



# Software service ecosystems for the digitalisation of solar & storage

Digital Solar & Storage – Munich – 5 Dec 2017

**1999**

Founded

**100**

Experts

**20**

Nationalities

**40**

Countries

**7**

Offices

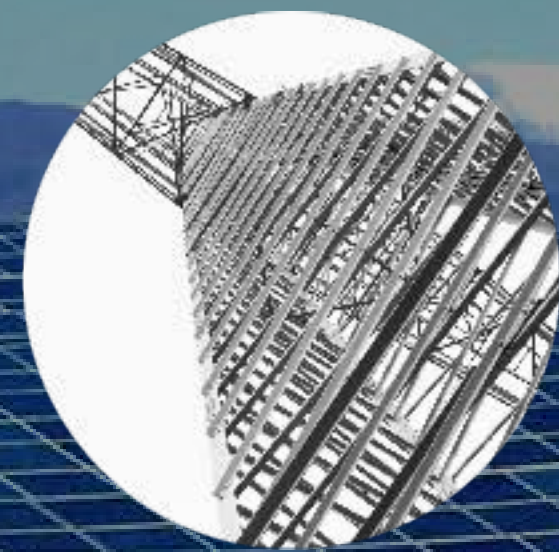
**3**

Spin-offs

**Consulting**



Solar



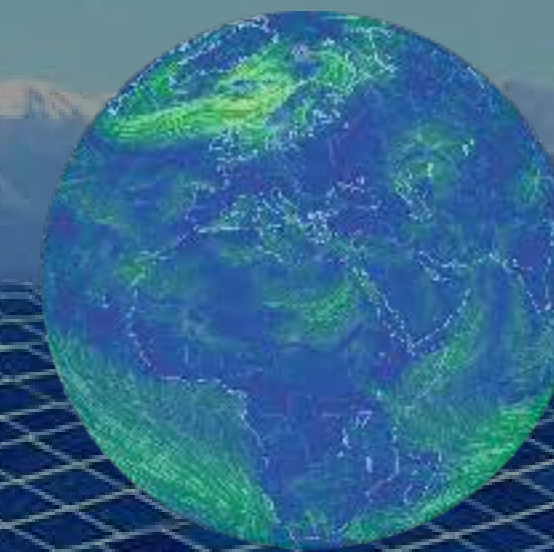
Grids & markets



Wind



Buildings & sites



iLAB

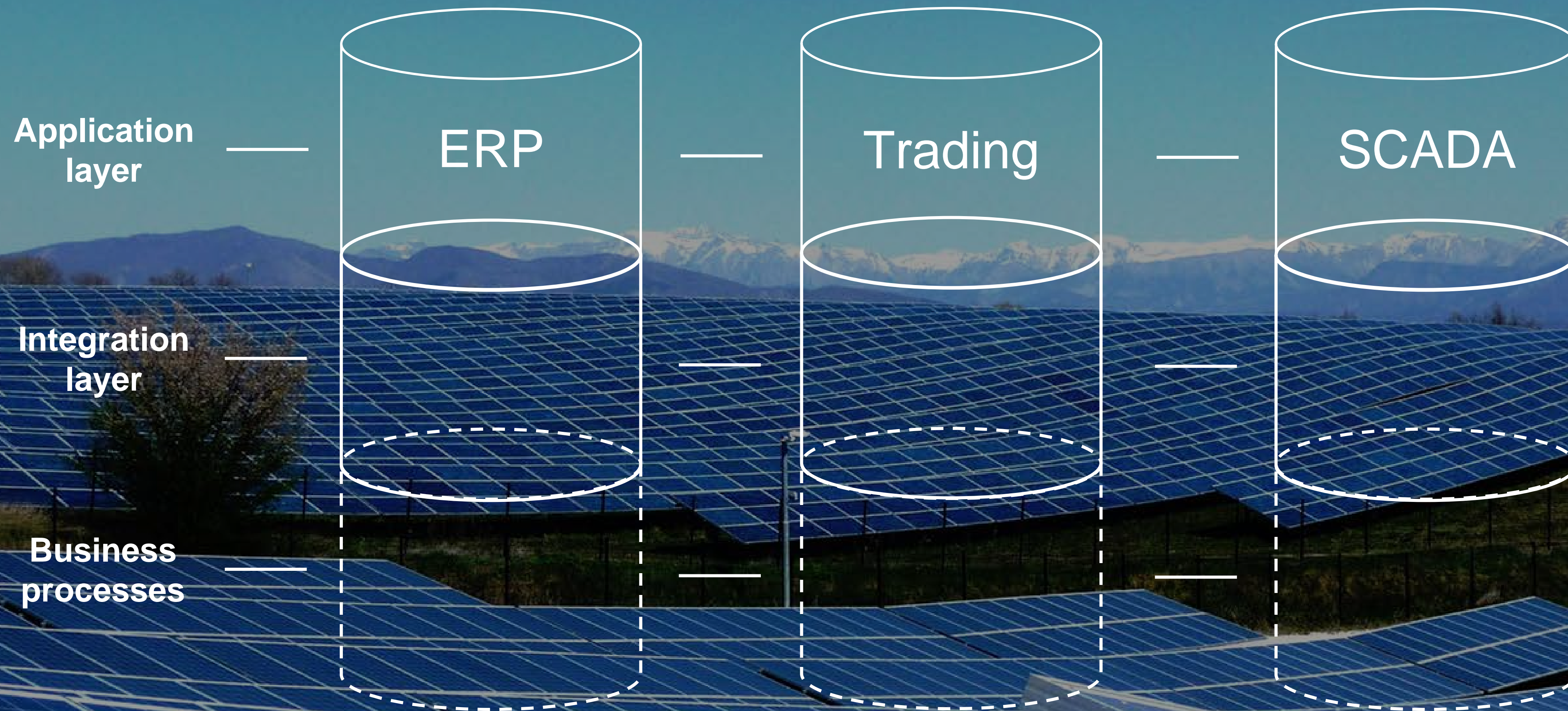
**Innovation**

**Software**



*“The digitalisation of our sustainable energy infrastructure will only become smarter if we can reduce the cost of interoperability”*

# Where we come from



# Towards a network of services

**Devices**

Meters

Solar  
assets

Storage

Buildings

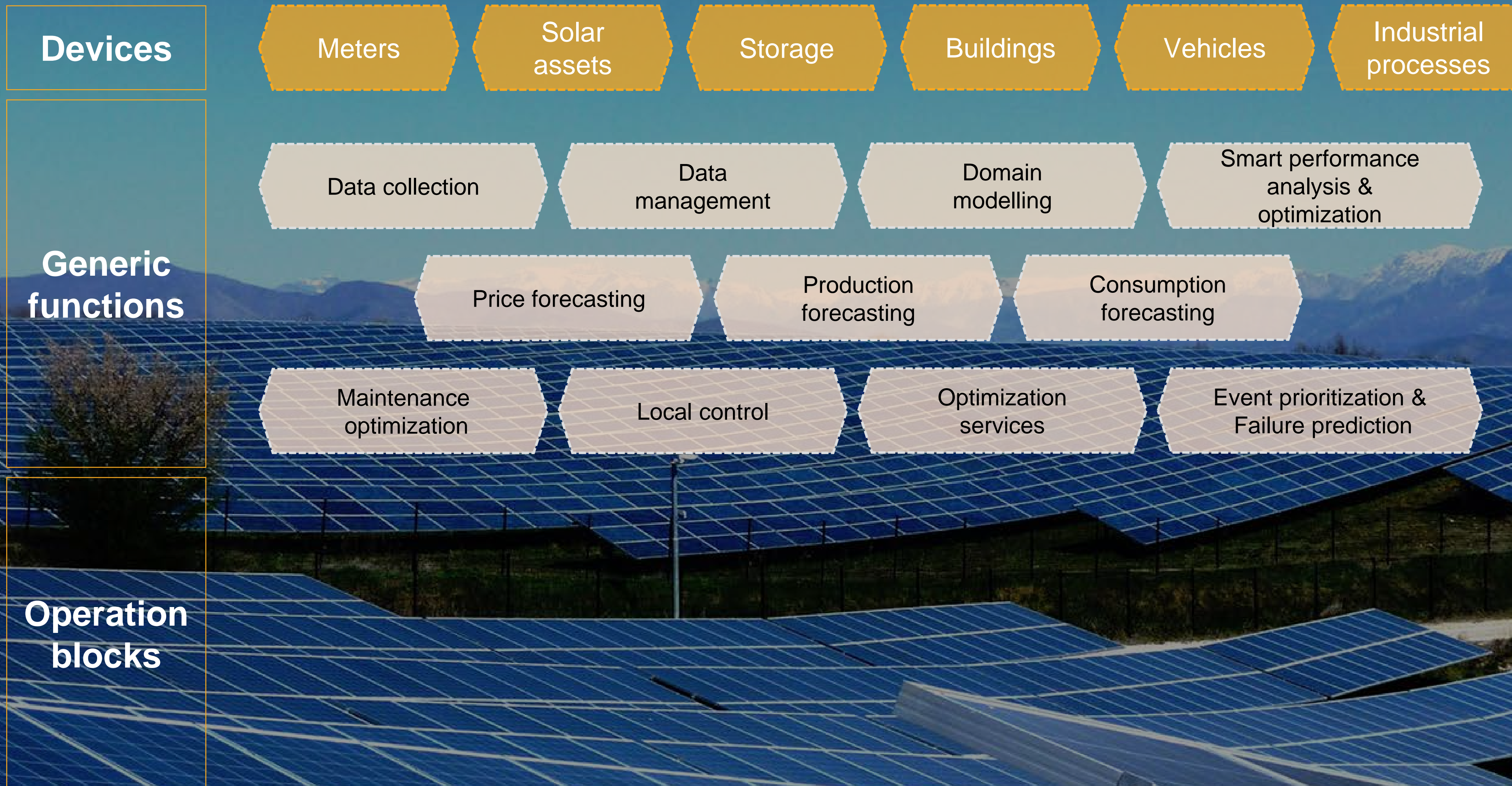
Vehicles

Industrial  
processes

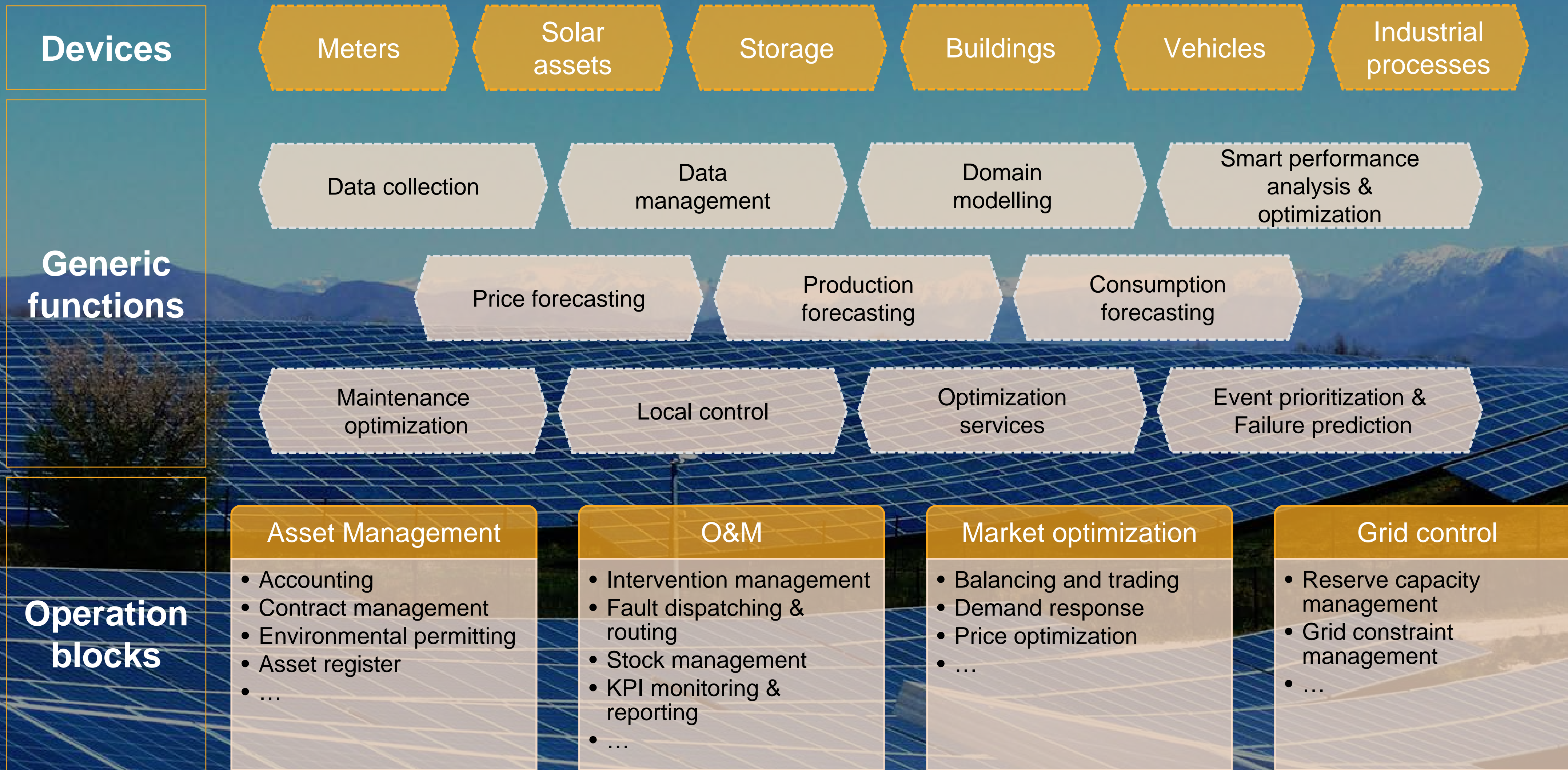
**Generic  
functions**

**Operation  
blocks**

# Towards a network of services



# Towards a network of services



# Digitalisation of the solar-storage information network...

...will not come from:

- Only hardware dependent solutions
- One integrated silo solution
- Complex integration projects

...will come from:

- **Open platform** based solutions
- A combination of **specialized software** services
- **Open APIs**, flexible & standardized interfaces



# 3E provides

**Strategic & technology advice**

*Grid integration studies, owners & lenders engineering, due diligence*

**SynaptiQ Solar & Wind**

*12 GW of solar & wind assets: performance monitoring, asset management & reporting*

**PV Health Scan, Sensor Check**

*AI analysis of system and component performance*

**SynaptiQ Building**

*AI based building control to optimize energy use & comfort.*

**Solar & Wind Data Services**

*Best-in-class satellite irradiation data, wind & solar production forecasting*

# Thank you!

Brussels  
Paris  
London  
Delhi  
Toulouse  
Istanbul  
Cape Town

[WWW.3E.EU](http://WWW.3E.EU)



# Quality informations

## Project number

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