

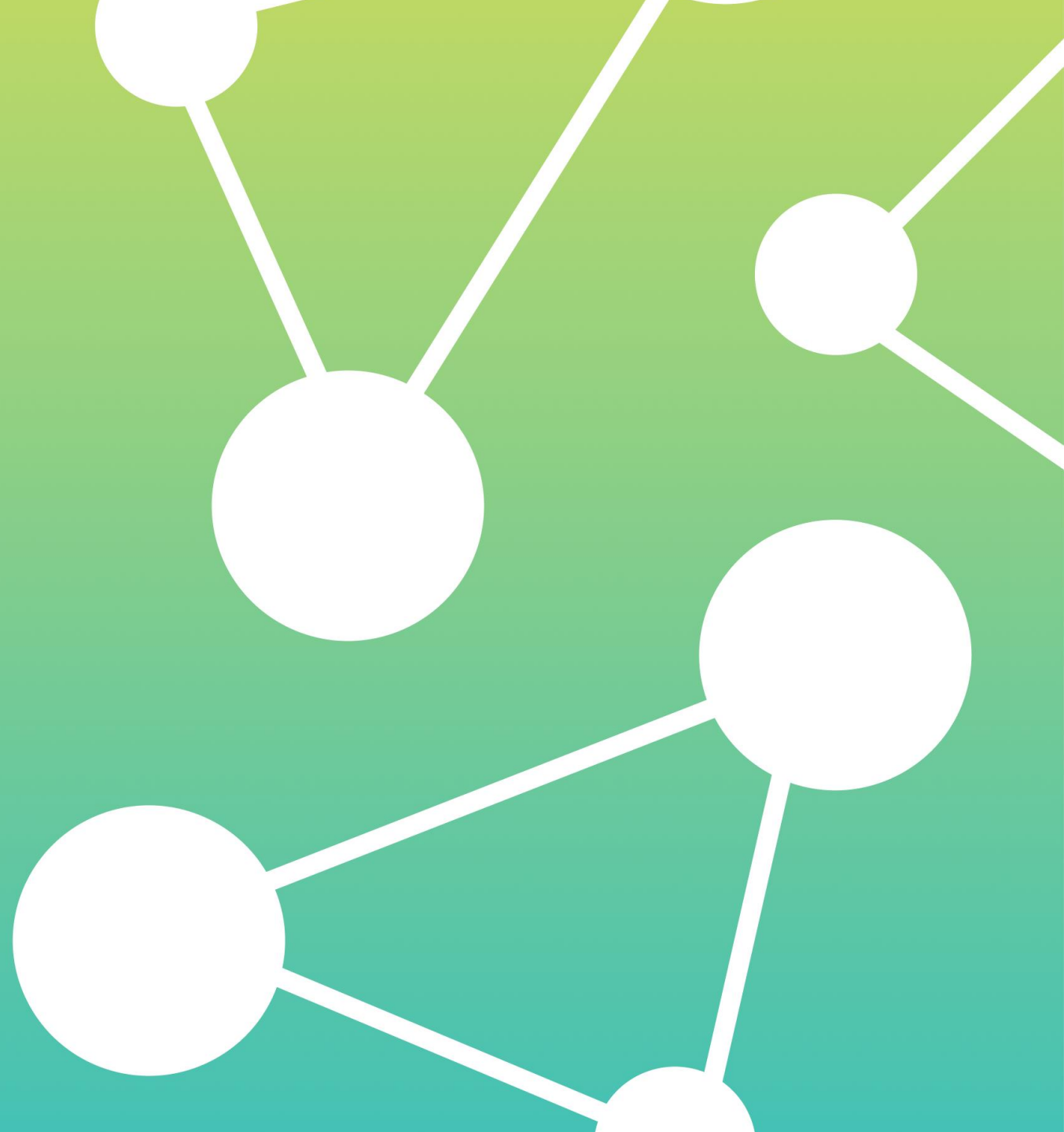


GovTech
Connect

Transforming Government, Together



Builtrix
Presentation



Key Info

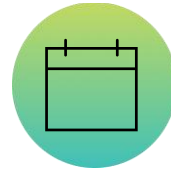


Builtrix

<https://www.builtrix.tech/about-us>



Lisboa, Portugal



2020



10< People



Mojtaba Kamarlouei, Dr.
Javad Hatami



Builtrix
Connected-Building Solution

**Uncover Abnormalities & Energy Saving
Opportunities In Cities Using Data Analytics**

Mojtaba Kamarlouei
CTO & Co-Founder

Patrick

Energy Manager
(Roma Capitale, Italy)



ROMA
CAPITALE



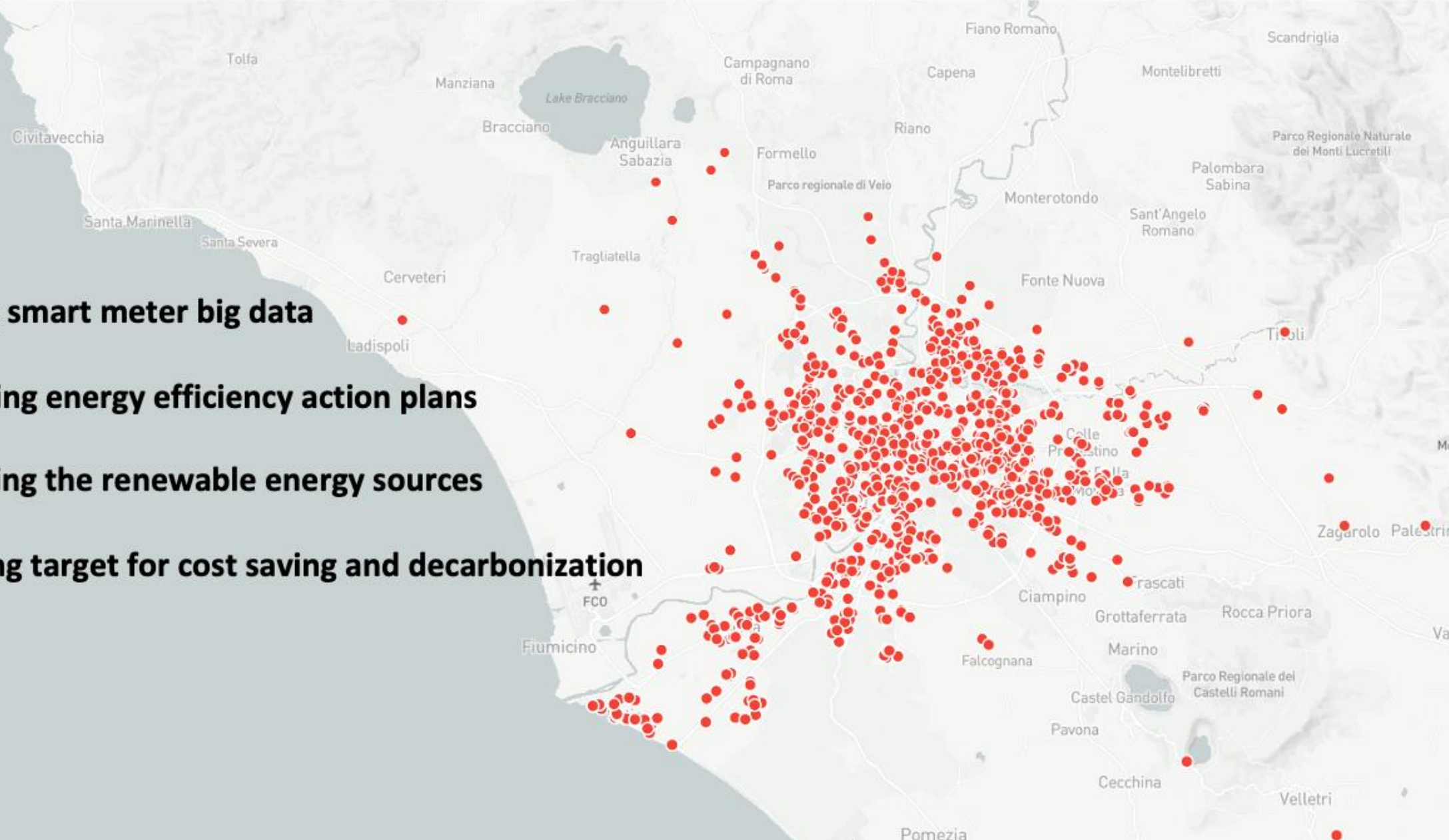
Challenges

I. Handling smart meter big data

II. Prioritizing energy efficiency action plans

III. Increasing the renewable energy sources

IV. Reaching target for cost saving and decarbonization





Challenges

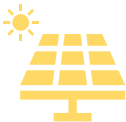
1200
Buildings



6700
Smart Meter



150
PV plants



+15 GB
Data / Month



When, where, and How?



What devices/sources contribute to Energy Peak?



How to reduce Energy Consumption?

**Intelligent, Affordable,
& easy-to-integrate
solution**

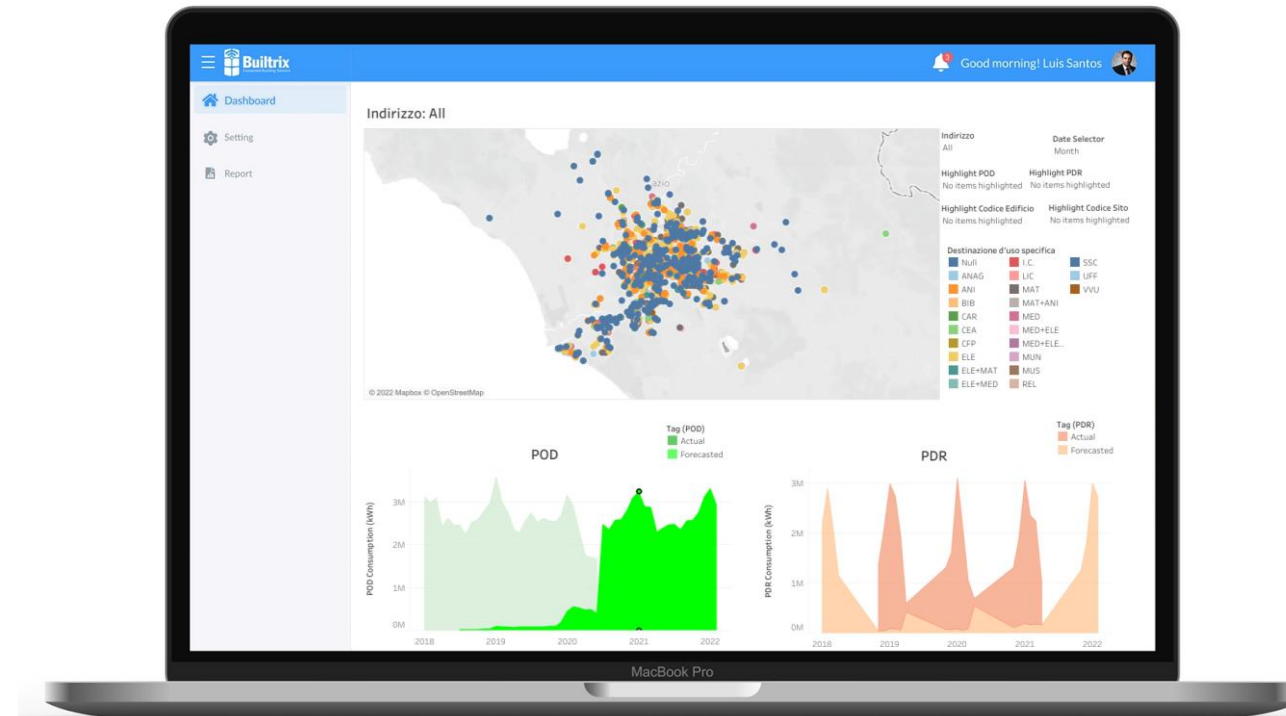


Builtrix
Connected-Building Solution



Solution

- A digital solution for big data analysis
- Integration, cleaning, and blending datasets
- Creating an asset database
- Providing data-driven insights:
 - Spatial Reporting
 - Benchmarking
 - Forecasting
 - Uncovering renewable energy source potential



Proposed Values



80%

Save Time
on multi-properties



5-20%

Save Energy Cost

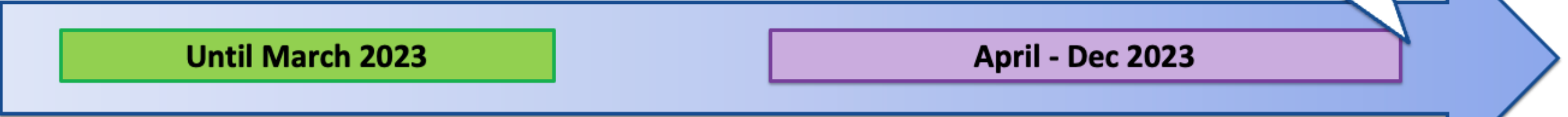


10-30%

Reducing Co2

Roadmap

1 M € Investment



+ 2000 Buildings

Secured Contracts:
350 K€ and +550 Buildings

Logos for partners in the first period: madan (parque de ciencia), ROMA, VILLE DE TOULON, coop, Empa (Materials Science and Technology), and the European Union flag.

Logos for partners in the second period: AMBIENTE CASCAIS, PortoDigital (Onde as conexões acontecem), bestravel, and the Portuguese flag.

Team

- Portuguese company established in 2020 with HQ in Lisbon
- Winners of several National & European Competitions & Grants on Energy Data & AI (Accumulated +1 M Euro)
- Recognized by UK Department of Trade as one of Top Clean tech Startups in EU



ABB Electrification
Startup Challenge



CEO

Dr. Javad Hatami

PhD in Biomedical Eng
+7 yrs in Biz Dev.



CTO

Mojtaba Kamarlouei

PhD in Renewable Energy
+6 yrs Data Science



Sales Manager

Pedro Chung

+10 yrs in B2B Sales



Data Scientist

Francisco Delca

+3 yrs Data Science



Advisor

Dr. Jafar Adibi

+20 yrs in Business
Intelligence



Builtrix
Connected-Building Solution

Mojtaba Kamarlouei
CTO & Co-Founder

mkamarlouei@builtrix.tech

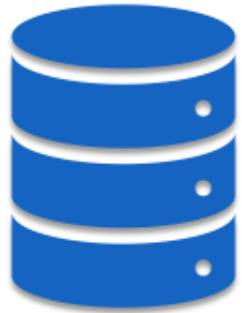
www.builtrix.tech



Demo



Builtrix in numbers



>2000
Buildings

+200
Inefficiencies Detected

10 X
Faster
Historical Data analysis

+150
Data Sources



Recent Traction

Commercial Contract with Cascais Municipality for +250 buildings in Nov. 2023

PR link:

<https://ambiente.cascais.pt/pt/noticias/cascais-monitoriza-consumos-energeticos>

outras notícias

25 nov Cascais recebe Sessões Rota da Energia

25 nov Cascais lança projeto para dar nova vida ao café

23 nov Cascais vai testar camião 100% elétrico

em destaque



Like 0 Share Tweetar

Cascais monitoriza consumos energéticos

Parceria com a start-up Builtrix analisa edifícios municipais

De forma a aumentar a eficiência energética dos edifícios e promover uma maior poupança, a autarquia está a utilizar tecnologia digital de consulta e previsão de consumos. A análise, feita com base nos consumos em tempo real, permite comparar soluções de eficiência energética, nomeadamente com a substituição de equipamentos (de climatização, eletrodomésticos, lâmpadas, entre outros). Esta dinâmica permite ainda saber quais as poupanças estimadas com a colocação de painéis fotovoltaicos para produção de energia, a percentagem de autoconsumo e o potencial de venda da energia excedente. Um setor chave para a estratégia de Cascais e o roteiro de neutralidade carbónica.

Já em fase de testes, a Builtrix está a analisar o desempenho energético de quatro edifícios da área operacional da Cascais Ambiente com maior potencial de poupança.

Subscription plan



Connect your smart meter through the Builtrix data connectors

Setup fee + €/building/month

Services



Historical
Analysis



Benchmark
Analysis



Forecast
Analysis



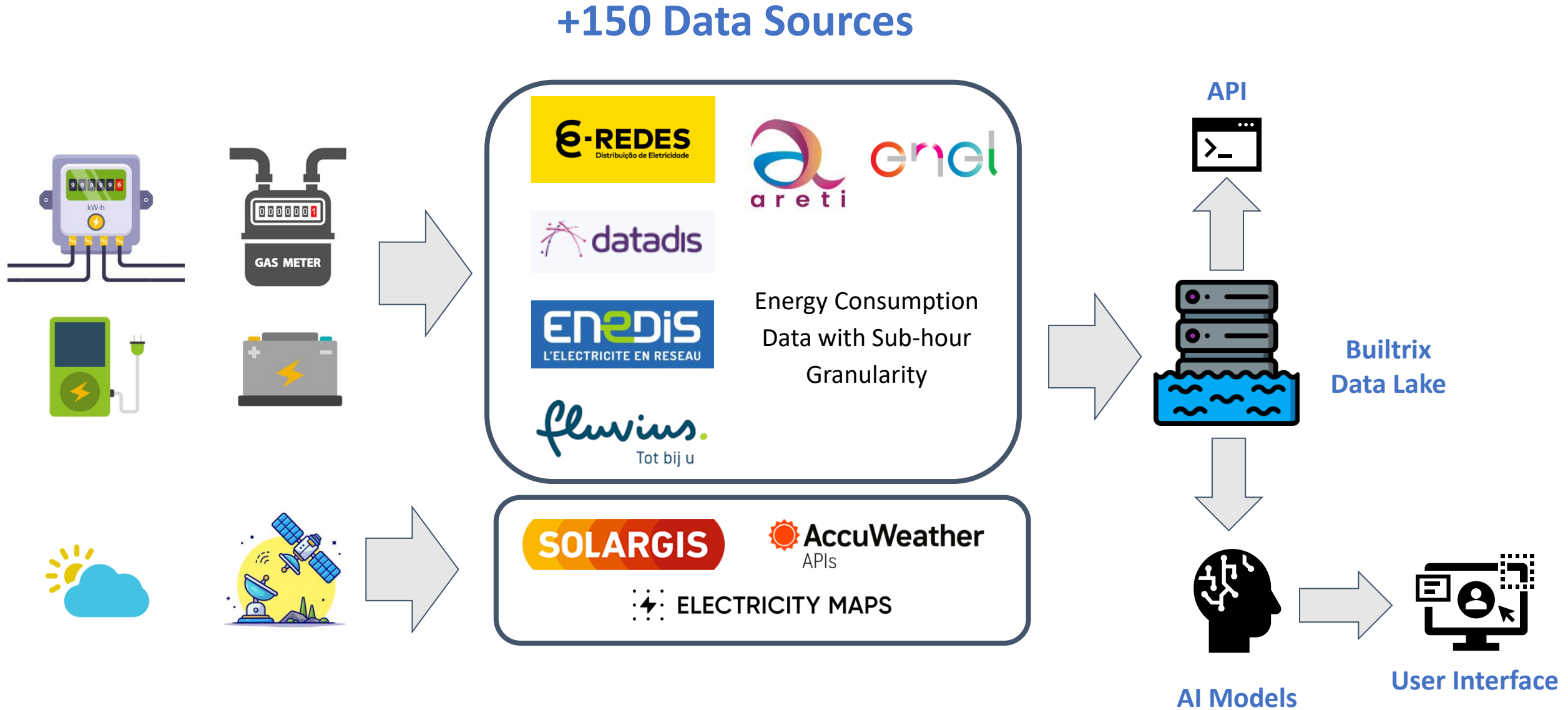
Abnormality
Detection



PV
potentiality



Technology



Competitive Analysis

Easy to integrate

Expensive

Affordable



Builtrix
Connected-Building Solution



Honeywell

SIEMENS



Wattics

Schneider
Electric



Complex to Integrate

Features

Easy to understand

You don't need to be energy expert

Multi-property

In one dashboard you can analyze energy consumption of all your offices

Prediction

You know how much you will pay for your electricity bill in next days and months

No CAPEX

You don't need to pay for additional sensors, smart meter, hardware. We use your smart meter data

Actionable Insight

The insight will be generated for you to understand how you can be more energy efficient

Easy to Integrate

It's a web dashboard that you can access in any device, any browser.

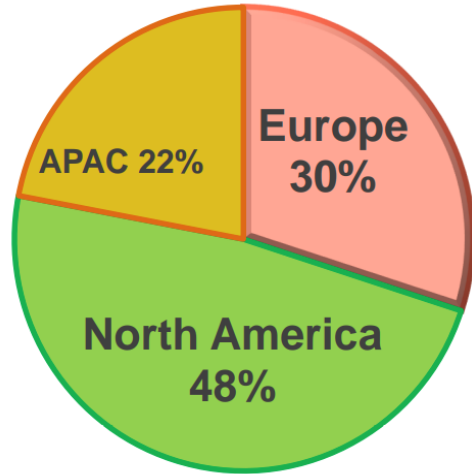
Invoice verification

Check if you have been invoiced correctly by utility company

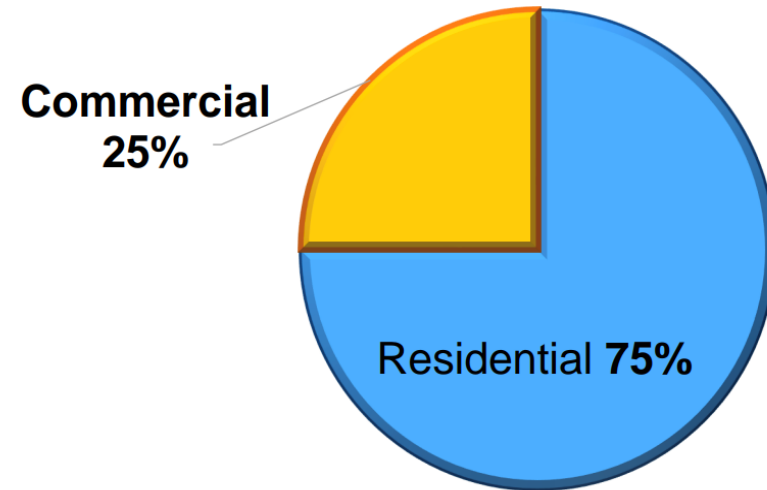
\$35B opportunity by 2027 (12.5% CAGR)

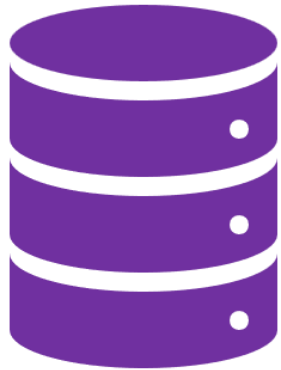
Global Energy Consumption Analytics

Worldwide Building stock



Building stock in Europe





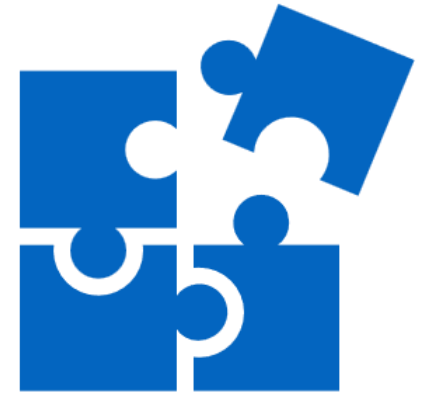
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