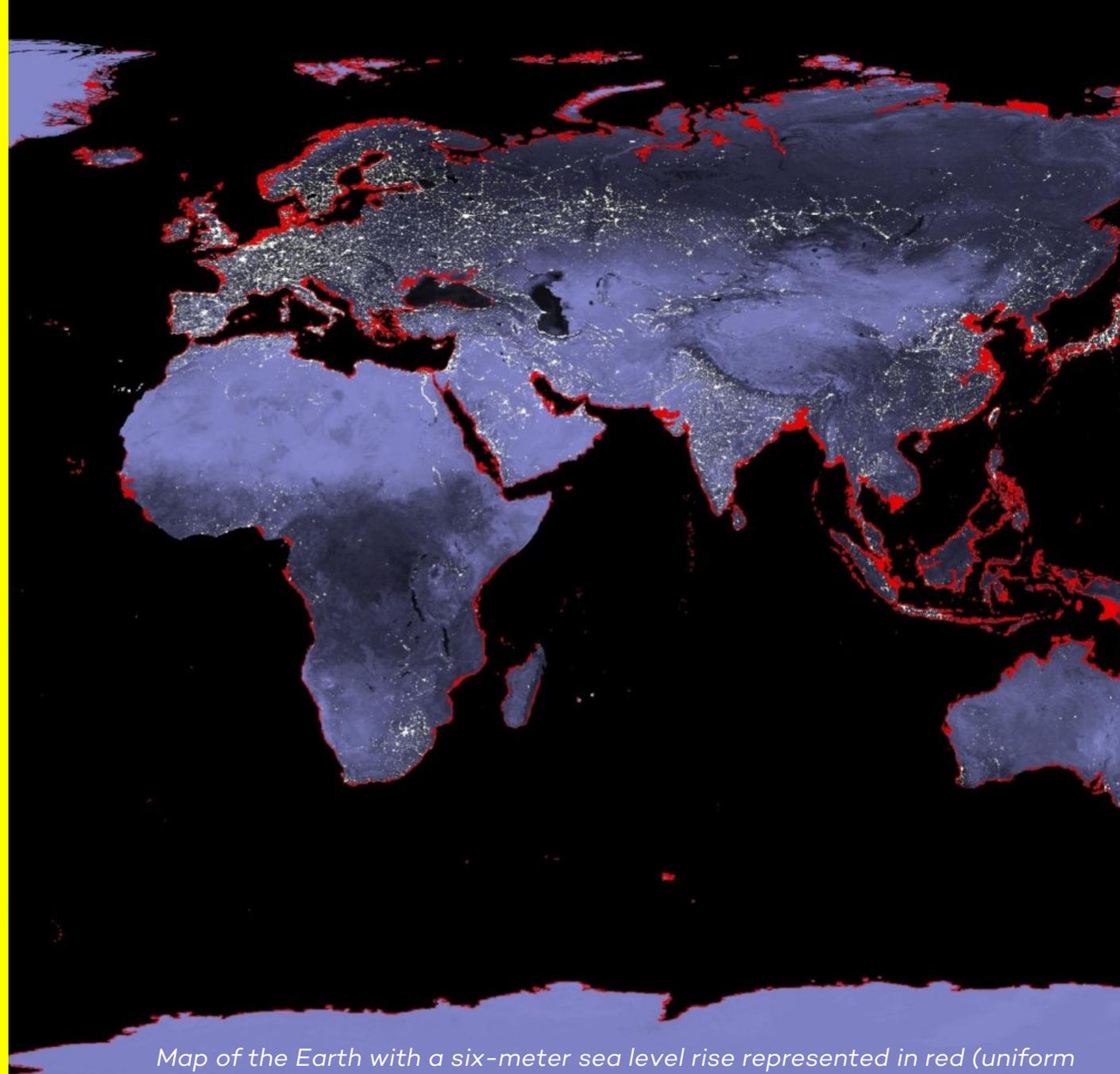




Jussi Palola, CEO

Our mission

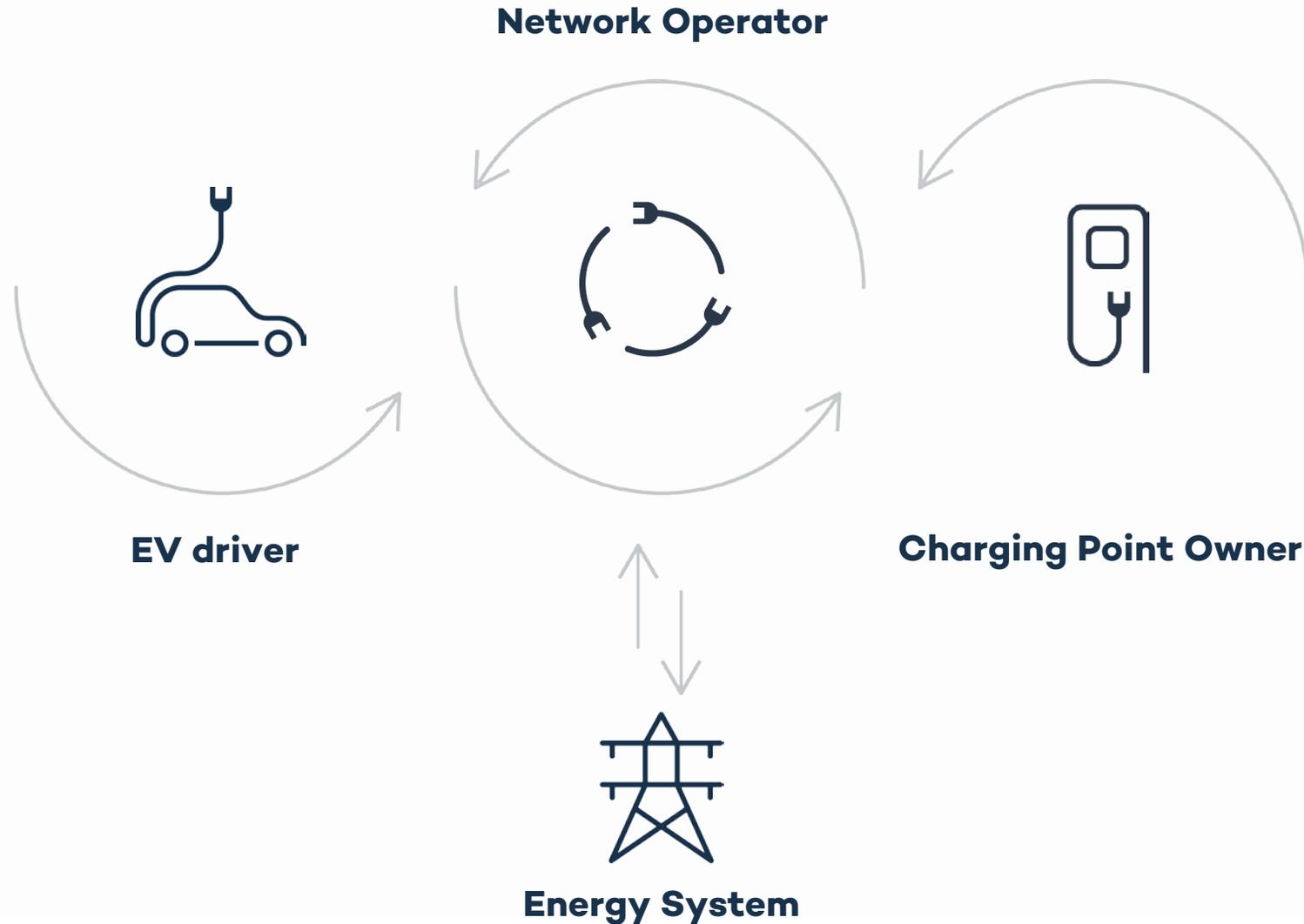
Solving the climate change through bringing electric mobility to the everyday life and energy system.



Map of the Earth with a six-meter sea level rise represented in red (uniform distribution, actual sea level rise will vary regionally). Source: NASA.

Virta provide

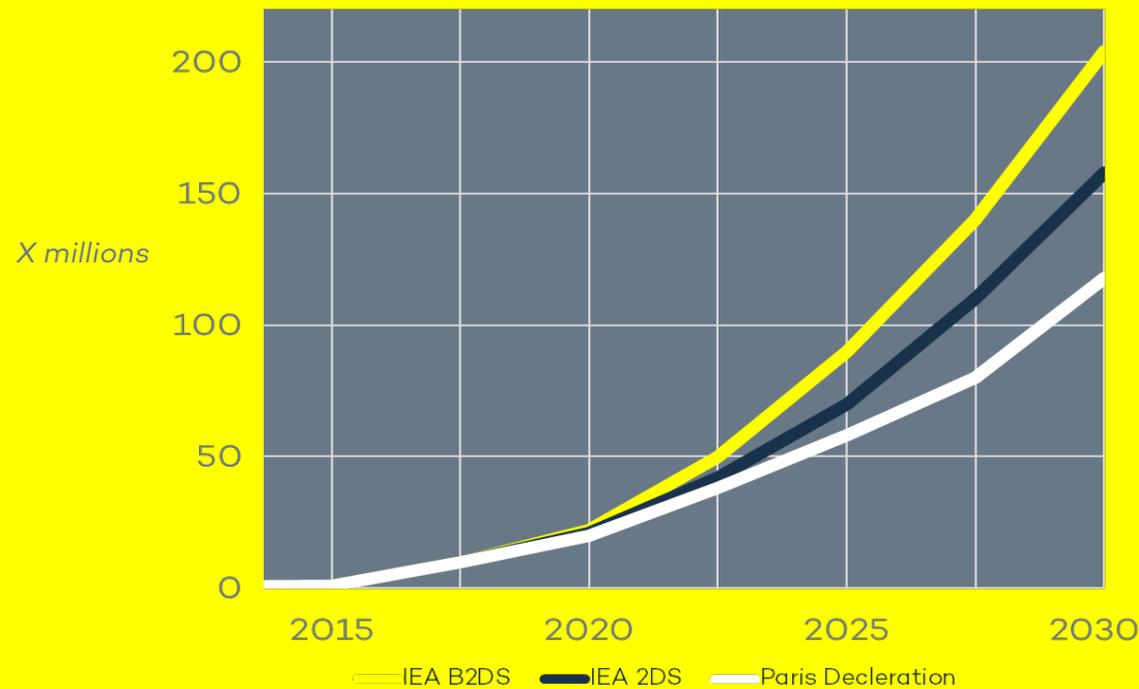
EV charging services for the whole value chain



1.

There will be more than 100 million electric vehicles by 2030

Global EV stock evolution

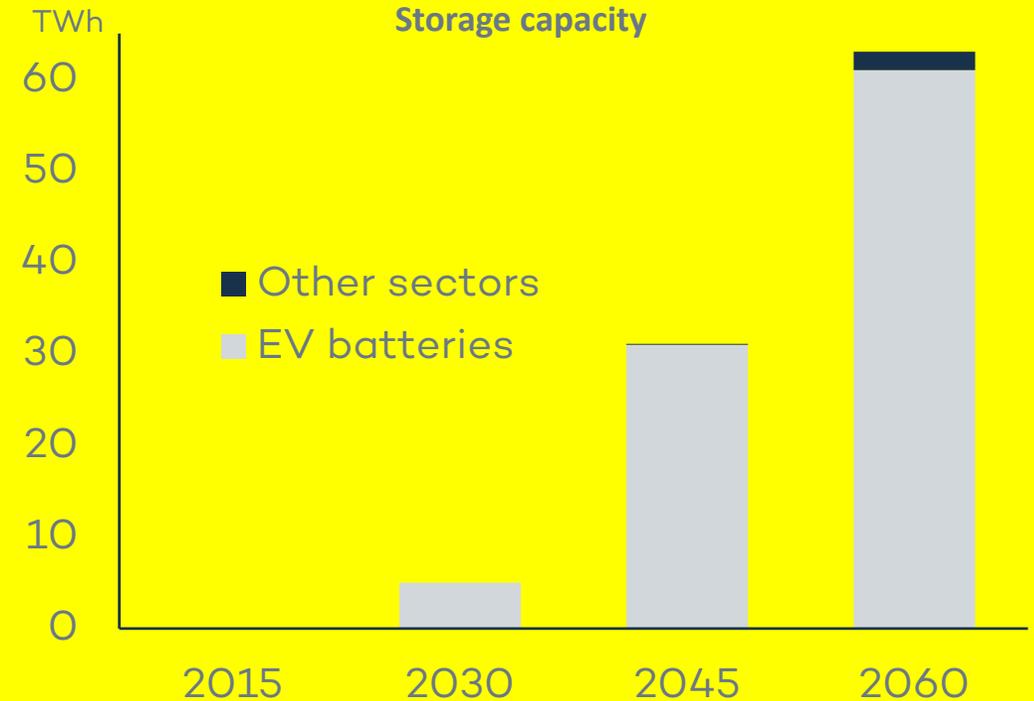


Source: IEA Global EV Outlook 2017

2.

The most of the battery capacity will be in Electric Vehicles

Storage capacity

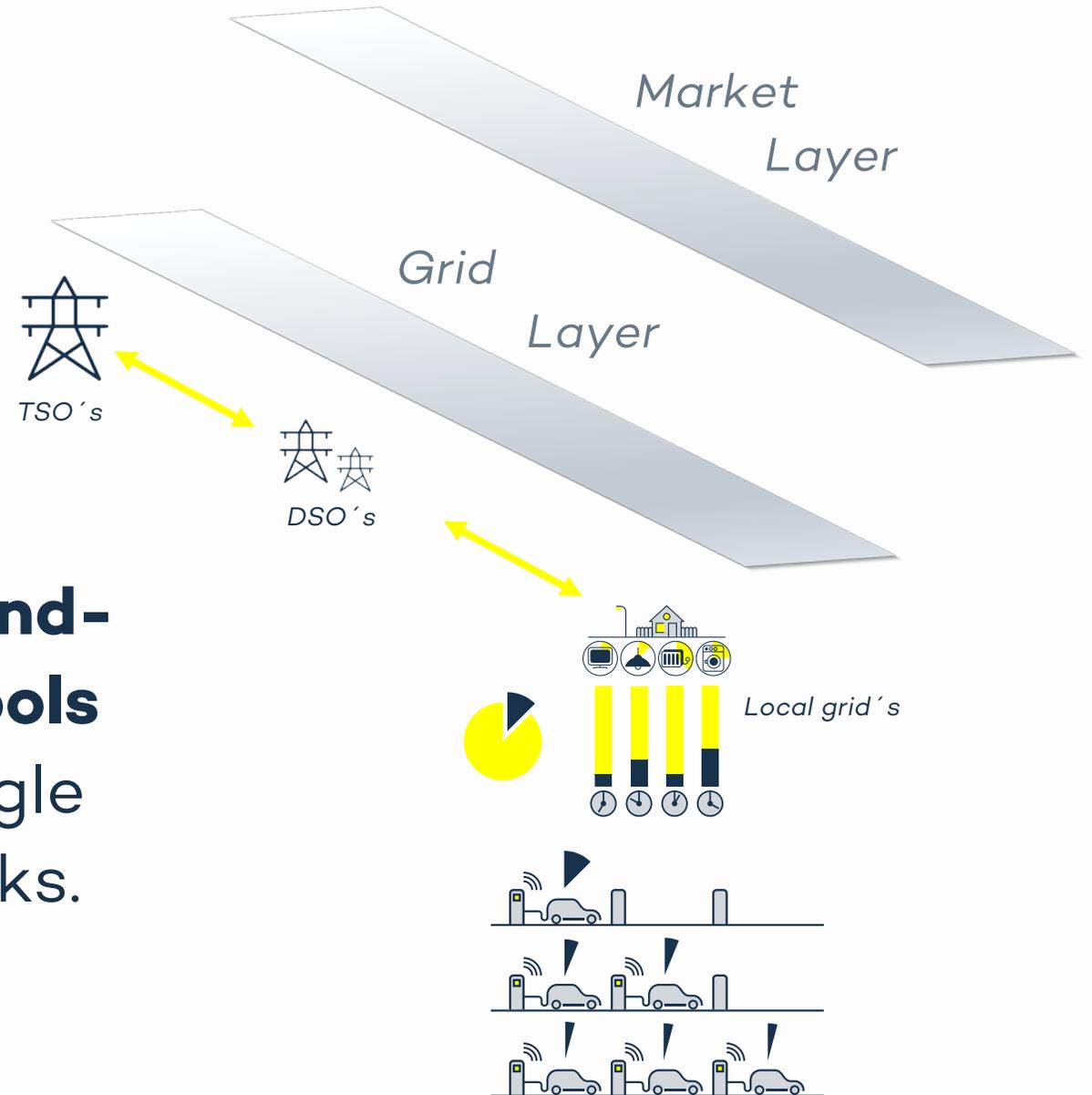


Source: IEA Electricity well below 2 degrees: from challenges to opportunities 2017

Demand-side management

and increasing distributed supply-side management

The power and energy **demand-side management require tools at multiple levels** – from single user to national wide networks.



Virta Energy Overview



Virta Home

Optimised Charging

- Optimize charging based on **Nordpool** SPOT prices
- Can be implemented with any given signal



Market module

Technical aggregation

- Aggregate EV resources for demand response at the energy market level
- Integrations to energy utility systems



Grid module

Protect the grid on all levels

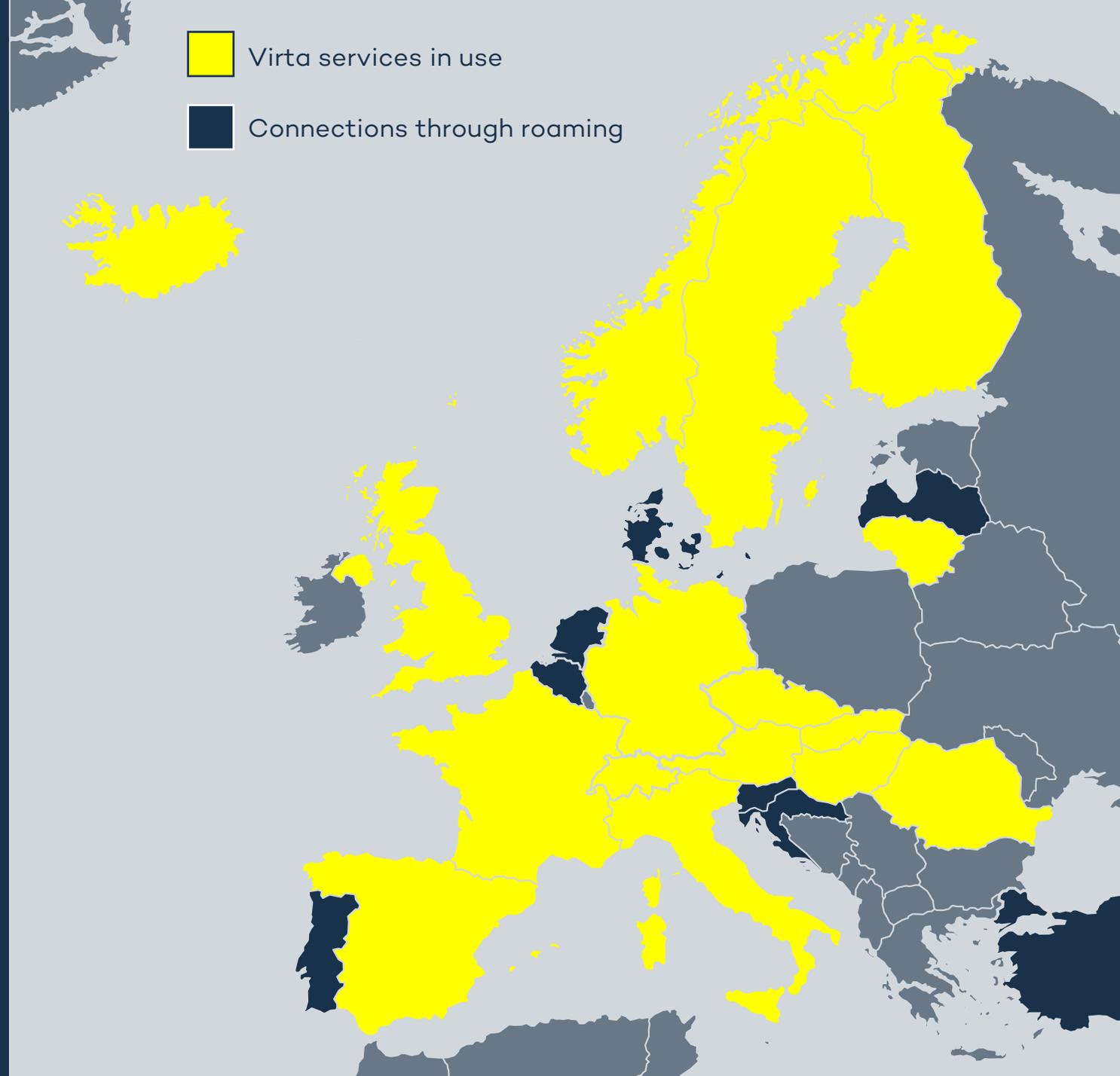
- EV's as Frequency Containment Reserves
- Local grid support with DLM
- Automated demand response based on local energy production signals

We're a top European player

Services currently being used in 15 countries and over 110 cities.

Leading platform in 6 European countries.*

**) France, Switzerland, Germany, Finland, Sweden, Iceland*

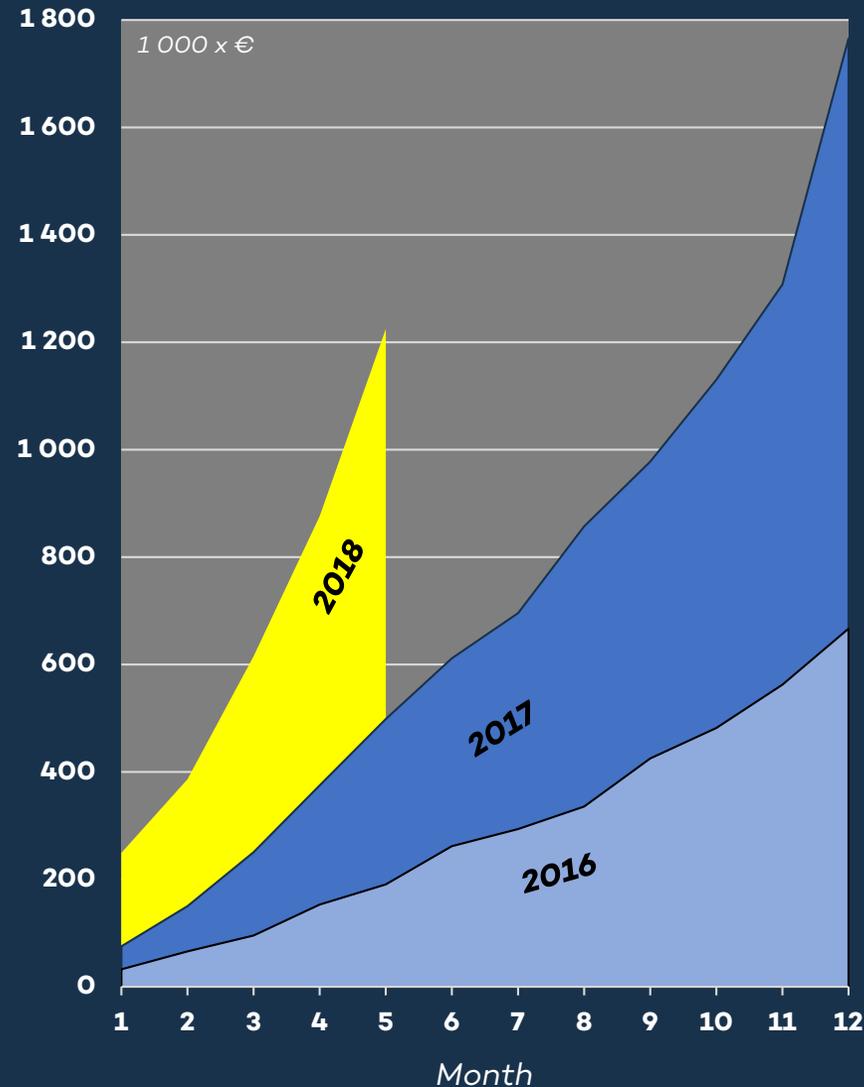


Our target

Grow faster than the market average and take the lead position in Europe in the next two years.

According IEA: Market is will be **40x** larger by 2030* and growth rate **40%-80 % p.a.** depending on the market area.

Virta Net Sales



FACTS

YEARLY GROWTH:

2015 **+187%**

2016 **+54%**

2017 **+165%**

EMPLOYEES: **61** (46 + 15)

OFFICES:

Helsinki (HQ)

Berlin

Stockholm

Paris

Key highlights

High growth Market

Ambitious and
unique vision

Industry innovation leader

Proven technical competence

Remarkable commercial
position in Europe

build in 3 years

Field-experienced
competent team

The time to enter the EV charging business is now

Join the cooperation with Virta

The EV disruption offers energy vendors remarkable opportunity: EV's are a significant component of the demand-response mix.



Grow your business
with us.

Jussi Palola, CEO

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