

Optimize, Remind, Connect

WattMaintain

powering
solar aftercare

Klaus thought he was doing everything right
by installing rooftop PV panels

My PV system isn't delivering
the output I expected - I'm
losing savings, but I don't
know why

I don't know the right maintenance steps for my panels, especially in my city

I am worried my system
isn't compliant and
could risk my insurance
coverage



I know my
system needs
a check-up, but
I've lost track of
who to call and
when it's due

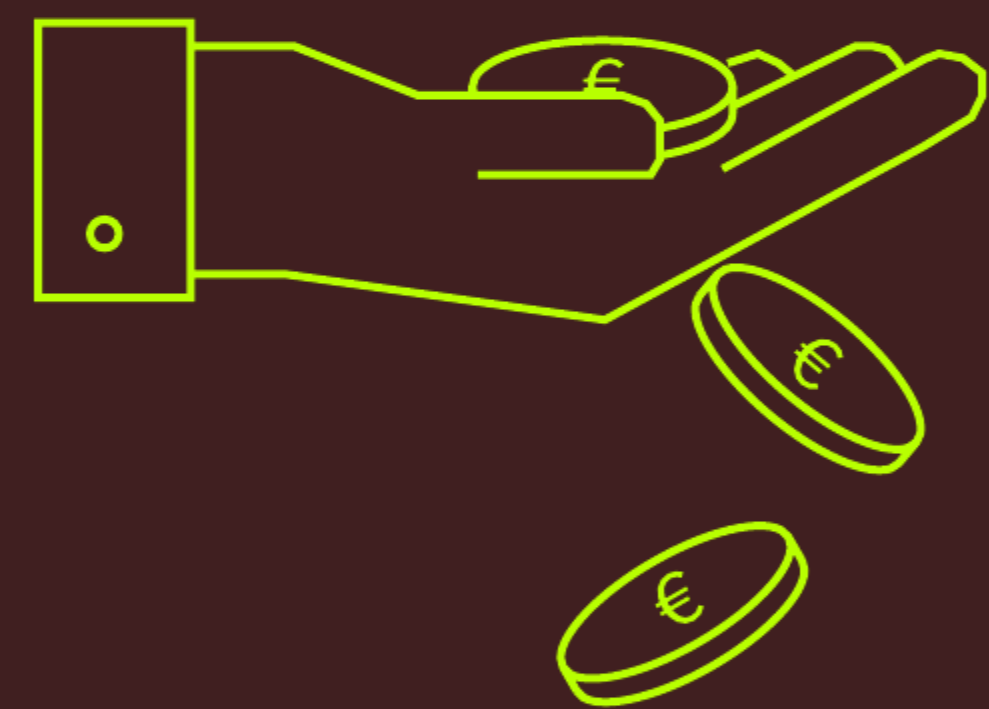
- Performance & Financial Loss
- Compliance & Insurance Risk
- Service Tracking & Accessibility
- Knowledge Gap

Why Now

A Growing Performance Crisis



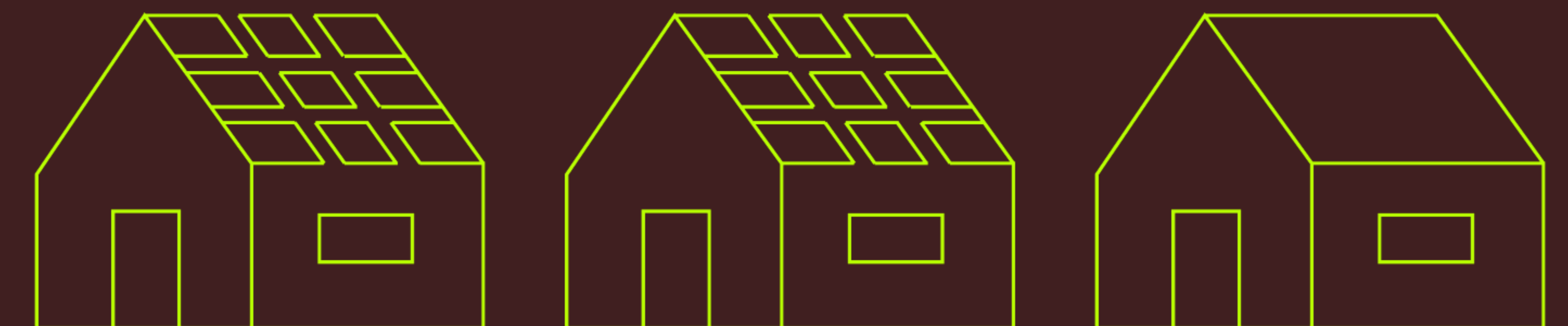
In Germany, over 5 million solar systems power homes - yet 1 in 3 fails to deliver its full potential.



This results in reduced energy savings, often adding up to hundreds of euros lost each year.

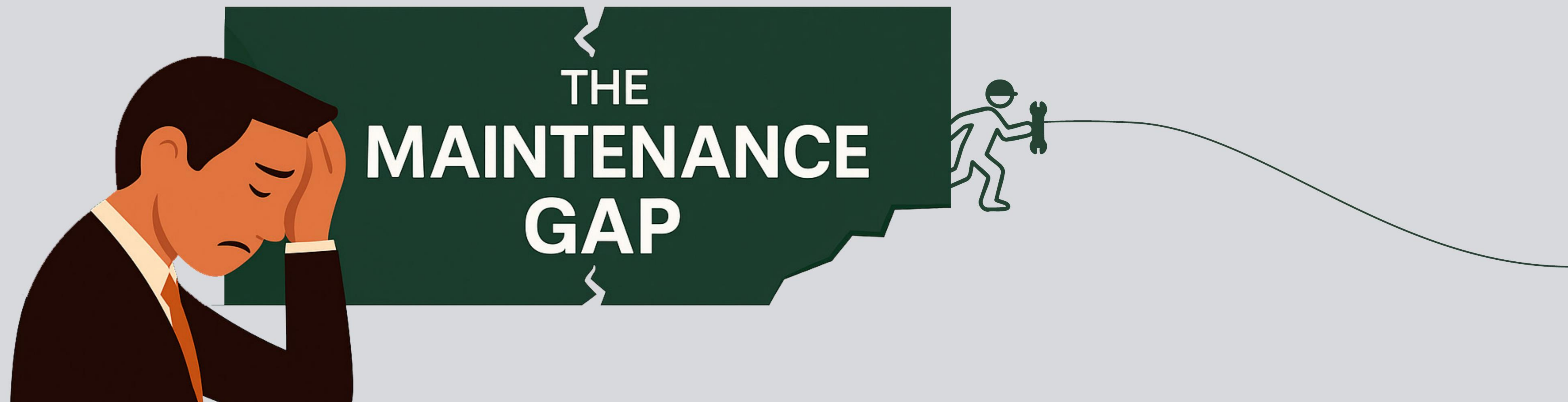
Meanwhile, thousands of technicians struggle with fragmented job opportunities and heavy administrative tasks

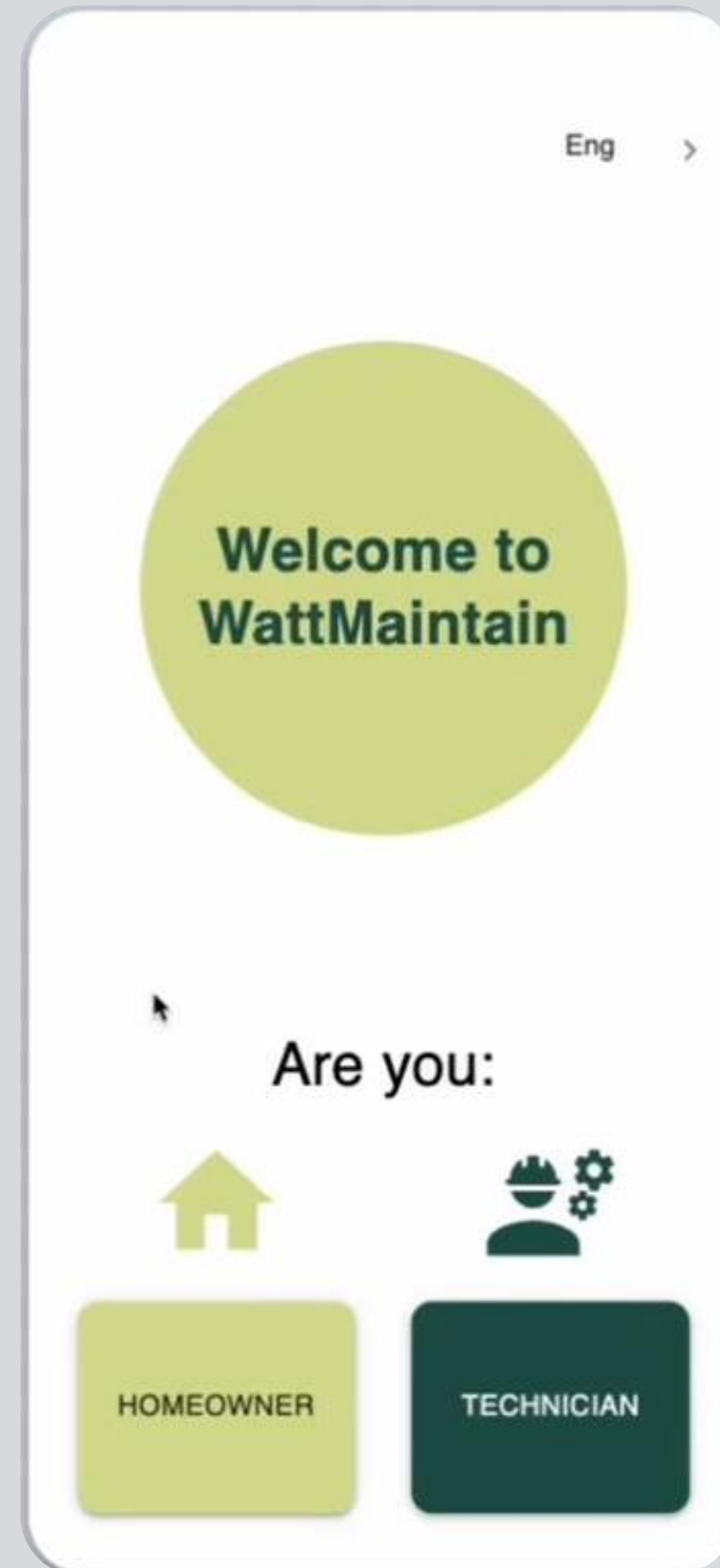
2/3 Households
in Germany
estimated to install PV
systems by 2029



Klaus thought he was doing everything right by installing rooftop PV panels

What Klaus didnt know was.....
.....he had fallen into Germany's
overlooked risk:





Powering the Next Era of Solar Aftercare with **WattMaintain**

- Real-time diagnostics
- Digital PV Passport
- Smart service alerts
- One-tap access to certified technicians

The Solution

Homeowner UX



Welcome to WattMaintain

Create an account

name

Klaus

email@domain.de

klausmüller@gmail.com

☐ I already have a PV system

CONTINUE

Welcome to WattMaintain

Create an account

name

Klaus

email@domain.de

klausmüller@gmail.com

☒ I already have a PV system

When did you buy your PV panels?

February 2025

SMA Solar

Fronius

Enphase

KOSTAL

SolarEdge

Huawei

Sungrow

KACO

Welcome to WattMaintain

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☒ I already have a PV system

When did you buy your PV panels?

February 2025

What is the brand of your PV?

PV Brand

SMA Solar

Which model do you have?

PV Model

Sunny Boy

Where are you located?

Berlin

☐ I also have a storage system

CONTINUE

Tell us more about your system

System Size (kWp) *

8

What you get with the subscription

With our maintenance subscription, a certified technician will install advanced sensors next to your solar system. These sensors enable real-time monitoring of your energy production, system health, and efficiency.

You will receive:

- Real-time performance and health data in your dashboard
- Automated alerts for maintenance needs and faults
- Priority access to certified technicians
- Annual on-site inspection included

☒ I want a maintenance subscription

How do you want to pay? *

Bank transfer (IBAN)

CONTINUE

The Solution

Homeowner UX



According to your system,
Your provider recommends

Check DC connectors/grid connection

Interval (months)
6Critical20 min

Verify string voltages/logs

Interval (months)
6Critical15 min

Deeper service: torque connections

Interval (months)
18Critical30 min

Visual inspection (corrosion, cracks)

Interval (months)
6Routine30 min

Firmware update (Sunny Portal)

Interval (months)
6Routine15 min

Would you like to set a reminder?

YES

NO

CONTINUE

Maintenance Dashboard

Welcome, Klaus!

Projected Performance Over Time

System Health: Good

Current Performance: 83%

Today's Production

18 kWh (2.00 kWh)

• maintenance loss

Estimated Savings

€ 4.60 (€ 0.51)

System Performance

Current performance reduced by 17%

Due to weather, pollen and missing maintenance

Weather impact

Partly cloudy

Efficiency loss: -1%

Notifications

WM

Maintenance Reminder: Check DC connectors/grid connection

Scheduled for 2026-02-28

Severity: Critical

Estimated time: 20 min

WM

Maintenance Reminder: Verify string voltages/logs

Scheduled for 2026-02-28

Severity: Critical

Estimated time: 15 min

WM

Maintenance Reminder: Deeper service: torque connections

Scheduled for 2027-02-28

Severity: Critical

Estimated time: 30 min

WM

Maintenance Reminder: Visual inspection (corrosion, cracks)

Scheduled for 2026-02-28

Severity: Routine

Estimated time: 30 min

WM

Maintenance Reminder: Firmware update (Sunny Portal)

Scheduled for 2026-02-28

Severity: Routine

Estimated time: 15 min

My Profile

Personal Info

EDIT

Name: Klaus

Location: Berlin

PV Brand: SMA Solar

PV Model: Sunny Boy

Storage System: Yes

System Size: 8 kWp

Subscription: Premium

PV Passport

DOWNLOAD PV PASSPORT

PROVIDE FEEDBACK FOR THE APP

Calendar

Person

WM

Bell

Person

Calendar

Person

WM

Bell

Person

Calendar

Person

WM

Bell

Person

Calendar

Person

WM

Bell

Person

The Solution

Homeowner UX



What do you need help with?

Describe your issue in detail

I need maintenance for my PV system!

UPLOAD PICTURES

CONFIRM BOOKING

Technician marketplace

Your location: Berlin

Nearby Certified Technicians

☐ Show only technicians available on my scheduled maintenance date

Anna Müller

2.1 km from you

4.8 / 5

Jonas Schmidt

3.4 km from you

4.5 / 5

Fatima Yilmaz

5.0 km from you

4.9 / 5

Lukas Weber

6.2 km from you

4.7 / 5

Elif Kaya

7.8 km from you

4.6 / 5

Technician marketplace

Your location: Berlin

Service Booking Summary

Lukas Weber

6.2 km from you

Fees per hour: 58 €

Verified technician

Past service reviews: 4.7 / 5

Languages: German, French

Next available slots:

2025-09-01

09:00

2025-09-02

14:00

Last customer reviews:

"Very knowledgeable and polite."

"Helped with warranty paperwork."

☐ Accept cancellation policy

CONTINUE

Maintenance Calendar

February 2026

S	M	T	W	T	F	S
1	2	3	4	5	6	7
8	9	10	11	12	13	14
15	16	17	18	19	20	21
22	23	24	25	26	27	28

Maintenance Reminder: Verify string voltages/logs

Scheduled for 2026-02-28

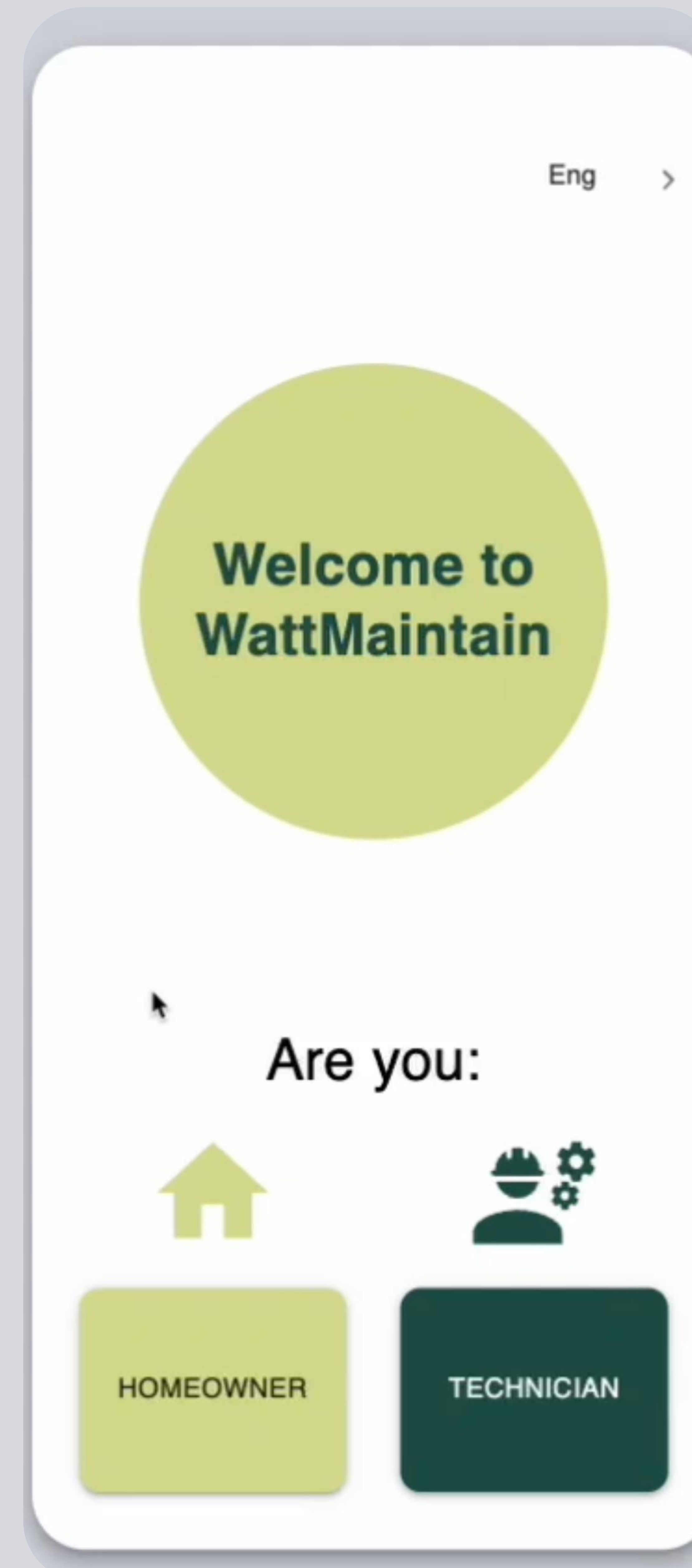
Severity: Critical

The Solution

Technician UX

Powering the Next Era of Solar Aftercare with **WattMaintain**

- Streamlined job assignments
- Diagnostics before arrival
- Customer expansion
- Automated scheduling & workflow



The Solution

Technician UX



Technician Profile

Personal Info

EDIT

Name: Max

Email: maxmustermann@gmail.com

Location: Berlin

PV Brands: SMA Solar, Huawei

Certificates / Work Samples

No certificates uploaded.

PROVIDE FEEDBACK FOR THE APP

Welcome, Max!

Upcoming App.
5

Completed App.
3

Latest Customer Reviews

Max Mustermann

2026-02-03

Very professional and friendly. Inspection was thorough.

★★★★★

Anna Becker

2026-02-06

Quick and efficient service. Explained everything well.

★★★★☆

John Doe

2026-02-12

Firmware update went smoothly. Highly recommended!

★★★★★

Lisa Schmidt

2026-02-16

Good work, but arrived 10 minutes late.

★★★★☆

Your Upcoming Appointments

February 2026

<

>

S	M	T	W	T	F	S
1	2	3	4	5	6	7
8	9	10	11	12	13	14
15	16	17	18	19	20	21
22	23	24	25	26	27	28

12:00

Monitor optimizers (portal)

SolarEdge - HD-Wave + Optimizers

Critical (15 min)

Sabine Keller

Notifications

WM

New Appointment Confirmed

Date: 2026-02-02 at 09:00

Please check your calendar for details.

Severity: Routine Estimated time: 30 min

WM

New Appointment Confirmed

Date: 2026-02-05 at 11:00

Please check your calendar for details.

Severity: Critical Estimated time: 20 min

WM

New Appointment Confirmed

Date: 2026-02-11 at 14:30

Please check your calendar for details.

Severity: Routine Estimated time: 15 min

WM

New Appointment Confirmed

Date: 2026-02-15 at 10:00

Please check your calendar for details.

Severity: Routine Estimated time: 45 min

WM

New Appointment Confirmed

Date: 2026-02-18 at 13:00

Please check your calendar for details.

Severity: Critical Estimated time: 30 min

WM

New Appointment Confirmed

Date: 2026-02-22 at 08:30

Please check your calendar for details.

Severity: Critical Estimated time: 15 min

WM

New Appointment Confirmed

Date: 2026-02-25 at 15:00

WM

Calendar

Notifications

Profile

WM

Calendar

Notifications

Profile

WM

Calendar

Notifications

Profile

WM

Calendar

Notifications

Profile

15% CAGR
2035



100%
Potential Users



TAM



30–40%
Reachable Homeowners



SAM



3 %
SAM

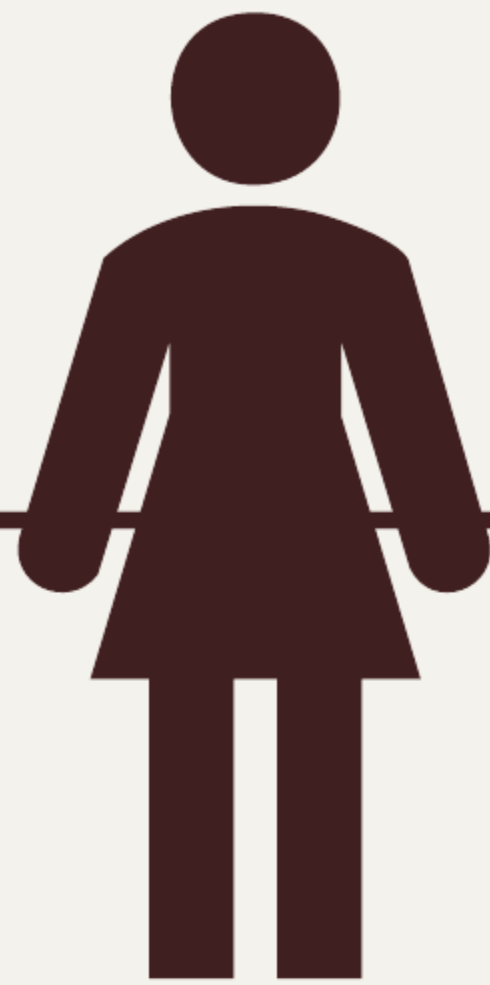


SOM

Business Model



Pricing



Free

Homeowner

< 5 kW system

Basic Plan



€10 /
month

Homeowner

> 5 kW system

Premium Plan



10 %
commission

Technicians

Platform Fee

Features

Predictive maintenance alerts
(basic diagnostics)

Annual system
performance report

Access to technician marketplace
(limited access)

Digital PV Passport

Real-time alerts
& system health dashboard

Advanced predictive diagnostics
& fault detection analytics

Priority access to verified technicians

Maintenance tracking and scheduling tools

Customizable maintenance insights

Digital PV Passport

Access to service requests

Profile listing in the technician marketplace

Quote submission
and job management tools

In-app messaging with clients

Appointment scheduling interface

Access to basic system diagnostics

Customer ratings and feedback dashboard

Dual Sided Flywheel: Driving Scalable Adoption



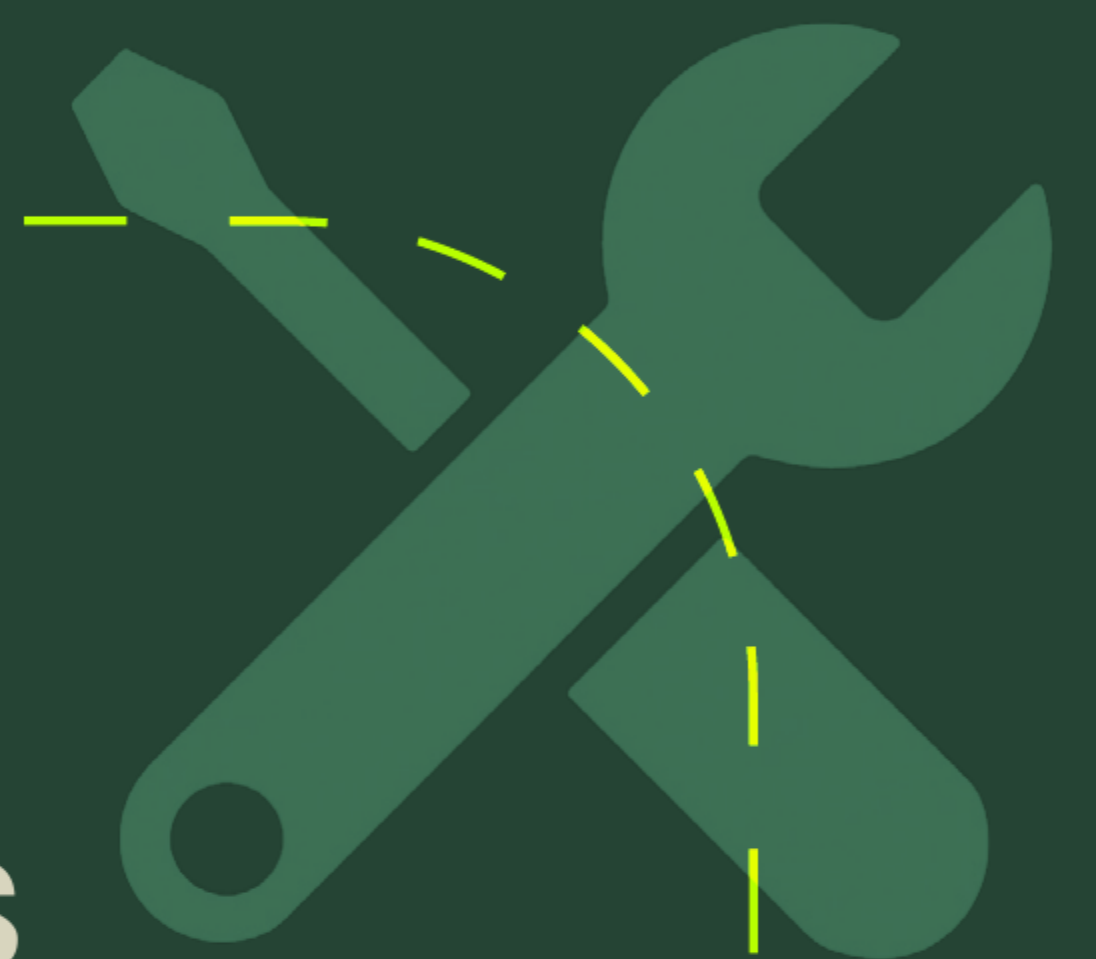
Homeowners

- Installer Partnerships
- AI-Powered Geo Targeting
- Policy Alignment
- Transparent Pricing

10 % of German PV Homes by 2030

**Network Effects
Compound**

LTV > € 600



Technicians

- Credential Engine
- Referral incentive
- Career Advancement
- Lead Flow & Routing

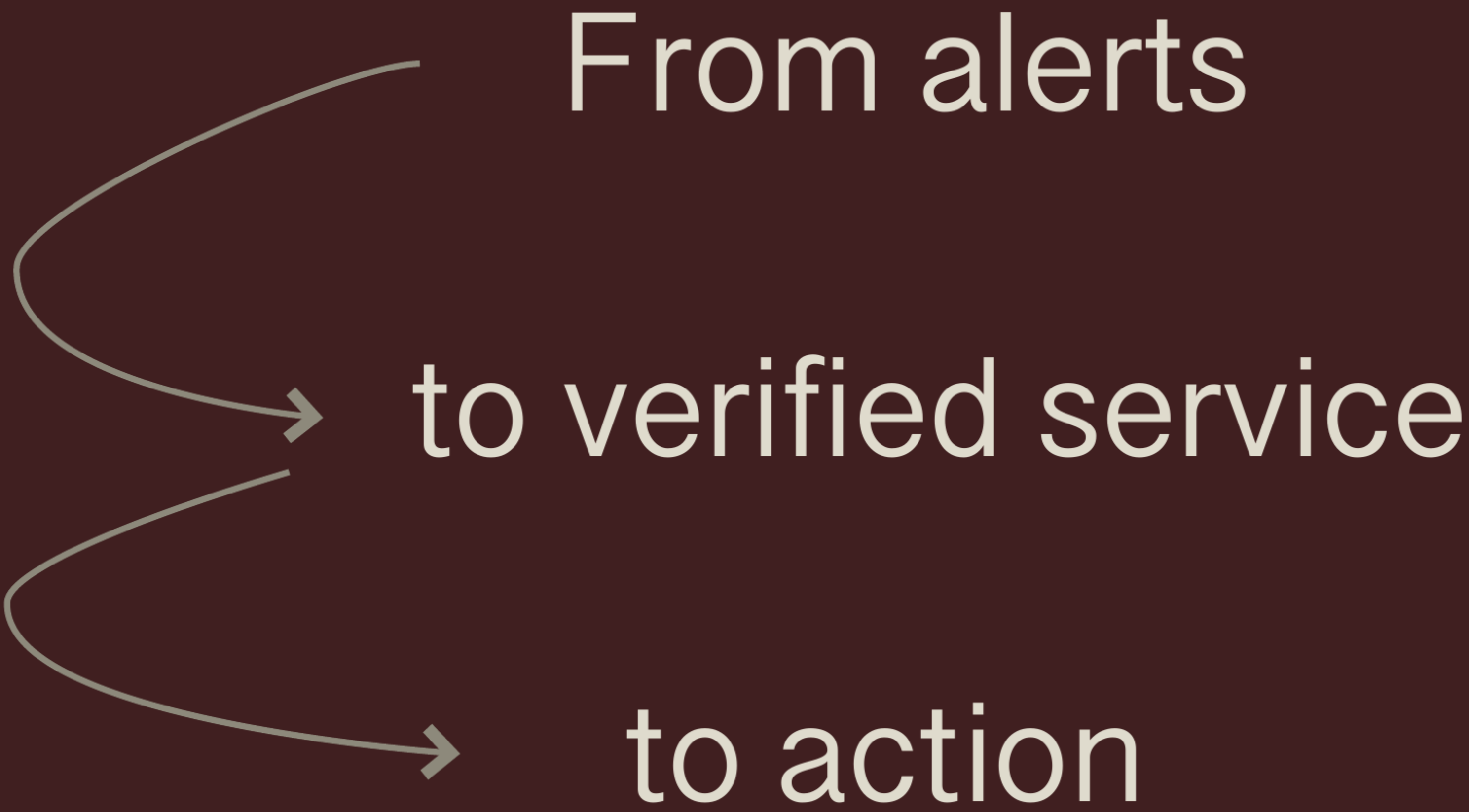
10 K Certified Technicians by 2030

Competition



While others stop at monitoring
WattMaintain goes further

Closing the loop: WattMaintain
vs. Fragmented Competitors



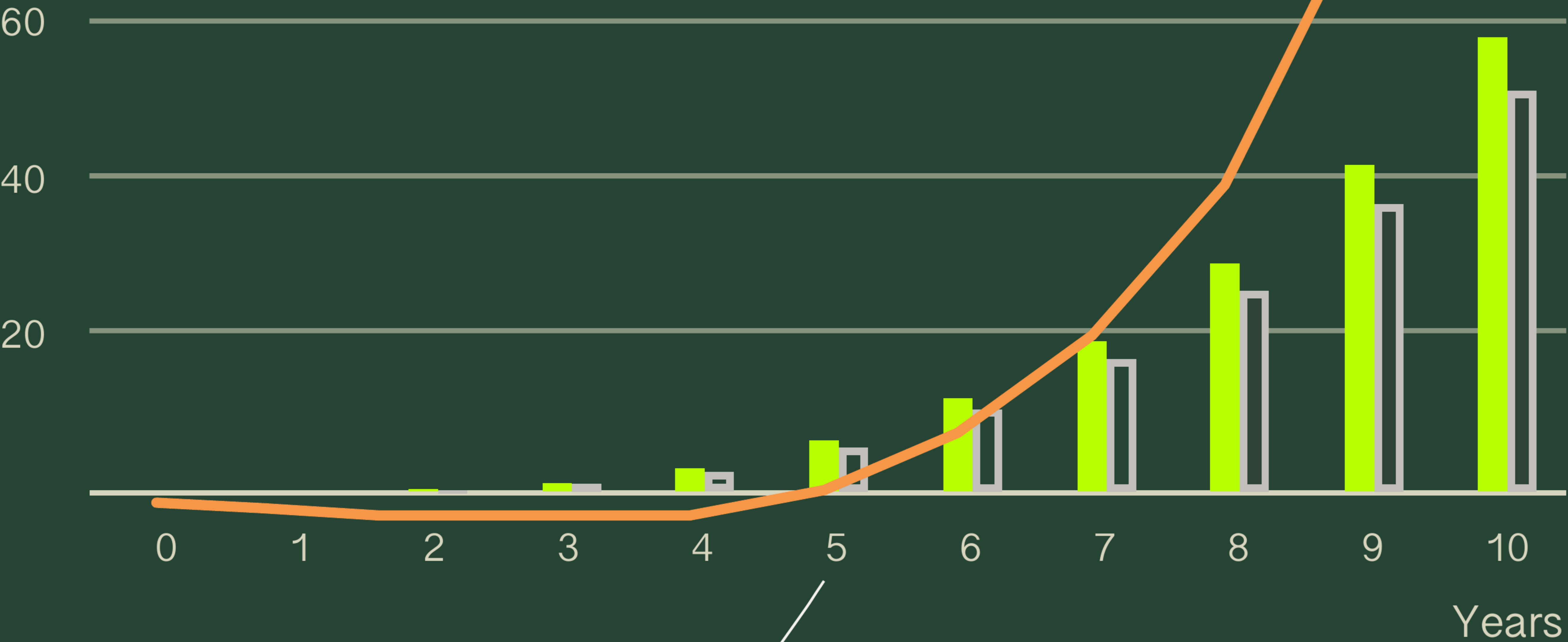
Features	Enphase	SMA Energy	KOSTAL	WattMaintain
Real Time Monitoring	☀	☀	☀	☀
Maintenance Alerts	☀	☀	☀	☀
Technician Booking Platform	-	-	-	☀
Predictive Maintenance	-	-	-	☀
Resolution time	-	-	-	< 24 hrs (diagnosis/dispatch)
Revenue Model	Hardware	Hardware	Hardware	Recurring SaaS + Dispatch Fee

The first full-stack PV aftercare for Germany’s €7.2B market

Break-even Analysis



Millions (€)



Break even
Year 5

Financial Projections for 2035

- Total Revenue
€ 57.3 M
- Gross Profit
€ 50.6 M
- Cumulative Net Profit
€ 116 M

Gross Profit Margin - 88%

Potential Stakeholders



**Berlin
Founders
Fund**

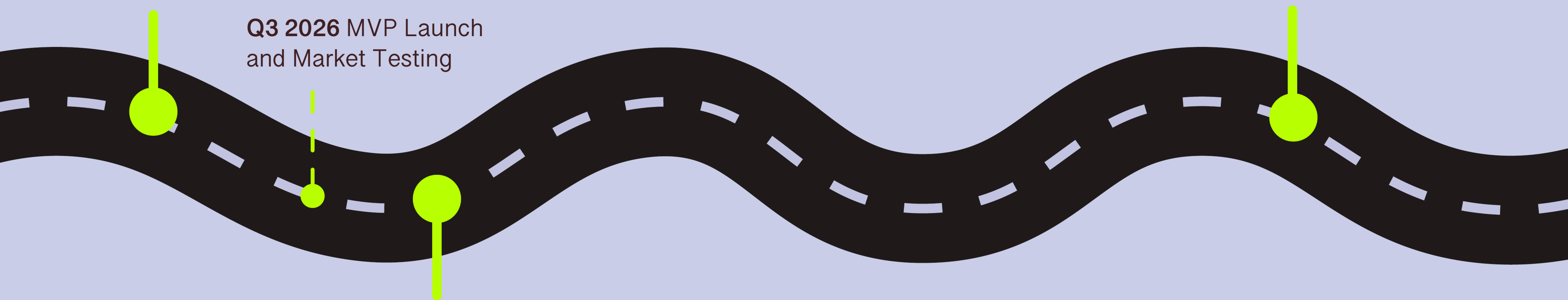


Our Project Timeline



Year 1 **2026**
Pitching : Partnerships & Knowledge Sharing
Funding : Grants

Year 5 **2030**
Growth : Launch Across Germany and EU



Q3 2026 MVP Launch
and Market Testing

Year 2 **2027**
Pre & Post Launch Marketing in Bavaria

The Team

Who are we



Kaushika Saravanan
Co-founder

Guides WattMaintain with strategic focus and acumen for clean tech growth.



Mathilde Legault Dignard
Co-founder

Drives solar adoption and market growth through photovoltaic expertise and data-driven strategy.



Somya Garg
Co-founder

Combines technical leadership to drive WattMaintain’s product strategy in solar aftercare.



Nisha Verma
Co-founder

Brings cross-sector experience to lead WattMaintain’s financial strategy and long-term viability.



Felix Veth
Head of Product

Develops the technical vision to build WattMaintain’s scalable core platform.

WattMaintain

powering
solar aftercare

INFO@WATTMAINTAIN.COM