

# OUR TEAM

## CONSORTIUM

12 PARTNERS

The project comprises a high quality, complementary and multidisciplinary consortium that consists of 12 partners, from nine different European Countries.

## PILOT SITES

FIVE EUROPEAN SITES

The large-scale pilots from Spain, Belgium, Denmark, Slovenia and Turkey have been carefully chosen to provide wide and diverse scenarios for tool development and business service testing.

## PROJECT COORDINATOR

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## GET IN TOUCH



bd4opem.eu



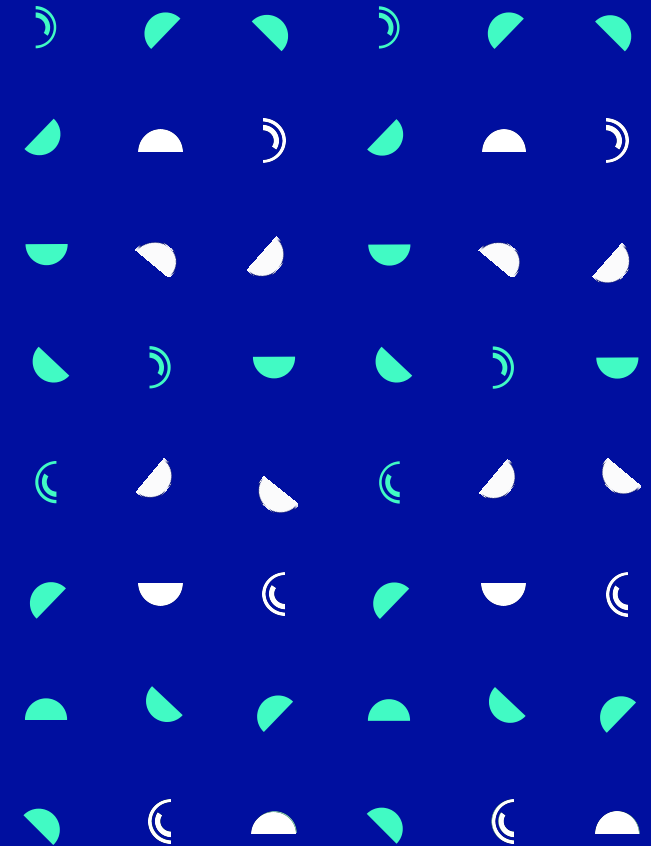
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**BIG DATA FOR OPEN ENERGY  
INNOVATION MARKETPLACE**



**BD4OPEM**

## ANALYTIC TOOLBOX

Big data processing techniques are the core of the analytic toolbox. It is a virtual interface supporting those providing data, those requiring data analytic services and those delivering such services. Data providers and service users can be one and the same organization.

## CLOUD-BASED OPEN INNOVATION

### MARKETPLACE (OIM)

The OIM enables large-scale multi-party data exchanges and real-time processing of energy-related data in smart distribution grids. It will connect energy stakeholders' needs directly with solutions to enhance energy asset management, promote consumer participation and create new data-driven business models and value chains for energy stakeholders.

## UNIQUE BD4OPEM SERVICES

18 services to address the needs of System Operators, Energy Suppliers and Aggregators, Microgrid operators, Prosumers and e-Mobility service providers. Big Data and AI techniques, such as Data mining and Machine Learning, applied to enhance network planning, monitoring and operation & maintenance. Services are commercially available from the Open Innovation Marketplace.

### PLANNING

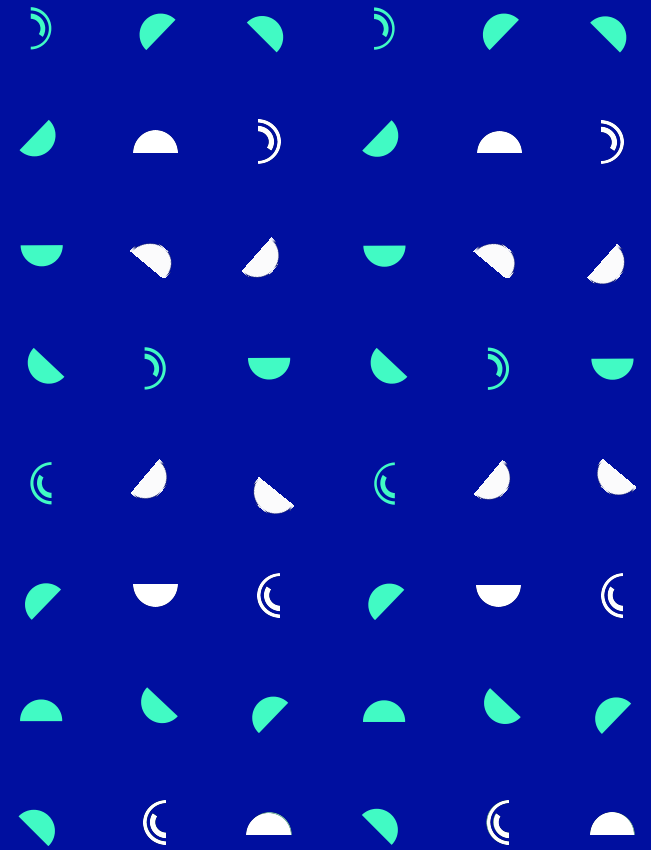
Services include Asset Investment Planning, Impact studies of PV, EV or New Loads and MicroGrid Operational Scheduling.

### MONITORING

Services include LV Network Topology Identification, LV Grid Observability and Fraud Detection.

### OPERATION AND MAINTENANCE

Services include Predictive Maintenance, Grid Disturbance Simulations, Flexibility Forecasting, Flexibility Services, EV to Grid, Building Energy Management, Energy Forecasting and P2P Trading.



# ABOUT BD4OPEM

Our scope is to develop innovative business solutions for the Energy market utilising Big data and AI to enhance the planning, operation & maintenance and monitoring of electrical distribution grids.