

FOR PROJECT OWNERS & DEVELOPERS

The studies that decide whether your project connects

Whether a project connects, at what cost and under what conditions is decided by grid-side engineering. Since 2011 we have delivered exactly this work for developers, IPPs and utilities – among them EnBW and Lightsource BP – as an independent firm from Ankara and the partner and representative of DlgSILENT GmbH in multiple countries.

2011

founded in Ankara

250+projects delivered
in 10+ countries**8**service areas —
all shown below**6**grid code environments
DE · SA · AZ · TR · XK · TM

OUR 8 SERVICE AREAS

highlighted: our focus for project owners & developers

Grid Connection

Grid Code

Planning & Stability

Protection & Power Quality

Renewables & BESS

Markets & Feasibility

Smart Grids

Software and Test

WHAT WE DELIVER

- **Which connection point is the better one** — technical and commercial comparison of connection alternatives.
- **How much the grid will actually accept** — hosting capacity, load flow, short circuit and N-1 contingency analysis.
- **What curtailment to expect** — and which reinforcements or operating strategies reduce it.
- **How much reactive power to procure** — requirement sizing against the applicable connection rules.
- **How to size storage** — BESS power and energy sizing when a site is built hybrid or hybridised later.
- **Complete grid code packages** — static and dynamic studies through to the final compliance documentation.

SELECTED WORK

144 MWh battery storage — Pasewalk, Germany

Grid code studies for a utility-scale BESS, 2026.

2 × 1 GW solar PV — independent technical review

Sivas and Taşeli plants, Türkiye.

Grid-scale BESS feasibility — Türkiye & Azerbaijan

Including a 250 MW BESS siting and sizing study.

240 MW wind — Khizi-Absheron, Azerbaijan

Grid code compliance for a national flagship wind farm.

Turning data into sound investment decisions through reliable models.

HOW WE WORK

01 Scope & data

Objectives, boundary conditions and data requirements.

02 Modelling

Grid, plant and control models in PowerFactory.

03 Scenarios & analysis

Normal operation, critical contingencies, sensitivities.

04 Recommendations

Limits, settings, investment and operational actions.

*Clients include EnBW · Lightsource BP · ACWA Power · Enerjisa Üretim · Borusan · Kalyon Enerji · Power China · ARUP***Let's discuss your project**info@epra.com.tr · +90 312 299 25 27 · www.epra.com.tr · Hacettepe Teknokent, Ankara**WindEnergy Hamburg 2026**

22-24 September — we are attending