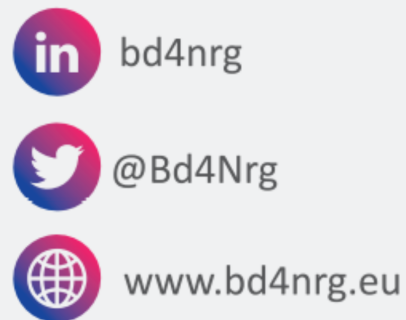


Who we are



**BD⁴
NRG**
Big Data for Next
Generation Energy

Let's stay connected



BD4NRG project has received funding from the European Union's Horizon 2020 Research and Innovation programme under grant agreement No 872613

Large Scale Pilots
**Innovating Energy
Management**

**Managing
Distributed Energy
Sources Assets
under BD4DER
applications**



5 Real life applications

Control Optimisation

Tailored made for efficient buildings

Demand-Response management

Smart, cost-effective load optimization

Real-time analytics

Dynamic insights for adaptable networks

Prosumer Empowerment

Diverse models for active energy participation

Battery Prediction

Anticipate critical events for reliable storage

RES Forecast

Accurate predictions for optimal energy use

Digital Twin Tech

Virtual monitoring for smarter decisions

CENTRICA Belgium



- Optimal control models.
- Balancing services for residential assets.
- Contributing to RES integration.

EKL, BORZEN & CS Slovenia



- Coordinate grid & behind-the-meter assets.
- Enhanced flexibility management.
- Data-driven decision making
- Efficient network operation.

ENELX Italy



- Predictive analytics for storage-optimised operation.
- Improved reliability & prediction of critical events.
- Reduced operating and maintenance costs.

UNIWA/TILOS Greece



- Predictive demand and generation for local energy community.
- Upscale EMS for improved forecasting.
- Enhanced real-time control & reliability.

ENERCOUTIM Portugal



- Collaborative aggregated energy generation prediction.
- Scalable AI-based analytics at the network edge.
- Asset-level anomaly detection and prediction.
- Integration of cross-functional data for regional analytics.