REBASE

Empowering tomorrow's energy innovators.
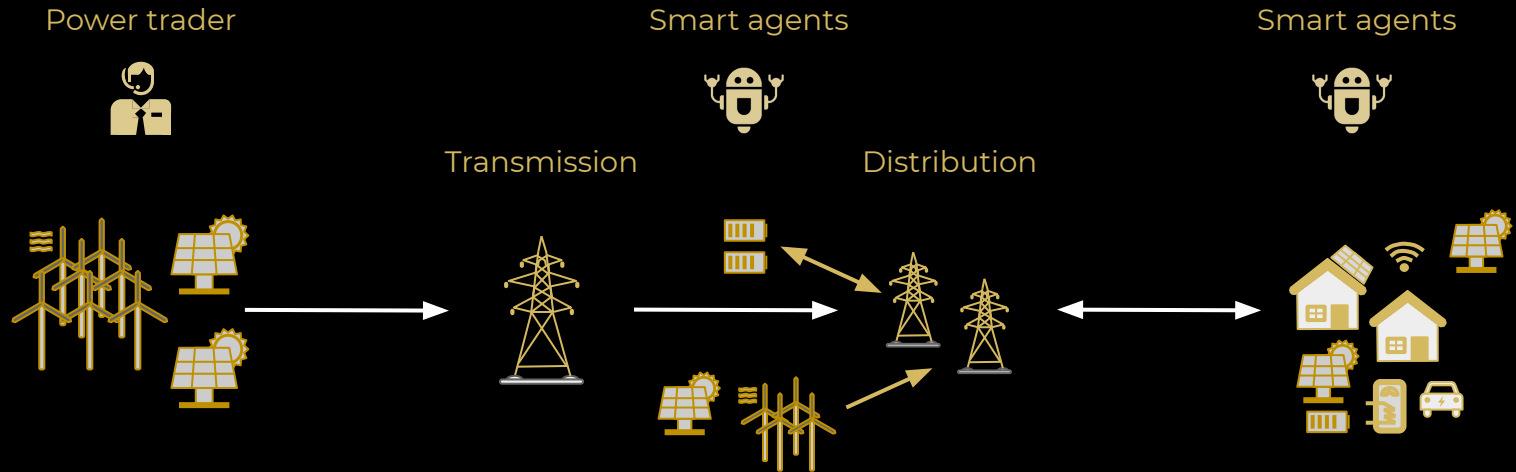
POWER SYSTEMS USED TO BE PREDICTABLE
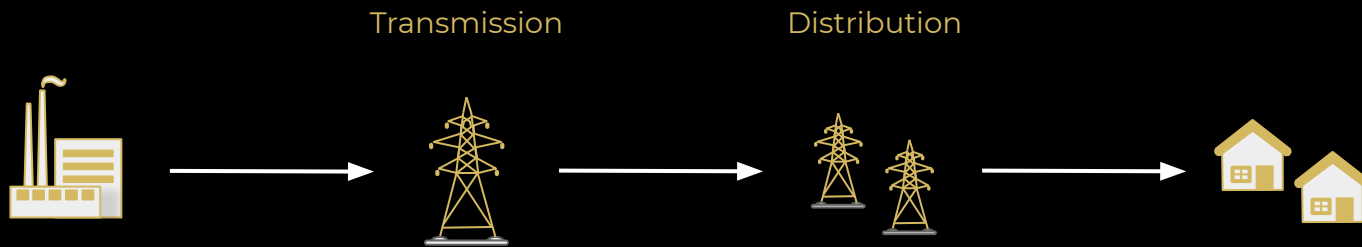
Transmission

Distribution

POWER SYSTEMS ARE NOW UNPREDICTABLE AND COMPLEX

Power trader

Transmission

Distribution

POWER SYSTEMS ARE NOW UNPREDICTABLE AND COMPLEX

Power trader

Smart agents

Smart agents

Transmission
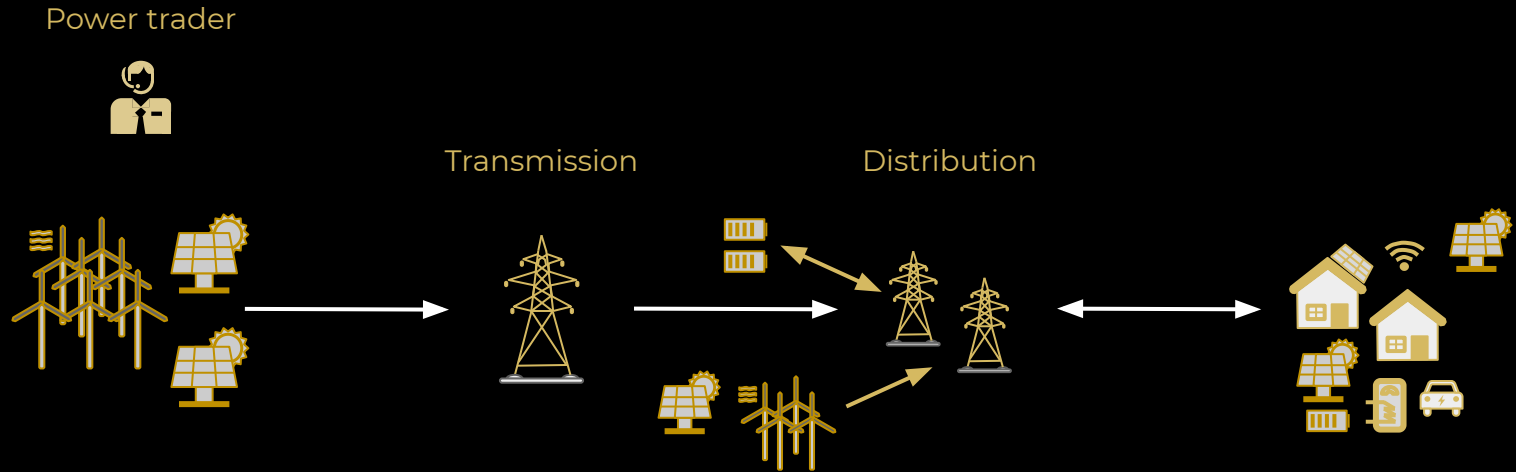
Distribution

$2 trillion

+380M
Renewable power plants

+540M
Charging points

+100M
Battery storages

+250M
Heat pumps

By 2030, customer investment in distributed energy resources (DERs) is expected to increase tenfold to over $2 trillion, nearly **three times greater than today's global utility investment in generation, transmission, and distribution assets**

SOURCE: EWF (2020) & BNEF (2020)

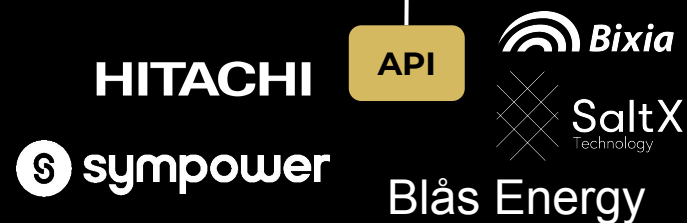# THE REBASE PRODUCTS
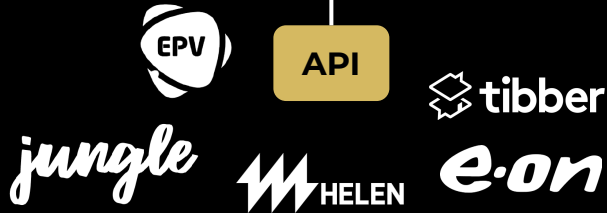
REBASE**DATAHUB**
Energy data made AI ready

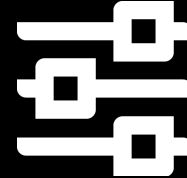Aggregated and harmonized energy datasets from open & proprietary sources made AI-Ready via a unified API.
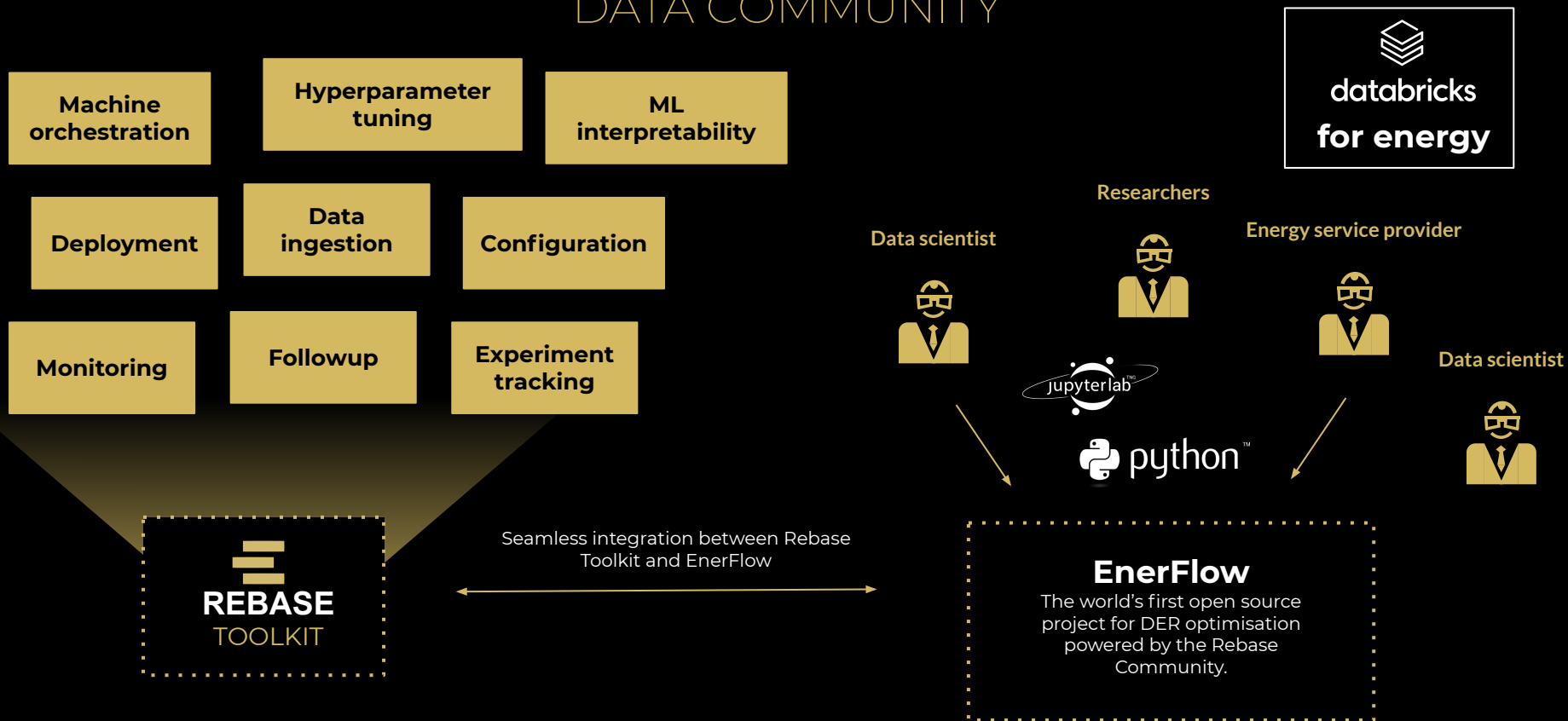
REBASE**TOOLKIT**
Simulation and optimisation made simple

An open energy forecasting and optimisation platform that allows for rapid iteration and deployment of state-of-the-art models.

API

API

EPV

jungle

tibber

HELEN

e·on

HITACHI

sympower

Bixia

SaltX
Technology

Blås Energy

6

WE UNLOCK THE OPPORTUNITY OF OPENNESS AND DATA COMMUNITY

Machine orchestration

Hyperparameter tuning

ML interpretability

Deployment

Data ingestion

Configuration

Monitoring

Followup

Experiment tracking

databricks
for energy

Researchers

Data scientist

Energy service provider

Data scientist

jupyterlab

python

REBASE
TOOLKIT

Seamless integration between Rebase Toolkit and EnerFlow

EnerFlow
The world's first open source project for DER optimisation powered by the Rebase Community.

7

REBASE BUSINESS MODEL

DATAHUB
€/request/day
€/data-month

- Freemium and 1 month free trial period
- Low cost for latest or real-time data
- Add-on pricing for historical data

TOOLKIT
€/month (base fee)
€/model/month

- Freemium and 1 month free trial period
- Includes interface for deployment
- Compute for simulations/hyperopt

SIMULATION (PRE-INSTALLATION)

OPERATION (POST-INSTALLATION)

SCALING AS DISTRIBUTE ENERGY MARKET MATURES

BEACHHEAD MARKET

Energy service providers

50 MEUR/yr (Europe)

Resilience energy

tibber

SaltX Technology

jungle

HITACHI

ABB

INITIAL MARKET

Energy companies

500 MEUR/yr (Europe)

e·on

EPV

HELEN

Bixia

GROWTH MARKET

Real-estate owners and cities

1000 MEUR/yr (Europe)

Helsinki

Use-cases:

- Forecasting demand profiles dayahead

- Optimising local energy consumption and generation

Benefits:

- Improved forecasting quality and lowered imbalance costs by 20%

- 80% less time spent on data collection leads to more time on optimising business processes

HITACHI **ABB**

Use-cases:

- Forecasting distributed loads and generation on distribution network

- Visualise weather maps for grid operators

Benefits:

- Improved proactiveness in the operations center

- Increased safety through more timely weather forecast information

11

REBASE ENERGY UNIQUENESS

Scalable Technology

Our technology is a scalable top-of-funnel tool supporting simultaneous optimisation of 10000's of PV/battery/EV systems.

Open source

We empower our customers through open APIs and open source Toolkits instead of enforcing lock-in.

Energy Datahub

A unique database with real-time and historical weather, market, energy and emission data.

Partner Network

A unique partner network with solution providers for every part and stage of the energy transition.

KEY FUTURE MILESTONES

Now

10 PAYING CUSTOMERS

DEVELOPED SELLABLE PRODUCT

WINNER OF ABB AI ACCELERATOR

INDUSTRY ACCELERATORS

PRICING MODEL ESTABLISHED

SECURED 500 kEUR IN GRANTS

270 kEUR Revenue
ARR 50 kEUR

Year 1

40 PAYING CUSTOMERS

REPEATABLE SALES PROCESS ESTABLISHED

EXPANDED TEAM (2 BUSINESS/SALES AND 1 DEV)

LAUNCHED REBASE TOOLKIT FOR SIMULATIONS

ESTABLISHED GROWTH PARTNERSHIPS

550 kEUR Revenue
ARR 250 kEUR

Year 2

170 PAYING CUSTOMERS

BREAK-EVEN
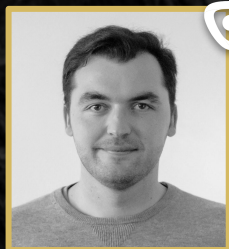
STREAMLINED SALES PROCESS

EXPANDED TEAM (2 BUSINESS/SALES AND 1 DEV)

INTERNATIONALISATION BEYOND EUROPE THROUGH KEY PARTNERSHIPS

3 MEUR Revenue
ARR 1.5 MEUR

THE REBASE ENERGY TEAM AND AWARDS

Mihai Chiru
CTO & Co-founder
M.Sc. KTH
Computer Science
ML Consultant

Sebastian Haglund El Gaidi
CEO & Co-founder
M.Sc. KTH
Power trader

Addis Moiteaux
Business Developer & Sales
M.Sc. KTH
Advisor

Ilias Dimoulkas
Data Scientist
Ph.D. KTH
Power Systems

Velibor Zeli
Meteorologist
Ph.D. KTH
Atmospheric Science

Henrik Kälvegren
Full-stack Developer
B.Sc. KTH
Computer Science

Finalist in Free Electrons Accelerator 2021

Winner Helsinki Energy Challenge 2021

Winner Odyssey GridSingularity Challenge 2020

Winner WinterWind Innovation Challenge 2020

Winner Norrsken Hack for Impact 2019

Finalist New Energy Challenge 2019

Winner of ABB Industrial Accelerator 2019

14

QUESTIONS?

Sebastian Haglund El Gaidi
CEO and Co-Founder
sebastian@rebase.energy
https://rebase.energy

Linked in

OUR ASK

We are raising **1 MEUR** to go-to-market and develop our platform.

This money will be matched by the Swedish Energy Agency (200 kEUR) to give us 16-18 month runway