

PARTNER

SHIP



Energy Efficiency Company

Company Showcase



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Introduction

What is Energy Efficiency Solutions?



Mobile Testing Laboratory for LVRT/HVRT Assessment
We specialize in the design, manufacturing, and commissioning of mobile laboratories for testing:

- Voltage dips
- Overvoltages
- Phase shifts
- Mobile substations

Additionally, we design, manufacture, and commission mobile substations to ensure power supply in areas where traditional substations are either malfunctioning or unavailable. Our solution is fast and efficient, as it is mounted on a truck platform, allowing easy transportation to the required location.



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Our Vision & Mission

Our Vision

To be recognized as leading global engineering services and R&D&I company in Energy Sector.

Our Mission

We strive to offer our customers, technology-based solutions for the optimization of energy assets.



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How it works:

We offer our customers a comprehensive range of services for analyzing and assessing the impact of renewable energy generation systems on the grid.



GRID QUALITY ASSESSMENT

- ✓ Audits for evaluation of electrical performance and quality of electricity production
- ✓ Flicker level
- ✓ Harmonic component



GRID QUALITY ASSESSMENT

- ✓ Frequency response
- ✓ Voltage control
- ✓ Active and reactive power provision
- ✓ Connection



GRID INTEGRATION STUDIES

- ✓ Load flow and impact analysis
- ✓ Studies of short-circuits
- ✓ Transient stability analysis
- ✓ Analysis through simulation
- ✓ Impact analysis on the renewable network



GRID INTEGRATION STUDIES

- ✓ Modeling and simulation of wind farms and solar plant
- ✓ Model validation
- ✓ Insulation coordination
- ✓ Ad-hoc solutions design
 - ✓ Protection setting calculation
- ✓ Protection coordination studies

Consulting and Engineering Services

- Assistance in decision-making and upgrading of new and existing facilities/power plants
- Guidance on implementing new country-specific regulations



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01

Technical support

- Resolution of technical issues
- Feasibility studies
- Troubleshooting facilities

02

Formative support

- Theoretical practical formative support
- Training seminars

03

Services

- Design and consultancy in inductive components and custom electronics
- Design and consultancy in rotating electrical machines
- Design and consultancy in EV Charging stations, Battery Energy Storage Systems

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Thank You!

More Information



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