment in the innovation development.

Grant reductions:

1. EITHE02.4 Marketed Innovations: KPI 35% • All KPIs achieved: no reduction. • No KPIs achieved: 35% reduction. 2. KONHE20 Design/Tested Innovations: 5%. • All KPIs achieved: no reduction. • No KPIs achieved: 5% reduction.	Up to 40%

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Up to 70% of urban air pollution can come from traffic.

Increasing vehicle numbers make manual monitoring impossible.

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Cities struggle with this.

Decision makers

lack useful data for policy management.

Citizens

remain disconnected from environmental impact.

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Why current solutions fall short

Limited visibility into specific emission sources

Inability to measure policy effectiveness in real-time

Disconnect between technical data and actionable insights

Months-long delays with calculations and reports make it

impossible for policymakers to make timely, informed decisions about traffic.

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Clean cities are built with smart monitoring

Transform emissions data into actionable insights for cities and organisations

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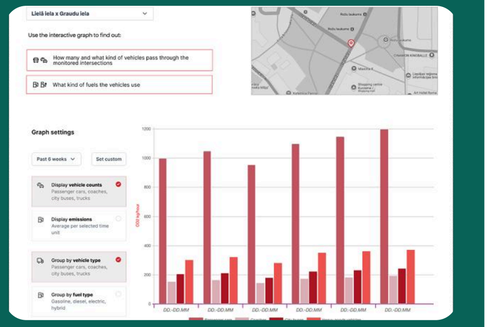
GaiaHub: The smart city platform that connects data to action

Advanced **license plate recognition** with secure data analytics

Real-time emissions monitoring at critical traffic points



AI-powered insights that inform both officials and citizens

Privacy-first approach with immediate data anonymisation

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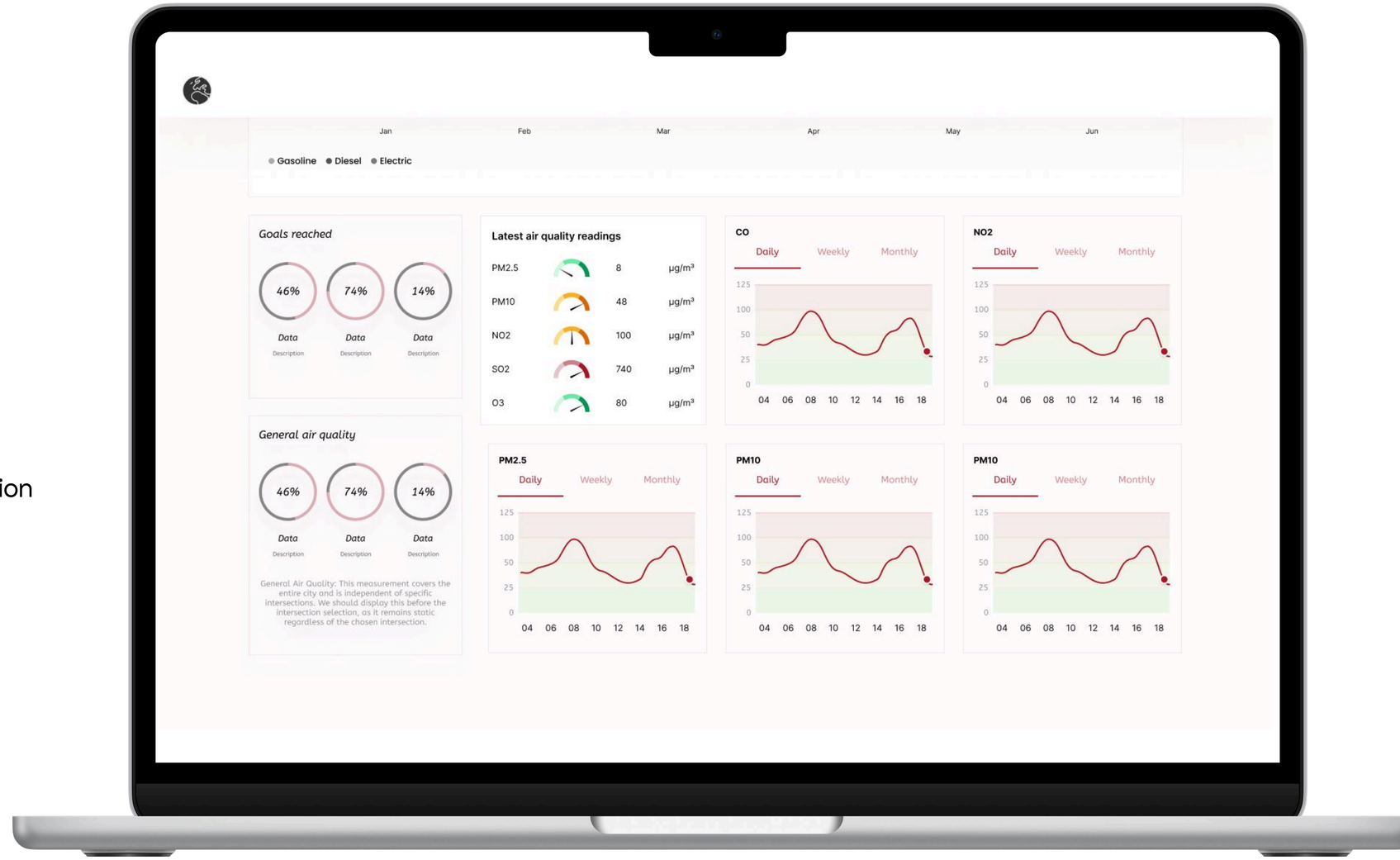
What we offer

Interactive dashboards

Precise vehicle identification and emissions calculation

Digital Twin technology

Scenario planning and predictive modeling



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Case study

Liepāja success story

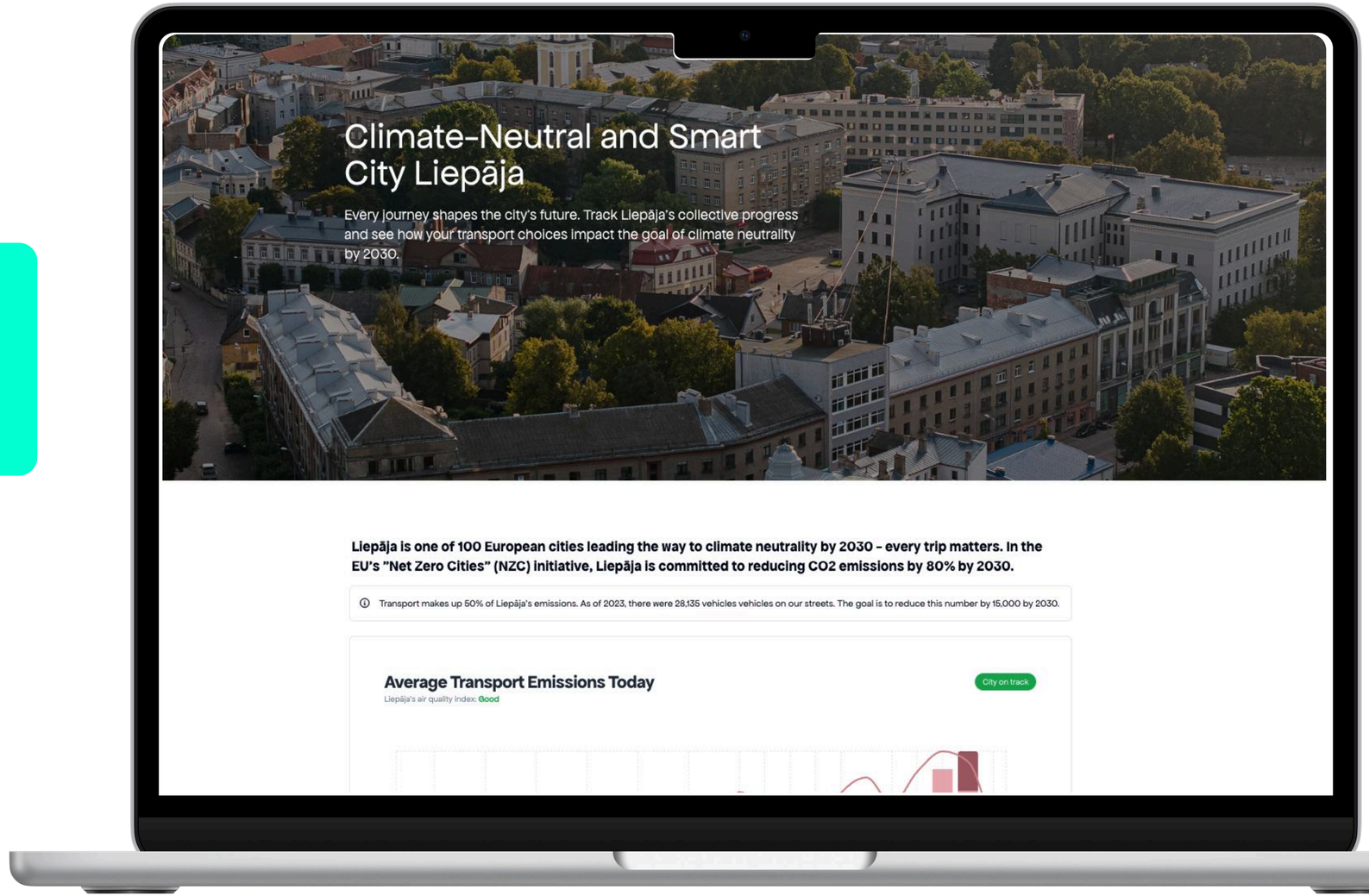
Liepāja used to do manual data collection from fuel stations with months of delay just to get an estimate of how much emissions came from transportation.

GaiaHub

Case study

Liepāja success story

GaiaHub helped them **transform the way they collect and analyse** transportation emissions data.



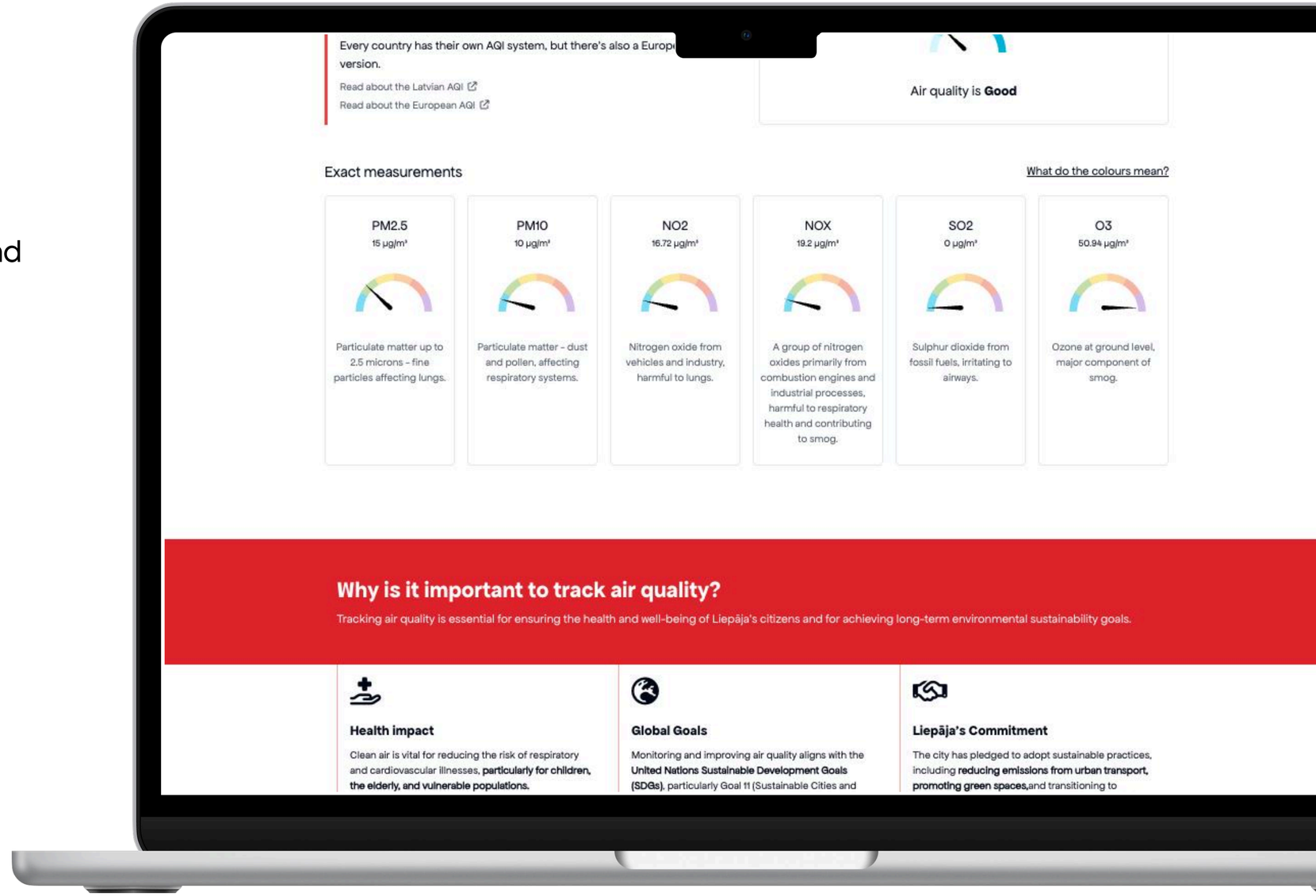
GaiaHub

Case study

Liepāja success story

The public web features information for the citizens, near-real-time interactive graphs and sources to learn more about Liepāja's commitment to climate neutrality.

- Educational dashboard explaining emissions **in accessible terms**
- **Transparent visualisation** of air quality and traffic patterns
- **Community engagement** through meaningful statistics
- **Building public support** for emissions reduction initiatives



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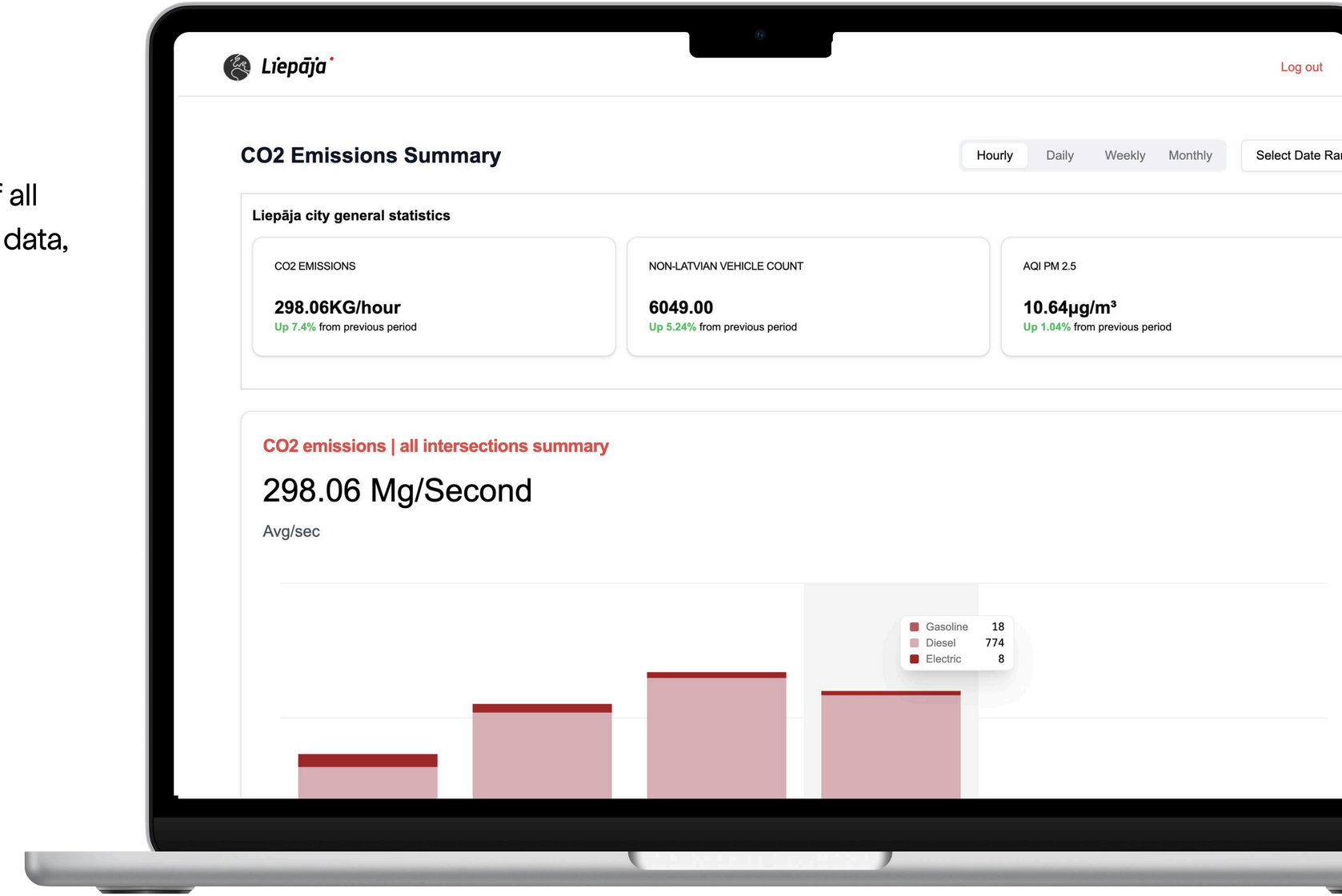
Case study

Liepāja success story

The admin portal features status updates of all cameras and sensors, near-real-time traffic data, trend predictions and reporting tools.



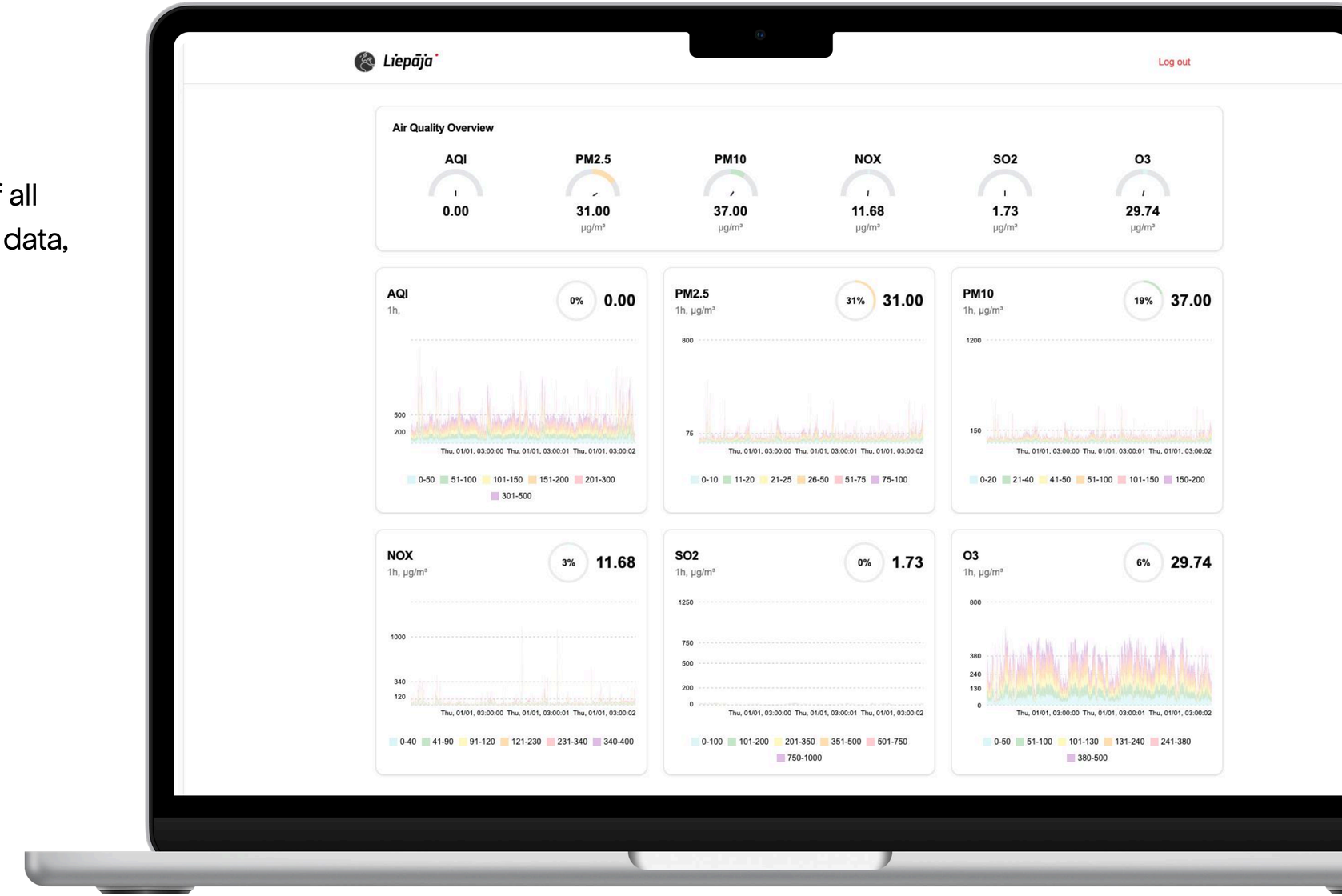
GaiaHub

Case study

Liepāja success story

The admin portal features status updates of all cameras and sensors, near-real-time traffic data, trend predictions and reporting tools.

- **Comprehensive emissions dashboard** with real-time updates
- **Detailed breakdowns** by vehicle type, fuel type, and time of day
- **Trend analysis and historical comparisons**
- **Custom report generation** for policy planning and stakeholder communication



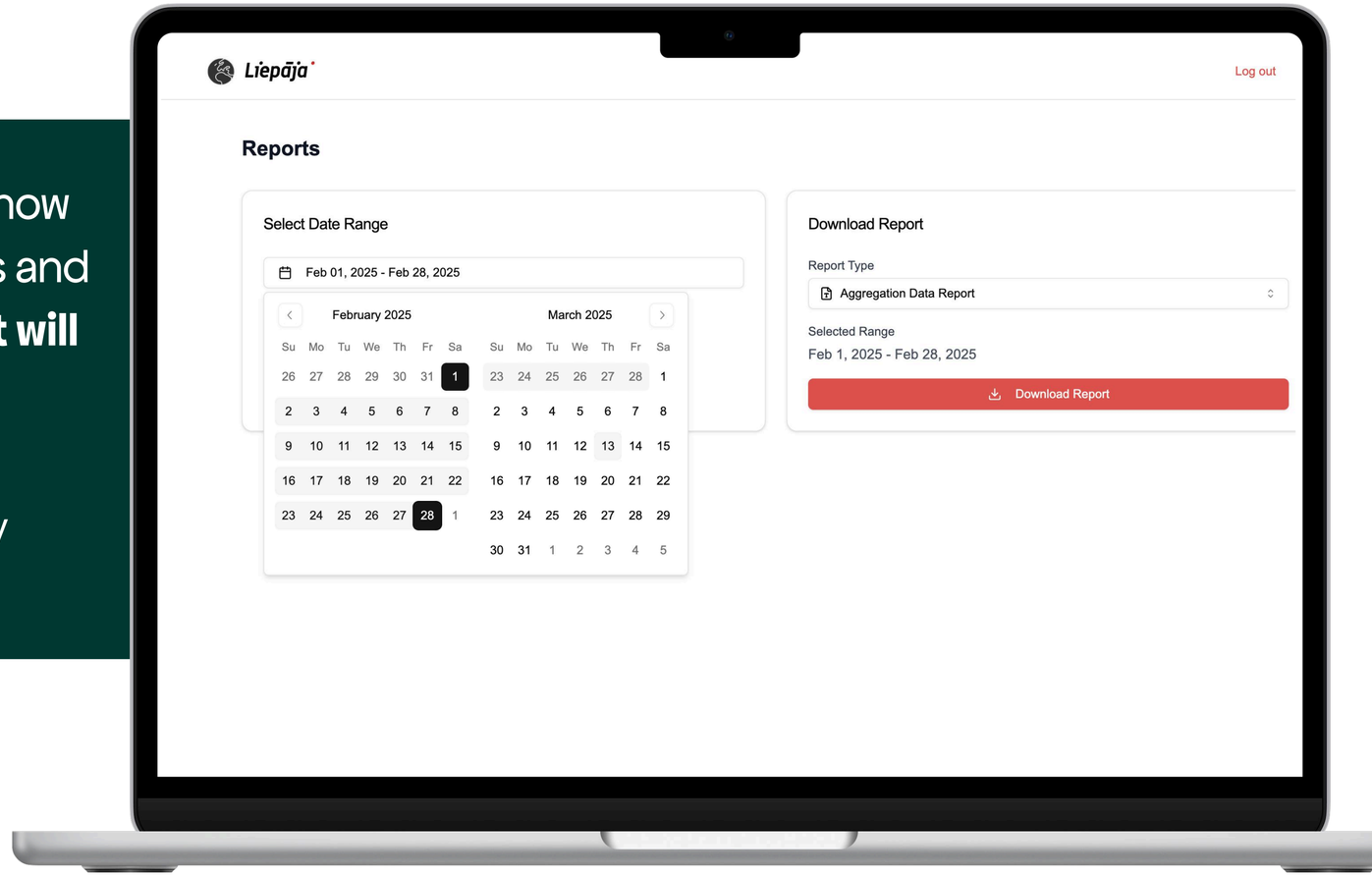
GaiaHub

Case study

Liepāja success story

”With GaiaHub **we see the data in real-time.** We know how many electric cars are crossing some streets and bridges. After that **we can see the trend and what will be the scenarios for the future.**”

– Kārlis Beihmanis, Executive Director’s Office, Liepāja City Council



GaiaHub

We help you move closer to important SDGs and make reporting them super simple.

Good Health and Well-being

Cleaner air means healthier people. By reducing vehicle emissions, we help everyone breathe easier and live better.

Sustainable Cities and Communities

Traffic monitoring and emission reduction make the city more livable and environmentally friendly. The result: cleaner air, less noise, and better spaces for everyone.

Climate Action

Each emission reduction contributes to fighting climate change. Walking, cycling, or taking the bus becomes part of the climate solution.

Industry, Innovation, and Infrastructure

Smart technology helps solve real urban challenges. This traffic monitoring system demonstrates how innovation can improve city life for everyone.”

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How we can help your city in 2025

Smart city admin portal for reports automation

Predictive modelling for policy impact assessment

Extension beyond traffic to other emissions sources

Custom **innovative citizen website**

Comprehensive Digital Twin for transport simulation

Hardware discovery and setup (sensors and more)

How GaiaHub starts projects with new cities

Initial consultation and traffic flow analysis

Strategic placement of monitoring points

Seamless integration with existing city systems

Custom dashboard creation for administrators and citizens

Ongoing support and data analytics

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Partners

RAPTOR

eit Urban Mobility

Co-funded by the European Union

Liepāja

GaiaHub

Team

Olena Chornovol

Co-founder & CEO

Chahinez Ounoughi, PhD

Co-founder & CTO

Riina Eedra

Co-founder & CBDO

Mervet Kägu

Co-founder & CLO

Helena Väinmaa

Co-founder & CPO

GaiaHub

Start your journey towards climate-smart urban management

Schedule a demo of smart city solutions

Discuss your city's specific mobility challenges

Learn how GaiaHub can transform your climate action strategy

Contact: hello@gaiahub.earth
Website: www.gaiahub.earth