



EMPOWERING  
ZERO-EMISSION  
CITIZENS



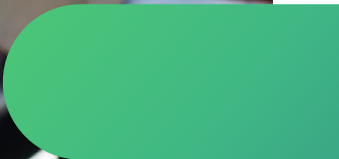
## Ambassadors Webinar AURORA Energy Tracker: Our App

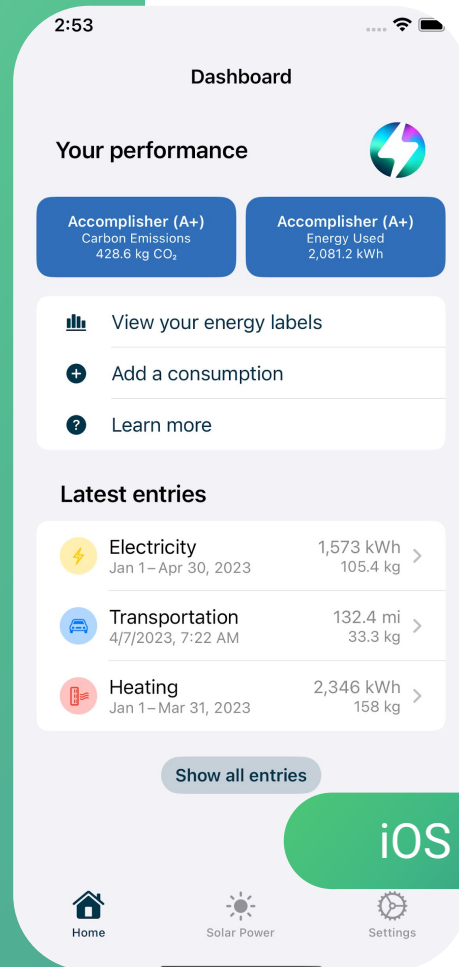
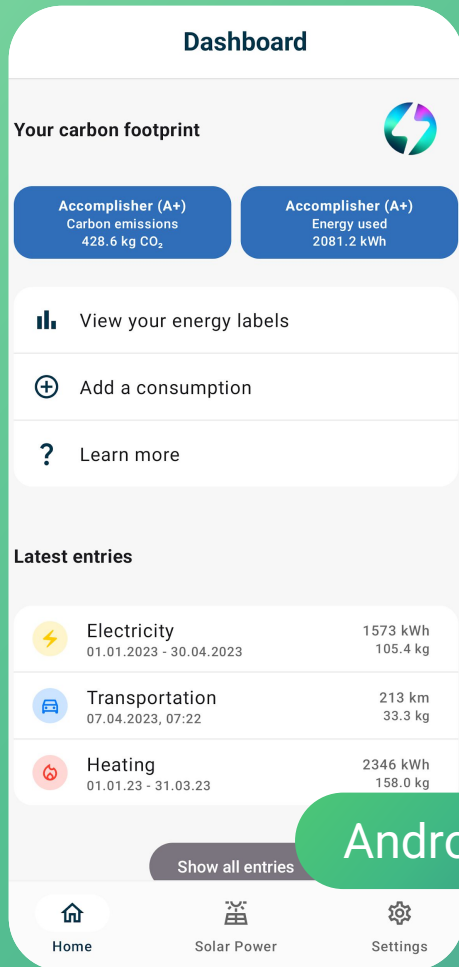
02<sup>nd</sup> October 2025

[www.aurora-h2020.eu](http://www.aurora-h2020.eu)



This project has received funding from the European Union's Horizon 2020 research and innovation programme under grant agreement No. 101036418.





# Status Quo

- The AURORA Energy Tracker mobile app has been publicly available for download **since Sept. 2023** (i.e. for 25 months)
- All **features** have been implemented
- **Major updates** have been released since then, based on internal and user feedback
- A **final update** will be released before the end of the project, enabling the Recommender Feature

*We will try to keep the app running for at least 18 months beyond the end of the project.*

# AURORA Energy Tracker

## Current Status

### Usage Snapshot

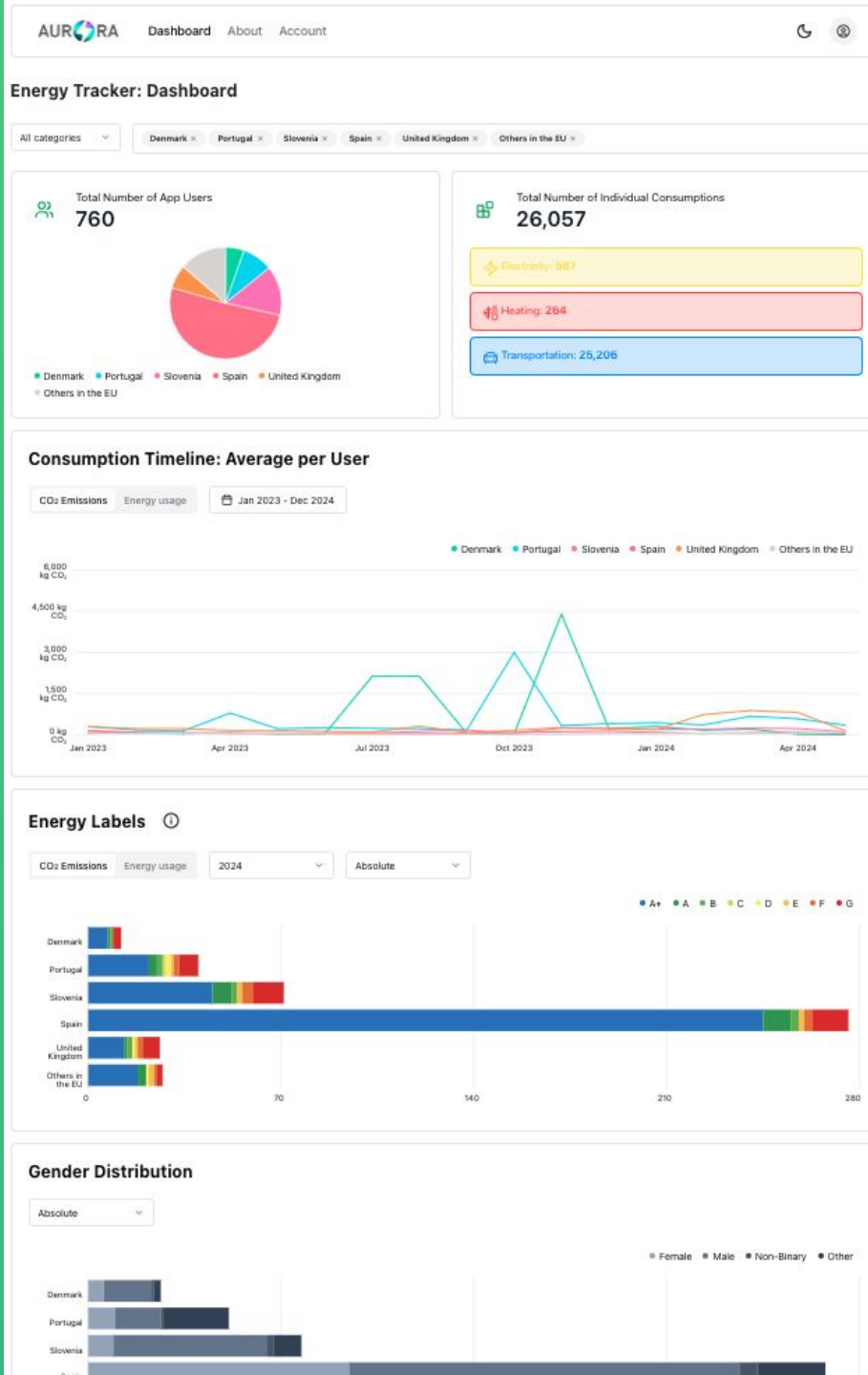
Last updated 9 September 2025

- **over 2.8k downloads**
- **over 1.7k user accounts** created
- **over 170k consumptions** entered  
*mostly transportation*  
*ca. 1k for electricity*  
*ca. 500 for heating*
- The app is available for **all European countries** with individual labels and metrics for each
- Supported languages are **Danish, English, German, Slovenian, Spanish, and Portuguese**

# Interactive Dashboard

All of these stats and more are available publicly via the **Interactive Dashboard**

- Launched in March 2024
- Various interactive filters and options for **demo site, time frame, consumption category** to display data about users, consumptions, energy usage, emissions, etc.
- **All data, labels and metrics** can be downloaded. *User data is only available in aggregated form (for privacy reasons)*
- **Automatically updates daily** and 'snapshots' allow to go 'back in time' and compare past to current stats
- **Fully translated** into all project languages
- **Fully integrated with the AURORA web-app**, bringing the same features available on mobile to any web browser



**AURORA  
Dashboard  
& Web-App**



[dashboard.aurora-h2020.eu](https://dashboard.aurora-h2020.eu)

Users receive personalised recommendations based on their energy behaviour and user data.


# Personalised Recommendations

## New Feature

- **Available for the web-app** right now
- Coming soon to the **mobile apps**
- Each recommendation can be marked **read / unread** to keep an overview for later
- Recommendations should help users to **improve their energy behaviour**
- Recommendations are issued **dynamically based on data entry** and temporally spaced out

## Recommendations


To help you improve your energy behaviour, AURORA provides you with personalised recommendations based on your energy usage data.  
Recommendations are updated regularly as you enter more data.

**Herzlichen Glückwunsch** 

Sie haben Informationen zu Ihren Reisen, Ihrer Heizung und Ihrem Stromverbrauch angegeben. Sie machen einen Unterschied! Ihren CO2-Fußabdruck zu verfolgen, i...

29/07/2025

[View](#)

**Willkommen** 

Willkommen bei AURORA. Danke, dass Sie Teil der AURORA-Community geworden sind. Sie erhalten Nachrichten, um Ihren CO2-Fußabdruck zu verbessern, maxima...

28/07/2025

[View](#)

1

Total recommendations: **2**

List of recommendations


## Willkommen

×

Read
28/07/2025

---

Willkommen bei AURORA. Danke, dass Sie Teil der AURORA-Community geworden sind. Sie erhalten Nachrichten, um Ihren CO2-Fußabdruck zu verbessern, maximal eine Empfehlung pro Woche. Sie können dies jederzeit abbrechen oder Ihre Datenschutzrechte wahrnehmen.

 Mark unread
Delete

Specific recommendation

# PV Installation Monitoring

## New Feature

- The interactive web dashboard now has a **section for “Solar Power”**
- Displays **live data** for PV installations
- Available views show **total, monthly and daily production**
- Key **metadata about each installation** with instructions on how to invest
- Direct **data export** of the current view
- Currently available for the PV installations in **Aarhus** and **Ljubljana**, with more demo sites coming soon

# PV Installation Monitoring

University of Ljubljana

Active ⚡

Slovenia

Ljubljana

206 kW

Since May 25

View Data

Aarhus University

Active ⚡

Denmark

Aarhus

98 kW

Since Sept 24

View Data

## Solar Power Production

Aarhus University

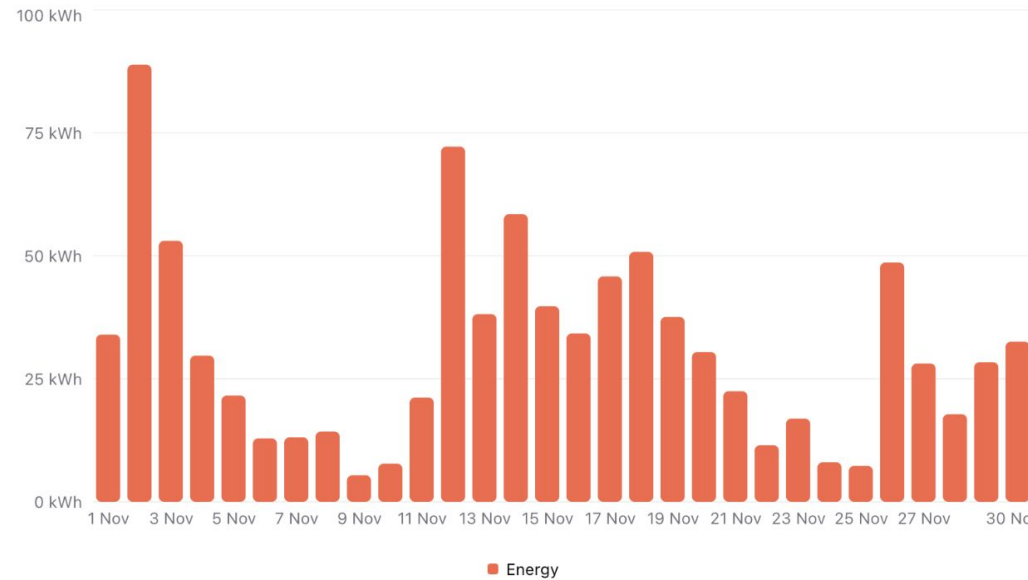


November

2024

Since start

### Production in November 2024



Select a bar to show a breakdown for a specific day.

### Solar Panel Information

98 kW

Aarhus, Denmark

Longi & SunPower

monofacial TOPCon & bifacial TOPCon

12 September 2024

How to invest? ↗

### Production in November

931 kWh

Download

[dashboard.aurora-h2020.eu/pv-data](https://dashboard.aurora-h2020.eu/pv-data)

# PV Investments

## New Feature

- Users can **create investments** for their region's available PV installation
- **Chart highlights produced energy**, prorated for the user's held shares
- Based on **date of investment** and their **investment share** carbon emissions are offset from their profile
- Offsets are **automatically calculated and updated**
- Investments can be **edited** or **deleted**, automatically adjusting the corresponding offset for the next refresh cycle
- Only **Aarhus** and **Ljubljana** are currently connected to the system, with more demo sites coming soon

# PV Investments

## Add Investment

### Important!

Entering your investment data is exclusively for reference purposes. This does not formulate an actual investment binding order in any form.

How to invest

### Shares \*

Shares

How much of the solar panel installation's capacity your investment corresponds to. You should find this information in the documents you received when you made your investment.

### Investment Date \*

Investment Date

The day you made the investment on.

### Note

Note

Add a note to your investment for personal reference.

Save Investment

## Electricity (PV)



This entry was created by your PV investment and will update automatically with the latest data.

Manage

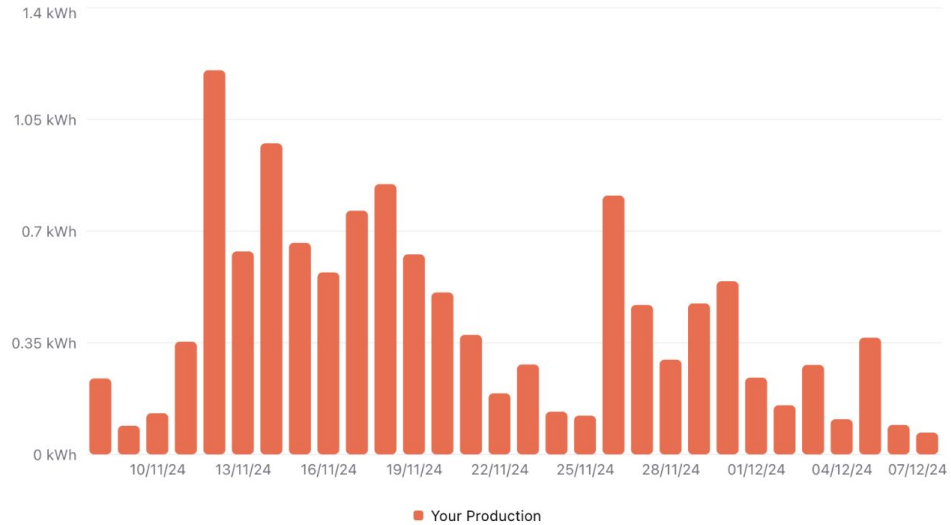
<b>Production</b>	123.9 kWh
<b>Carbon emissions</b>	-10.6 kg CO <sub>2</sub>
<b>Installation Site</b>	Aarhus University
<b>Electricity source</b>	PV Investment
<b>Beginning</b>	13 September 2024
<b>End</b>	6 December 2024
<b>Created</b>	6 December 2024 at 10:00
<b>Updated</b>	6 December 2024 at 10:00

Aarhus University | 98 kW | 1.635%

## Production in the past 30 days

Your Production Total Production

Since Investment



### How does it work?

Your investment in your local AURORA solar power installations helps reduce your carbon footprint. Here you can see a breakdown of the total energy produced by the installation (Total Production) and your investment's contribution (Your Production). Your contribution is automatically added as an offset to your profile each Friday morning to help you reach near-zero emissions.

See full data

## Your Latest Investment

- Investment: 13,500 DKK
- Capacity: 1.6 kW
- Shares: 15
- Investment Date: 13/09/2024

Edit Investment

All Investments

## Solar Panel Information

- 98 kW
- Aarhus, Denmark
- Longi & SunPower
- monofacial TOPCon & bifacial TOPCon
- 12 September 2024

How to invest? [↗](#)

## Production

13 kWh

Since 9 November 2024

# Support for all EU countries

## Major Improvement

- Support for **all countries in the EU** has been added in December 2024
- Users can select from **28 different countries** (EU+UK)
- Each country has its own **metrics and label thresholds**
- **343 users** from **outside** of the demo site countries have already registered and contributed over **5.4k consumptions**

# All AURORA Energy Tracker Features Overview

Data entry / editing for heating, transportation and electricity	✓
Extensive range of consumption types, vehicle usage and more	✓
Real-time carbon footprint and energy usage calculations	✓
Personalised labels and energy behaviour statistics	✓
Modern, accessible, and responsive UI, native for mobile apps	✓
Scalable backend architecture for calculations and storage	✓
AURORA PV data tracking and public energy production display	✓
Tracking PV investments for demo site users with offsets	✓
Open source and open data	✓
Personalised recommendations based on energy behaviour	✓
Multilingual support for six languages	✓
Localised units and calculations for countries using imperial system	✓
Dedicated support channel and full GDPR compliance	✓
Cross-platform support: iOS, Android and additional web-app	✓
Unified / cross-platform user profiles and SSO options	✓
Available globally, with specific metrics/labels for all EU countries	✓
Full real-time sync across all platforms	✓
Extensive analytics via a publicly accessible interactive dashboard	✓
PVGIS integration for estimating PV investment savings	✓
Reminders and automation to assist with data entry	✓

# Beyond the Project

## Keeping the App Running

### Beyond the funding period

**Commitment:** We are keeping the dashboard & backend (database) operational for at least 18 months after the end of project

- **Implications:**  
App functionality for existing users can continue

**Long-term:** The AURORA consortium is actively looking for funding opportunities.

- This will allow us to keep the app running beyond this
- It will also enable development of additional features

# Start Tracking Today!



iOS App

AURORA Energy Tracker



[apps.apple.com/us/app/aurora-energy-tracker/id1668801198](https://apps.apple.com/us/app/aurora-energy-tracker/id1668801198)



Android App

AURORA Energy Tracker



[play.google.com/store/apps/details?id=eu.inscico.aurora\\_app](https://play.google.com/store/apps/details?id=eu.inscico.aurora_app)



AURORA Dashboard

feat. Web App



[dashboard.aurora-h2020.eu](https://dashboard.aurora-h2020.eu)



AUR  RA

EMPOWERING  
ZERO-EMISSION  
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# Thank you!

Questions?

[www.aurora-h2020.eu](http://www.aurora-h2020.eu)



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