A better datacenter solution
for a clean AI Continent

Eurowind Energy

edora
Software

Two leading partners are redefining the traditional datacenter model through innovation.

Eurowind Energy

Independent Power Producer (IPP) Founded 2006 by CEO Jens Rasmussen and two partners.

Today 50% owned by Norlys (Danish energy and telecommunications company)

Eurowind Energy is engaged in energy production through wind farms, solar parks, and biogas facilities, and is actively involved in operating PtX facilities, battery storage systems and power grid infrastructure.

Energy production capacity 1.3 GW

Asset Management 2.2 GW

Development portfolio 61 GW

687 employees

16 countries

Edora

Founded 2000 by CEO Mads Hedegaard and CTO Rasmus Skovmark.

Edora is a medium-sized Danish IT provider focusing on infrastrucutre operations, cloud services, application management and development of IT solutions – primarily for the public sector.

125 employees

Launched Edora Cloud in 2024. A public EU Cloud based 100% on open source technologies.
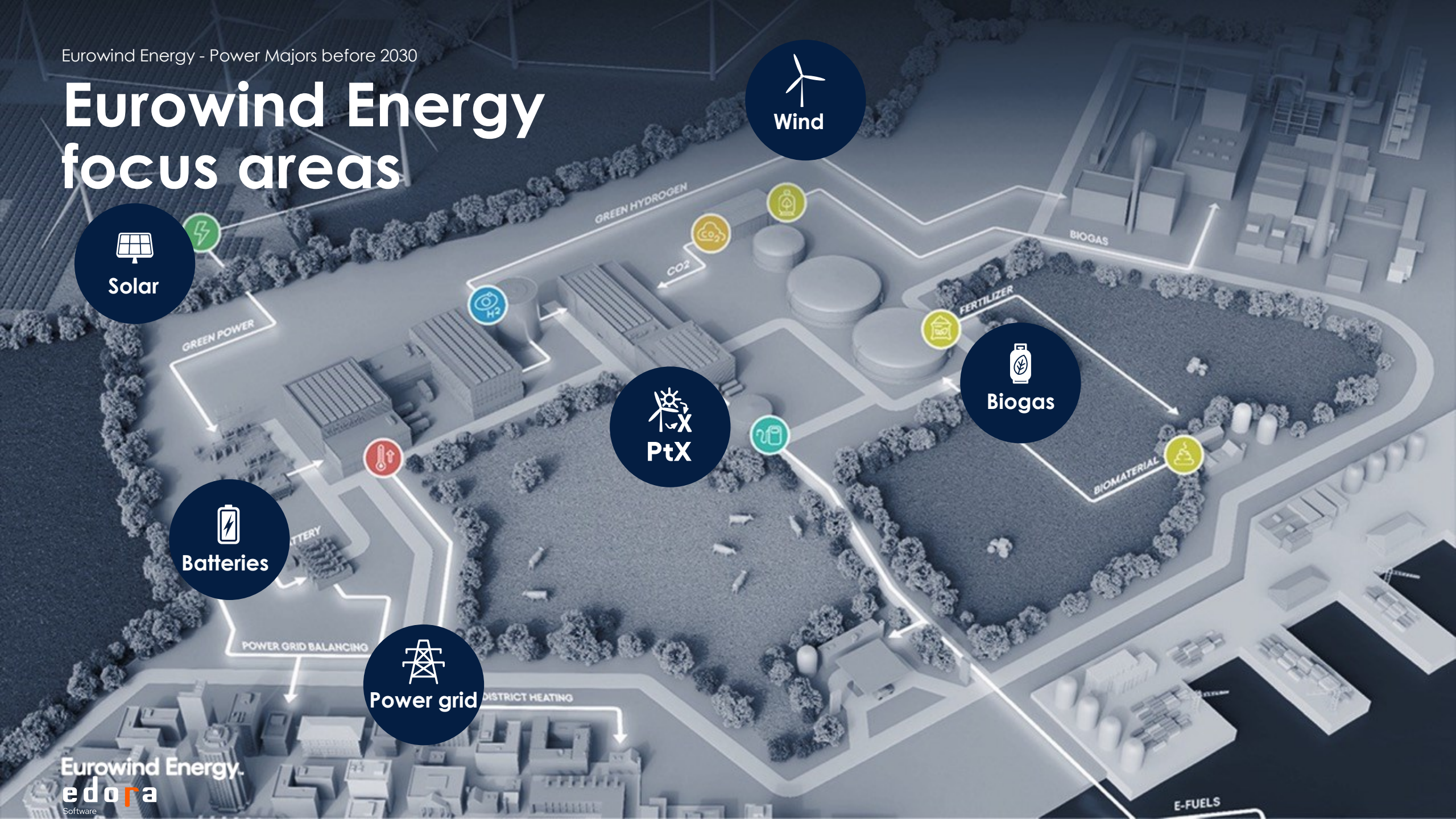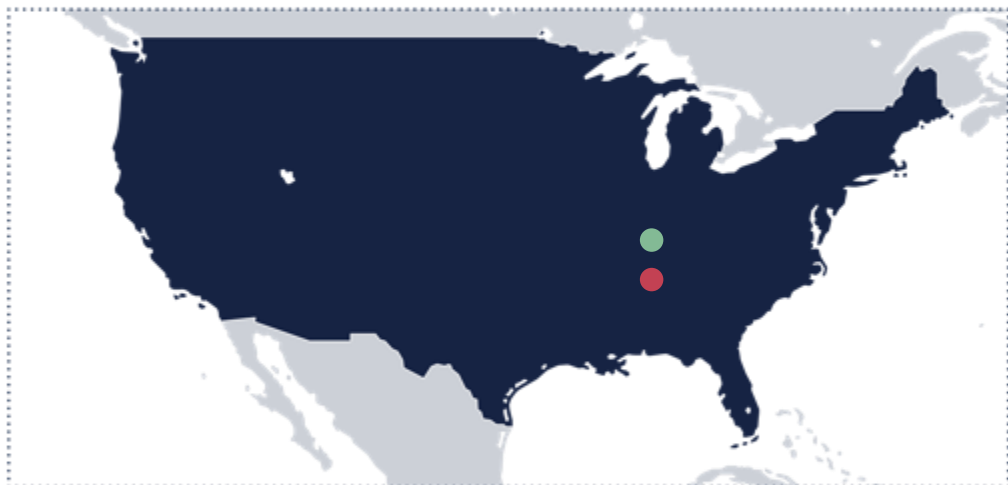
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Eurowind Energy focus areas

Wind

Solar

Biogas

PtX

Batteries

Power grid

GREEN HYDROGEN

BIOGAS

CO2

GREEN POWER

FERTILIZER

BIOMATERIAL

BATTERY

POWER GRID BALANCING

DISTRICT HEATING

E-FUELS

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EWE sites
and operations

EWE office

Ownershipo

Development portfolio

Asset Management

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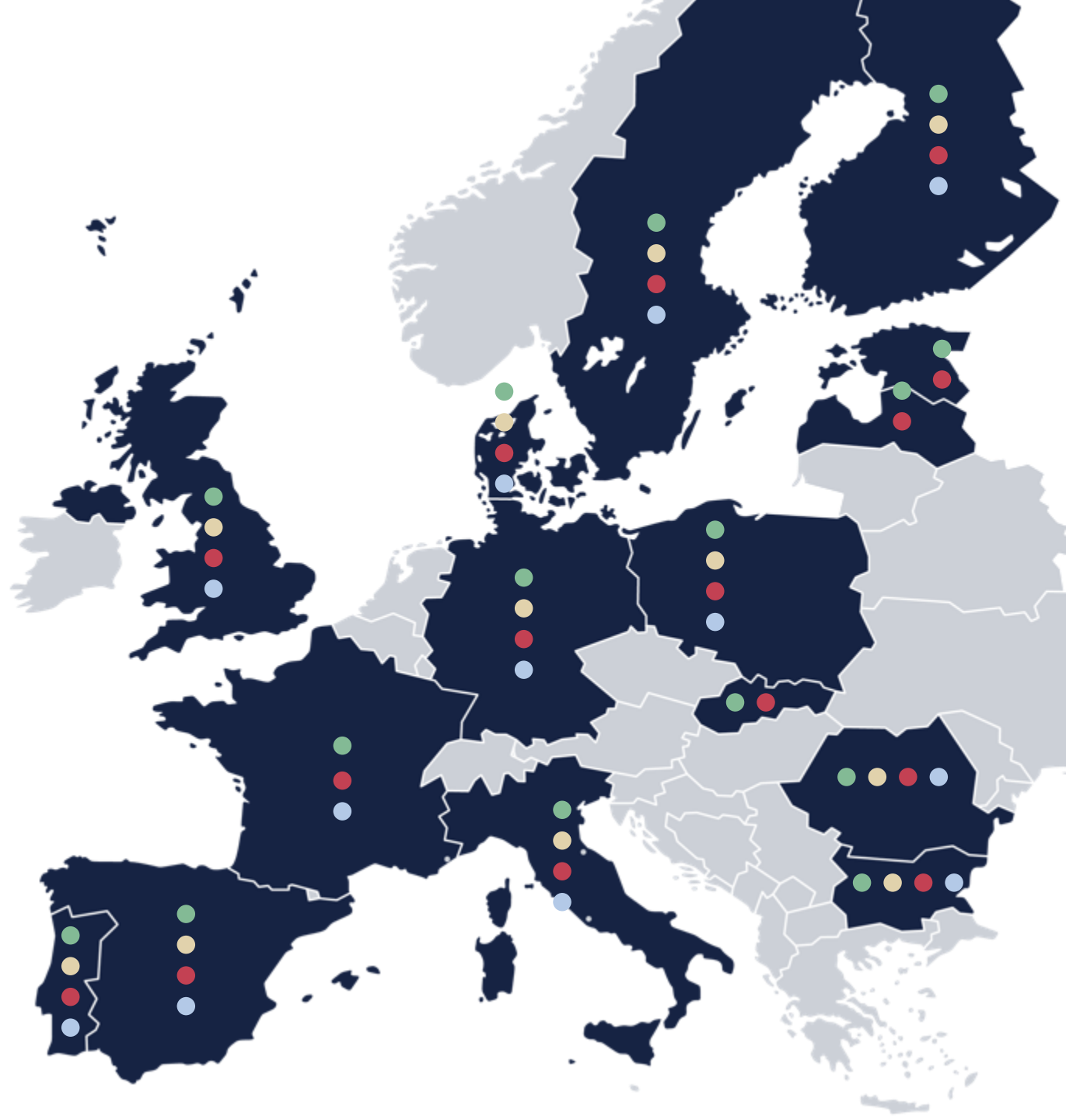
Conventional approach

The traditional model for cloud services and infrastructure operations has followed the classic centralized data center approach: Typically located in a major city, powered by grid-supplied electricity and reliant on short-duration battery backups supplemented by on-site diesel generators.

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Data processing where renewable energy is abundant – from wind and sun

Can we integrate data centers into Power-to-Data infrastructure?

Data centre demand growth is set to shift from the top five markets to Northern and Southern Europe

Source: Ember analysis based on data from ICIS — EMBER

Data centres are projected to add more to global electricity demand growth than heavy industry or domestic heating

Source: IEA — EMBER

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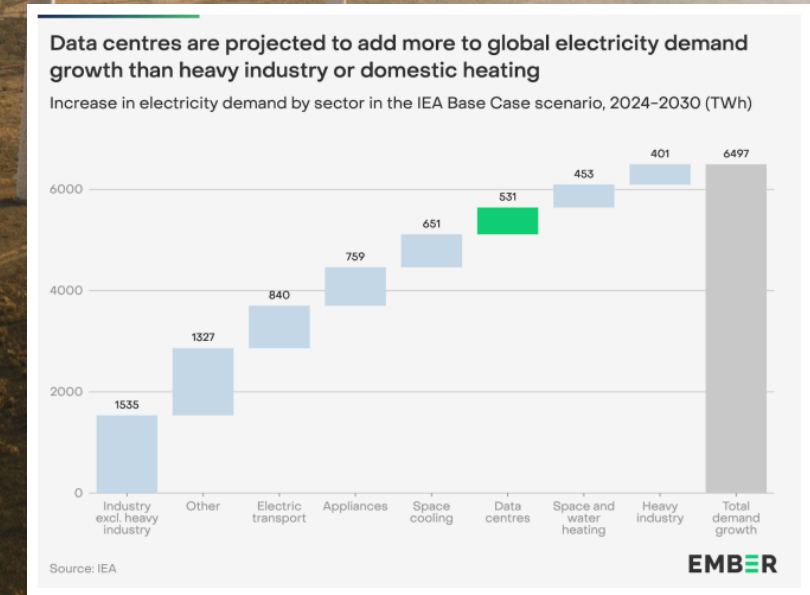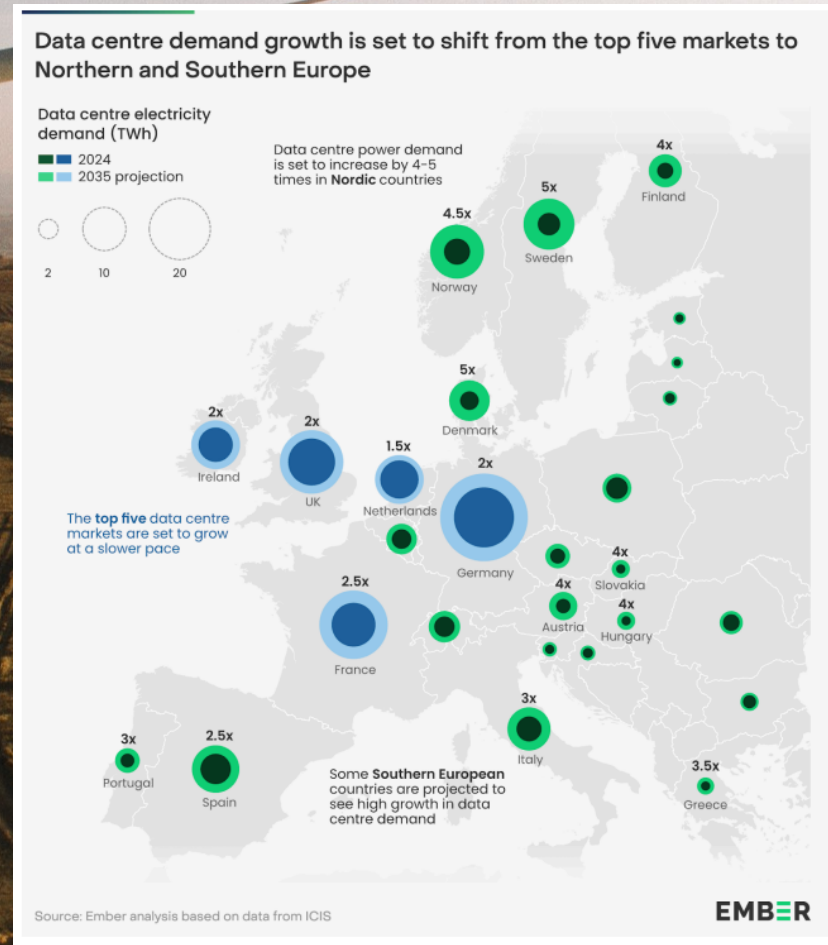
Dezentralized Datacenters

Benefits

AI advancements are driving a surge in demand for new datacentres as existing facilities are in short supply or unable to meet the massive need for computation power.

Grids have emerged as the primary barrier in traditional data centre hubs. Dezentralized datacenters reduce the grid infrastructure investments, as a substantial portion of electricity demand can be met directly at the point of generation.

Delays in the expansion of RE infrastructure by electricity operators present an opportunity for decentralized data centers to play a catalytic role in accelerating the transition.

Electricity transmission losses are reduced by approximately 50%.

Compared to large centralized data centers, decentralized infrastructures provide enhanced resilience, including improved security against risks such as terrorism.

Disadvantages

The surplus heat may present greater challenges for integration into district heating networks due to temperature mismatches, distribution losses, or limited local demand.
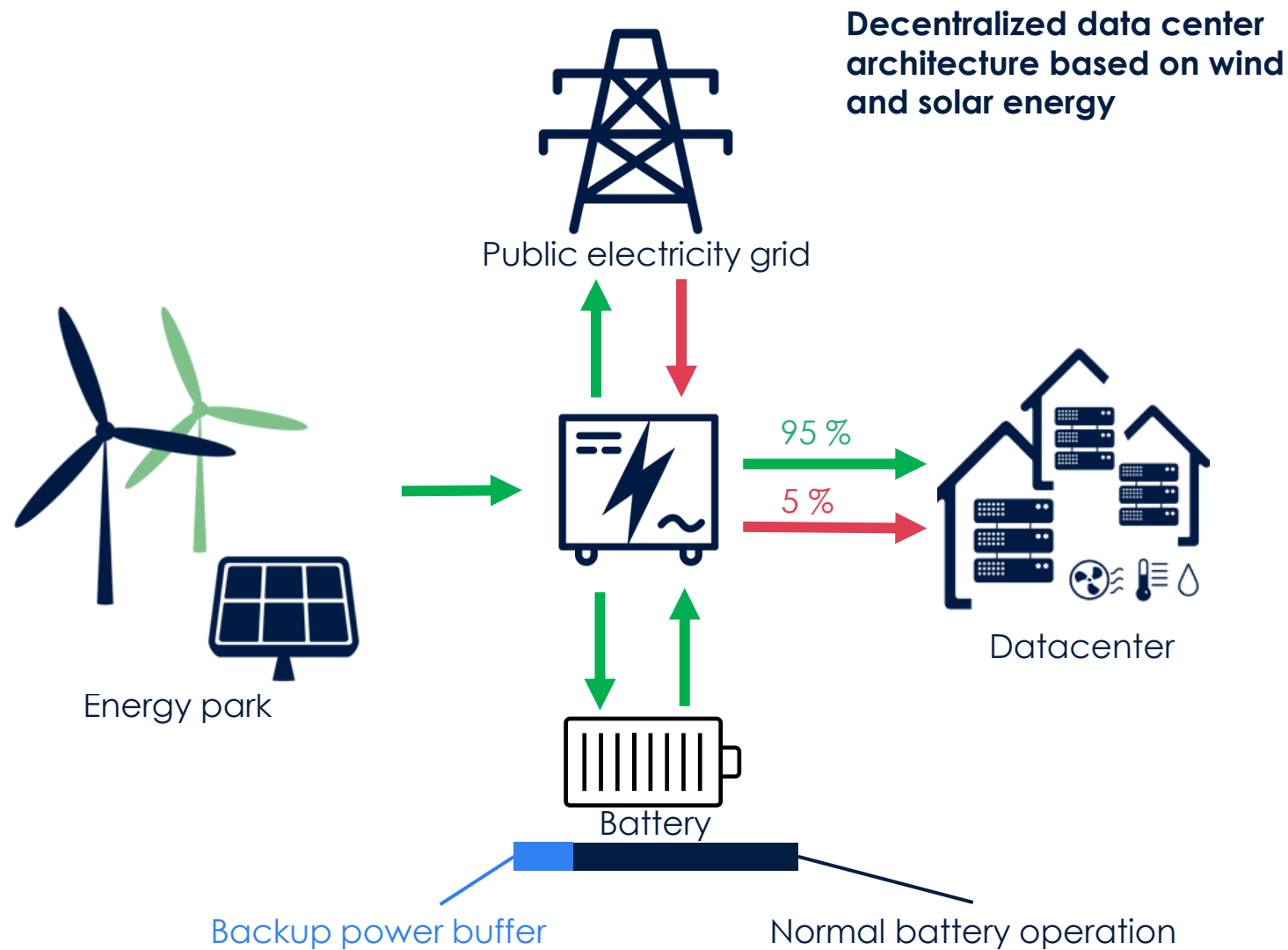
Locating facilities in rural areas may pose infrastructural and regulatory challenges for rural municipalities
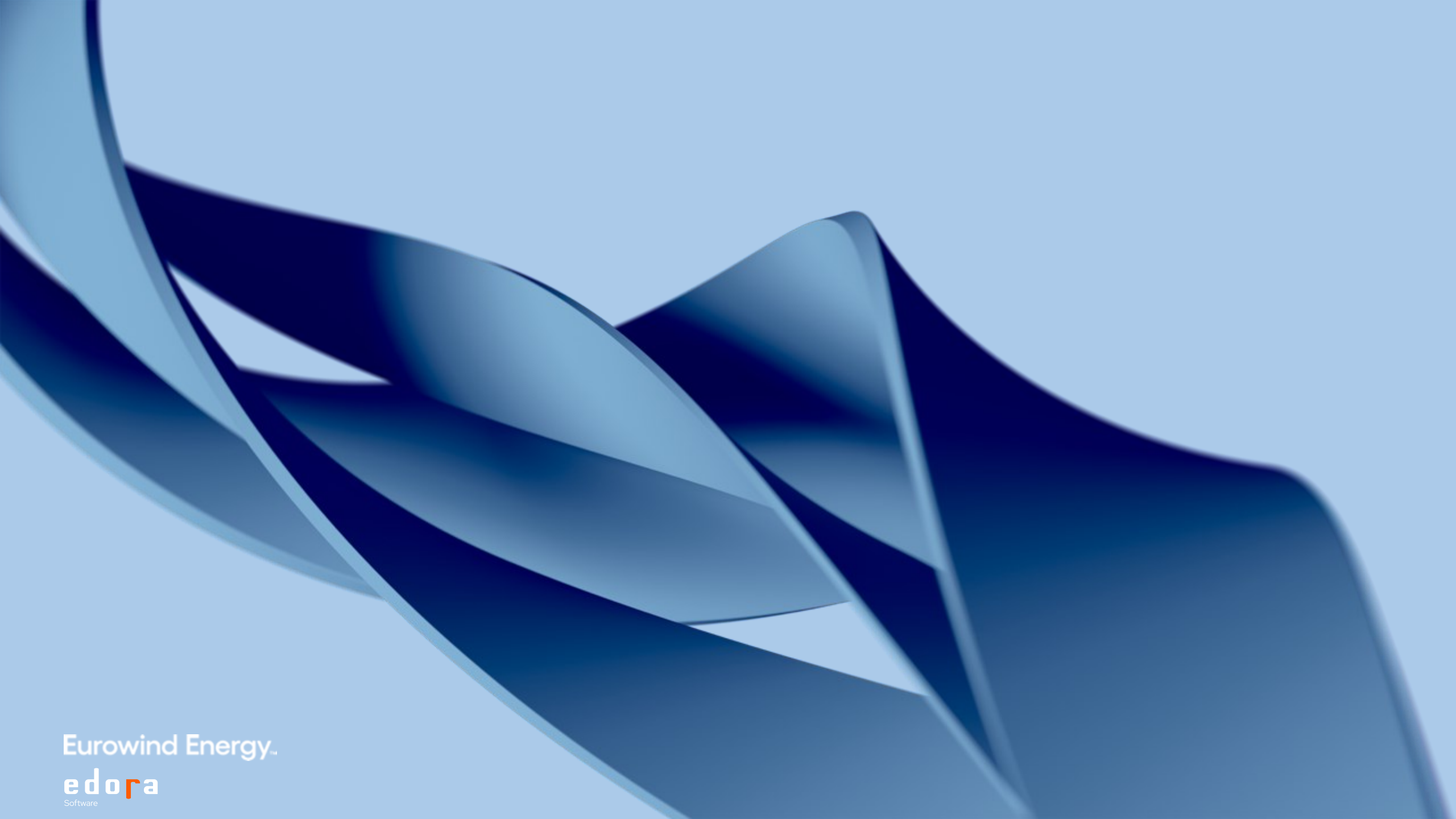
The decentralized data center must be capable of sustaining a minimum load uptake of 5 MW (making it well-suited for use as an AI data center).

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The prototype is scheduled for production in Denmark Q4, 2025

Decentralized data center architecture based on wind and solar energy

Public electricity grid

Energy park

95 %

5 %

Datacenter

Battery

Backup power buffer

Normal battery operation

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