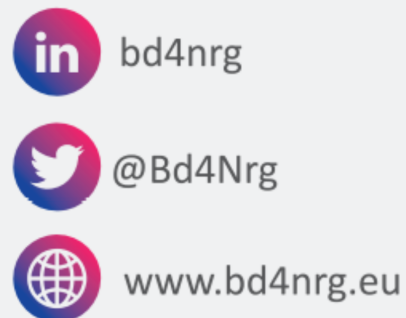


Who we are



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

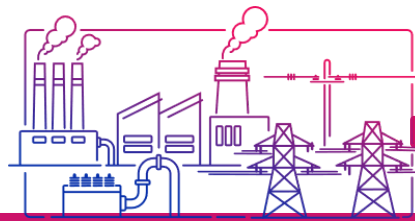
Let's stay connected



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Large Scale Pilots
**Innovating Energy
Management**

**Exploring the
frontiers of grid
technology
under BD4NET
applications**



4 Real life applications



Grid Assets Fault

Rapid identification and categorisation of grid asset faults for efficient management.



Condition Evaluation

Proactive assessment of grid assets to ensure optimal performance and longevity.



Maintenance Digitalisation

Streamlined, data-driven maintenance planning for cost-effective operations.



Failure Identification

Quick detection of distribution network failures to maintain consistent energy flow.

REN & RDN Portugal



- Integrating off-grid data for enhanced predictive asset maintenance.
- Assessing condition of grid assets.
- Implementing predictive maintenance.
- Effective data processing for grid asset management.

ELES Slovenia



- Optimising grid operation & asset management.
- Streamlining market transactions.
- Balancing transmission capacity.
- Essential functions in capacity management.

ASM Italy



- Predictive management & grid operation integration.
- Data analytics for DSOs' asset management.
- Prioritising transformer asset predictive maintenance.
- Integrating EV smart charging into infrastructure.

OEDAS Turkey



- Predictive asset management.
- AI-based predictive maintenance for network assets.
- Forecasting for maintenance and failure points.
- Strategic investment planning based on AI predictions.