



Delivering Excellence Since 1994

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# Specialized Engineering services for **Renewable Energy**

Grid Integration | Transient Studies | Power Quality  
Grounding & LPS | Design and Detailed Engineering and more...

Technical Expertise You Can Depend On.

Asia | GCC | Europe | Africa

**340+ Successful Projects**

**29+**

Years of  
Experience

**3000+**

Global  
Customers

**21+**

Countries

**90%**

Customer  
Retention Rate

## Electrical Engineering Services for



Solar PV



Wind



Battery Energy  
Storage System  
(BESS)



Hybrid



Green Hydrogen

## Leveraging the Best Tools

PSS®E

SILENT  
DIG

PSCAD

EMTP-RV  
The reference for power systems simulation

etap  
Thinking Power

SES CDEGS

Ansys

SYME

## Technical Expertise:



Total Strength  
**250+**

Subject Matter Experts: **09**

PhDs: **08**

Post Graduates: **64**

Graduate Engineers: **102**

Others: **70**

## Power System Studies for

- ◇ Grid Code Compliance
- ◇ Equipment Optimization

**38** Projects

## Design & Detailed Engineering for

- ◇ Optimal Solution

**35** Projects

## Grounding + LPS Studies for

- ◇ Enhancing Reliability & Safety

**244** Projects

## Power Quality Studies for

- ◇ Harmonics and Root Cause Analysis

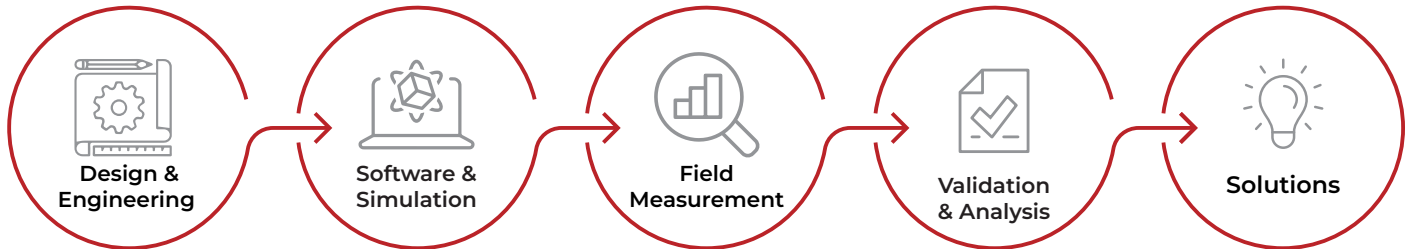
**26** Projects

## Successful Track Record

**5.6 GW Wind Farms Served**

**8.1 GW Solar Farms Served**

**Our unique value proposition of measure-simulate-validate offers a 360-degree perspective and foolproof solution under actual operating conditions.**



#### Advance Testing Equipment



## Integrating Diverse Specializations for Value Delivery

The diverse specializations within our team ensure a multidimensional approach to problem solving, thereby positioning us as a competent and reliable service vendor partner in the electrical engineering space.

#### Greenfield Projects

- Design & Detailed Engineering of Substations
- Power System Studies | Steady State Analysis | Dynamic Analysis | Transient Analysis
- Power Quality, Harmonics Studies and Field Measurements
- Grid Integration & Compliance Studies
- Insulation Co-ordination Studies-Substations
- Grounding & Lightning Protection System Design
- Supply & Installation of Products (Grounding | LPS | SPDs)

#### Brownfield Projects

- Grounding Studies
- Lightning Protection Adequacy Studies
- Power Quality Studies
- Root Cause Analysis
- Electrical Safety Audit

## Key Projects Delivered for Renewable Energy



### Floating Solar

**Built with Innovation and Delivering sustainable solutions:** Uniquely crafted Grounding and Lightning protection system addressing diverse design challenges, including the extremely corrosive salt water, fluctuating high and low tides, shifting water depths, geographical positioning, and saving the flora and fauna.

**FIRST-OF-ITS-KIND GROUNDING SYSTEM FOR LARGEST FLOATING SOLAR PLANT IN INDIA FOR NTPC - KAYAMKULAM**

### 600+ Certified Products for Reliable Lightning Protection & Grounding System

Complete range of type-tested LPS components as per IEC 62561 (62305)

Sequentially type-tested for ageing, (10/350µs) 100kA Lightning Impulse, Mechanical Test

Compound Type-tested as per IEC-62561-7, IS3043-2018, BS-7430 & IEEE 80

**Resistivity <0.12Ωm**

**Tested as per**



Earth Electrodes (UL-Listed)

**Certified By**



**JEF**

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