



MITEE

**Machine-learnt Industrial
Twins & Energy Efficiency**

Energy management
at your fingertips

PROBLEM: EXTRACT VALUE FROM INDUSTRY 4.0

I am a facility manager:

“How to turn big IoT data from energy-intensive industrial assets...

...into actionable insights?”

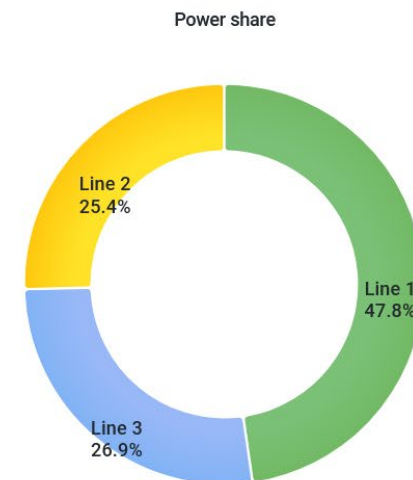
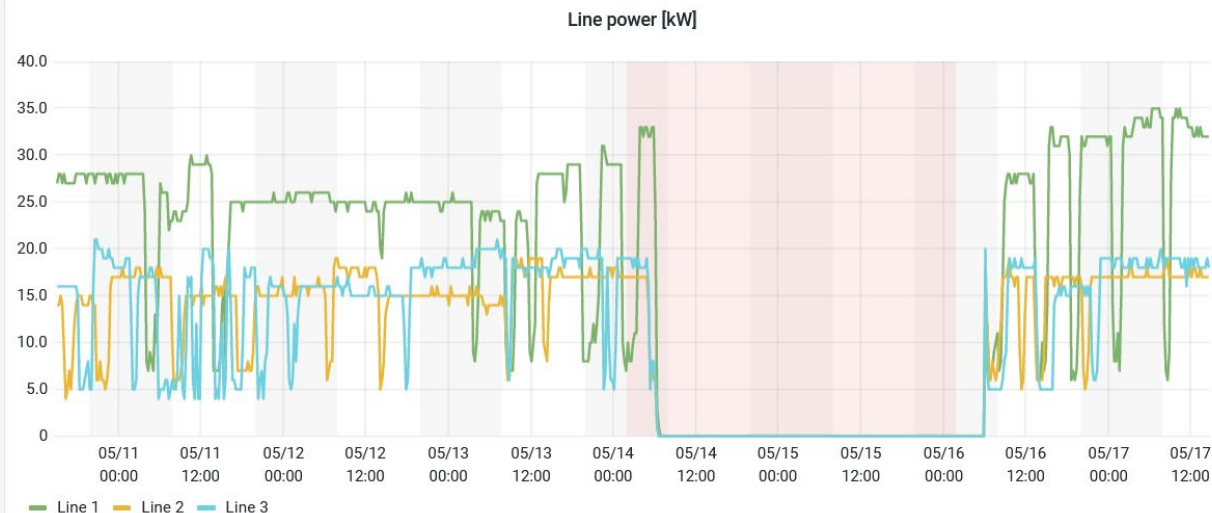


Workspace / Manufacturing

Parameter Active power Line Line 1 + Line 2 + Line 3

Last 7 days

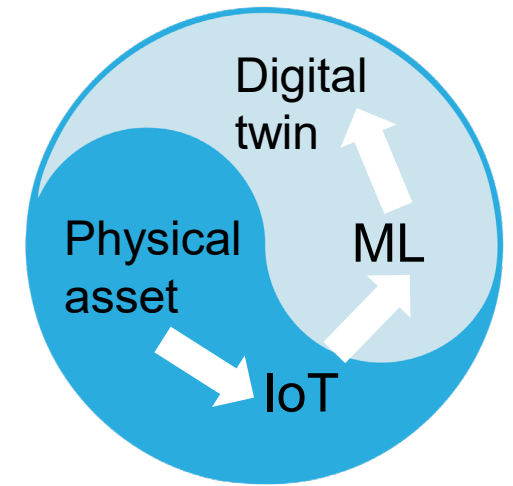
Assets Manufacturing consumptions Manufacturing records



TARGETS & BENEFITS

MITEE will

1. Provide an **easy-to-use** service using digital models for **energy efficiency**
 - ✓ Data visualization/analytics
 - ✓ Forecast
 - ✓ Automated control
 - ✓ Anomaly detection
2. Be tested by Data Provider and 2 partners
3. Share best models with REACH Consortium and ESCOs



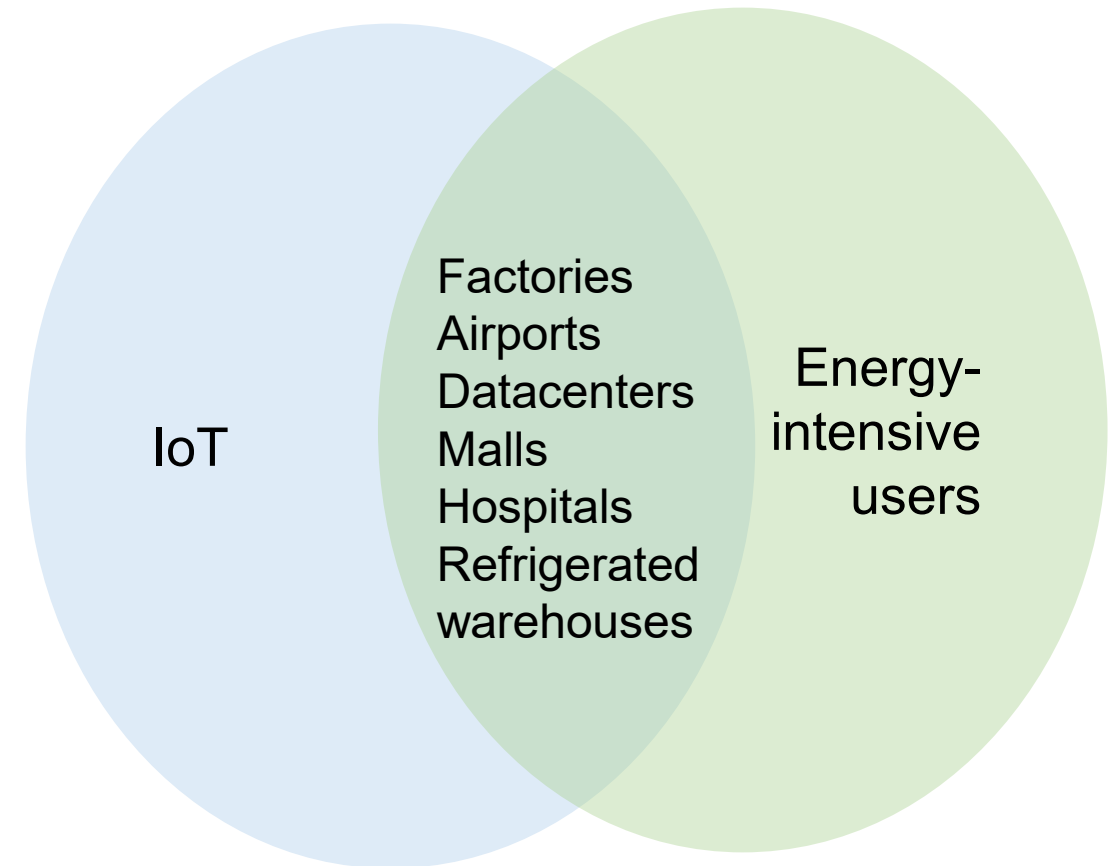
MARKET SIZE & CUSTOMER SEGMENTS

Digital twins

2020 → 2026
USD5.1 bn USD35.5 bn (CAGR = 32%)¹
EU: 30%

Industrial energy management systems

2020 → 2026
USD21.3 bn USD32.1 bn (CAGR = 6%)²



1. <https://www.prnewswire.com/>

2. <https://www.reportlinker.com/>

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SaaS

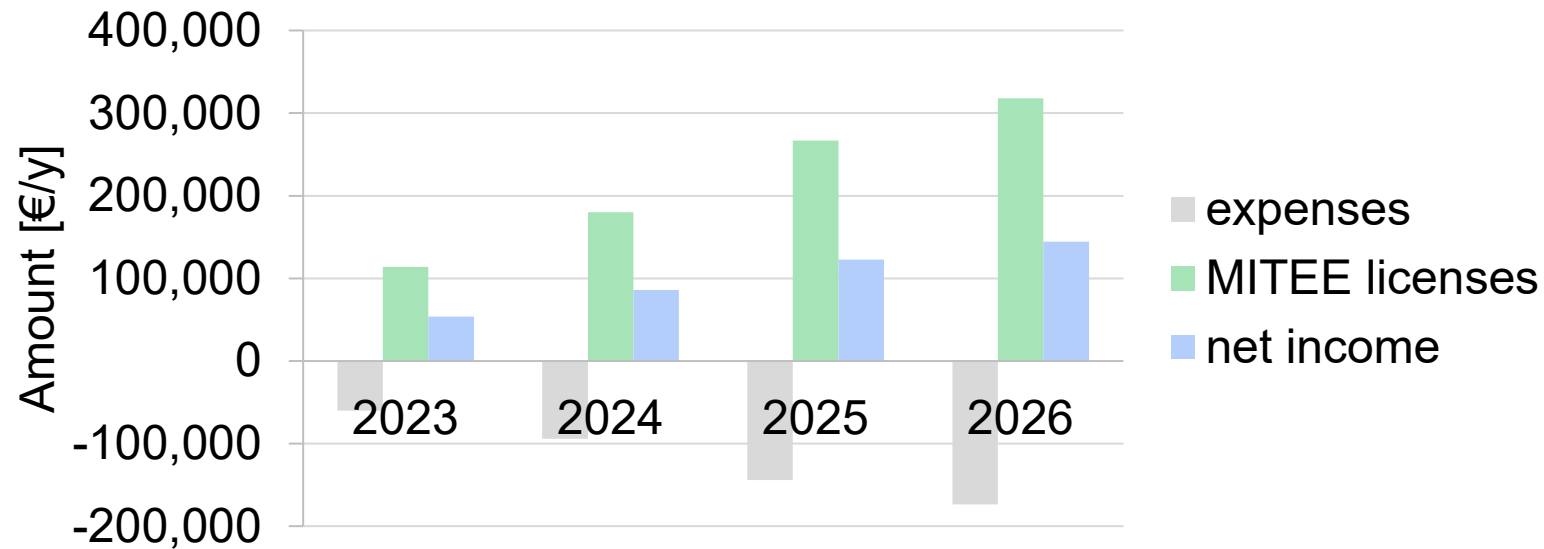
Basic	Pro	Advanced
Create 2D views Live monitoring Create alerts	Create dashboards Live forecasting Live anomaly detection	Optimize control Improve anomaly detection
Set roles	Set dashboard-specific permissions	Set dashboard-specific permissions
8x5 mail	8x5 mail, faster response	24x7 mail and phone Courses on plugin devt
3,000 €/y	From 6,000 €/y	From 12,000 €/y

EXPECTED PROFIT MARGIN

Profit margin = 45% (2026)

Total net income = 400,000 €/y (2023 to 2026)

SOM = 40 large customers by 2026



TEAM

BIZ



Francesco Gallo
Head of Business
Unit



Mauro Ratti
CEO



Paolo Decarlini
CTO



Luca Bianchi
Big Data expert
DevOps buff



Mattia Bergagio
AI expert
Energy engineer



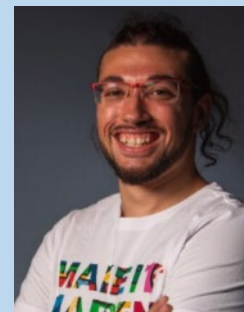
Vincenzo Fazio
Head of Sales



Marta Mottino
Business
developer



Massimo Amerio
Program manager
Energy engineer



Matteo Stefanìa
UI/UX designer



Davide Borda
Data scientist

TECH

Consulting

Guanxi: digital strategy
for sales, marketing







Barzanò & Zanardo:
legal compliance, IP

Turin Chamber of
Commerce:
internationalization

Testing

Global logistics company
Global cable maker

EXPERIENCE

					
<p>Certified since 2006</p>	<p>Labeled an <u>innovative SME</u> by Italy's Govt since 2016</p>	<p>Develops <u>MPAI</u> standards for AI-based coding</p>	<p>Helped with MPEG-7 and 21</p>	<p>Helps <u>Smart Communities Tech</u> develop energy efficiency products</p>	<p><u>EOS³ SAVING</u> makes energy systems more efficient</p> <p>60+ sites</p> <p>Energy savings > 25%</p> <p>Payback ~ 12 months</p>

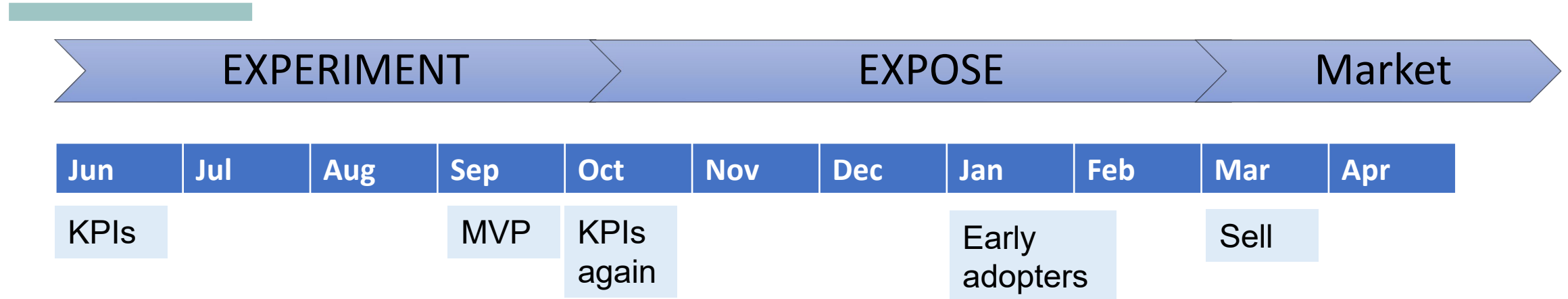


Thank you!

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SOFTWARE INNOVATORS

DEVT PLAN



Frontend	<ol style="list-style-type: none"> 1. Refine UI/UX: user guide, tooltips, ... 2. Market research on UI/UX 	Describe models and selection criteria in a user-friendly way	Maintenance
Backend	<ol style="list-style-type: none"> 1. Build 1 forecast model 2. Build 1 anomaly detection model 3. Add IDEA75 dataset and other data sources 4. Test Spark 	<ol style="list-style-type: none"> 1. Use MLOps 2. Select the best hybrid model 3. Scale training 	Maintenance

HERE WE MONITOR AND SAVE ENERGY



28 office buildings



9 hospitals



3 others: airport, theaters



15 schools



9 factories

EXPECTED CUSTOMERS



	2023	2024	2025	2026
airports	1	1	1	2
large factories	2	3	3	4
avg factories	2	4	8	10
small factories	0	2	3	4
datacenters	1	2	2	2
general hospitals	3	5	15	15
refrigerated warehouses	1	1	1	1

COMPETITORS

