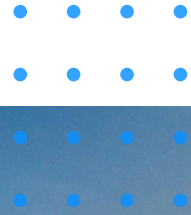




**RABINDRANS**  
**CONSULTANTS**



**Your Technical Advisor**

**New-Energy Consultancy**

Green Hydrogen | Green Ammonia | Solar PV | Wind | Grid Storage

# Lead Consultant's Statement



RabindranS Consultants is a proprietary start-up in the Renewable Energy space.

We provide Technical and Advisory services in the New-Energy Sectors of Solar, Wind, Grid Storage, Green Hydrogen and Green Ammonia.

Our earnest focus is to make an impact in the Renewables sector, contributing to global decarbonisation and sustainability.

As governments ramp up policy support for decarbonisation to meet Paris goals and as manufacturers scale up R&D, the world will be flooded with new technology options for modules, inverters, wind turbines, BESS and other storage, hydrogen, ammonia and other new energy carriers.

In order to meet net-zero carbon targets, Power producers, Energy carriers and Consumers worldwide will have to take tough strategic decisions regarding the timing and scale of adoption of new technologies.

**Each time, the trilemma of  
Energy security, Sustainability and Cost has to be solved  
RabindranS Consultants are in the thick of this action**

## About us



We provide Technical and Advisory services in the New-Energy Sectors of Solar, Wind, Grid Storage, Green Hydrogen and Green Ammonia.

When taking first steps in these fast growing sectors, Organisations often start off with a lean technical team, or one that is staffed with experts from legacy sectors like Oil & Gas and Thermal power. They then depend on Consultancy firms for major strategic and technical deliverables. This approach works fine in specific projects with established technologies and well-defined outcomes.

Whereas in the fast-evolving world of RE, it requires a strong internal design team to sift through nebulous data, judge the technology risk, carry out experiments, innovate and juggle with cost and quality.



**RabindranS Consultants is well suited to fill this gap for lean organisations.**

We work through the available design team, mentoring and building up their capabilities and processes. We work with Management, advising and strategising as required.

**In all of the above we draw upon the rich experience of the Lead Consultant, assisted by other professionals as required.**

***See the brief profile of the Lead Consultant at the end.***

# Our offerings

We provide a comprehensive range of advisory services based on our clients' specific needs using our extensive knowledge in the new-energy domain



IPP / C&I Clients



New Investors in  
RE Space



Equipment  
Manufacturers



Solar PV Plant  
owners



Lenders, Institutions,  
Consulting Firms



Governments,  
Conventional Power IPPs



# RE Projects for IPP / C&I Clients

We provide a comprehensive range of services



## DEALING WITH LENDERS

Deep engagement with LTA/LIE (Lender's Engineer) for complex projects and new technologies



## MANAGEMENT ADVISORY

Your CTO on tap



## COMPLIANCE ADVICE

Regulatory matters and Grid Connectivity



## REPORTS

PFRs and Risk analysis

## PROJECT DEVELOPMENT

Solar PV, Grid storage, Green Hydrogen, Green Ammonia - basic design, modelling, sizing, optimisation and costing



## TECHNICAL BID SUPPORT

Complex tenders like Round-the-clock, Peak Power, ESS, Flexible power, Solar Park



## TECHNOLOGY SELECTION & VENDOR ASSESSMENT

Inverter/PCS, Battery, Energy Storage System, Tracker, Robot, Electrolyser, Rectifier



# New Investors in RE Space

We support new investors in technical decision making



## LENDER ENGAGEMENT

Ensuring the buy-in of LTA/LIE (Lender's Engineer). Handling all submissions, presentations, query replies



## MANAGEMENT ADVISORY

Project feasibility of Solar PV, Wind and ESS through basic design, sizing and costing



## MANAGEMENT ADVISORY

on Regulatory matters and Techno Commercial environment in India



## REPORTS

PFRs and Risk analysis

## PROSPECTIVE ACQUISITIONS

Evaluation of operational plants - Assessment of state-of-health, performance and viability



## TECHNICAL BID SUPPORT

End-to-end support in techno commercial Bid preparation



## TECHNOLOGY SELECTION

Battery, Energy Storage System, Solar PV, Electrolyser



# Equipment Manufacturers

Our services to manufacturers of Inverter, Robot, ESS, Battery, Electrolyser and Tracker are based on deep and relevant industry experience



## CLIENT NETWORKING

Networking with potential clients, opening doors, creating possibilities

## CLOSING DEALS

Sales support through deep technical authority and experience in the industry



## PRODUCT IMPROVEMENT

Driving improvements in product design through FMEA, performance feedback and through prediction of industry trends and client requirements

## CLIENT MANAGEMENT

Client engagement and confidence building during failure events through 8D problem solving and implementation of corrective and preventive measures



# Operational Solar PV Plants

We specialise in trouble-shooting operational plants and in implementing solutions with tangible results



## YIELD IMPROVEMENT

Yield analysis of operational Solar PV plant, with solutions for low performance evidenced by measurable results

## FAILURE ANALYSIS

Investigation of generic failures. Occurrence analysis involving inverters, transformers, modules etc., with corrective and preventive measures



## SAFETY AUDIT

Safety audit suggesting detailed and practical corrective actions

## TECHNICAL AUDIT

Technical audit of O&M to plug gaps in maintenance and operational practices and to ensure trouble-free operation for the lifetime of the plant



# Lenders, Consulting Firms, other Institutions

We have a bouquet of offerings for financial and other institutions evaluating RE projects and programmes



## **TECHNICAL EVALUATION**

Project proposals, PFRs  
and DPRs



## **MANAGEMENT ADVISORY**

New technologies of  
Green ammonia,  
Hydrogen electrolyser,  
Solar PV, Battery, Other  
Energy storage systems



## **PV PLANT PERFORMANCE**

Performance  
assessment of  
Operational plants in  
lender's portfolio



## **PROJECT EXECUTION**

Project oversight  
during construction  
and commissioning



## **PROSPECTIVE ACQUISITIONS**

Condition assessment  
and performance analysis  
of operational plants



## **ASSESSMENT OF COMPLEX PROPOSALS**

Hybrid power, RTC and  
Peak power, Green  
Hydrogen and Green  
Ammonia



## **RISK MANAGEMENT**

Technical FMEA and Risk  
analysis

# Other Services

We are happy to provide all kinds of other technical support in Renewable Energy



## IPPS IN CONVENTIONAL POWER SECTOR

Management advisory on strategic transition to RE

## IPPS IN CONVENTIONAL POWER SECTOR

Advisory on utilising existing resources to build up a RE portfolio of Solar PV, Wind power and Hydrogen plant.  
*- basic design, modelling, sizing, optimisation and costing*



## TRAINING

Lectures and Training programmes in RE space

## NATIONAL INITIATIVES

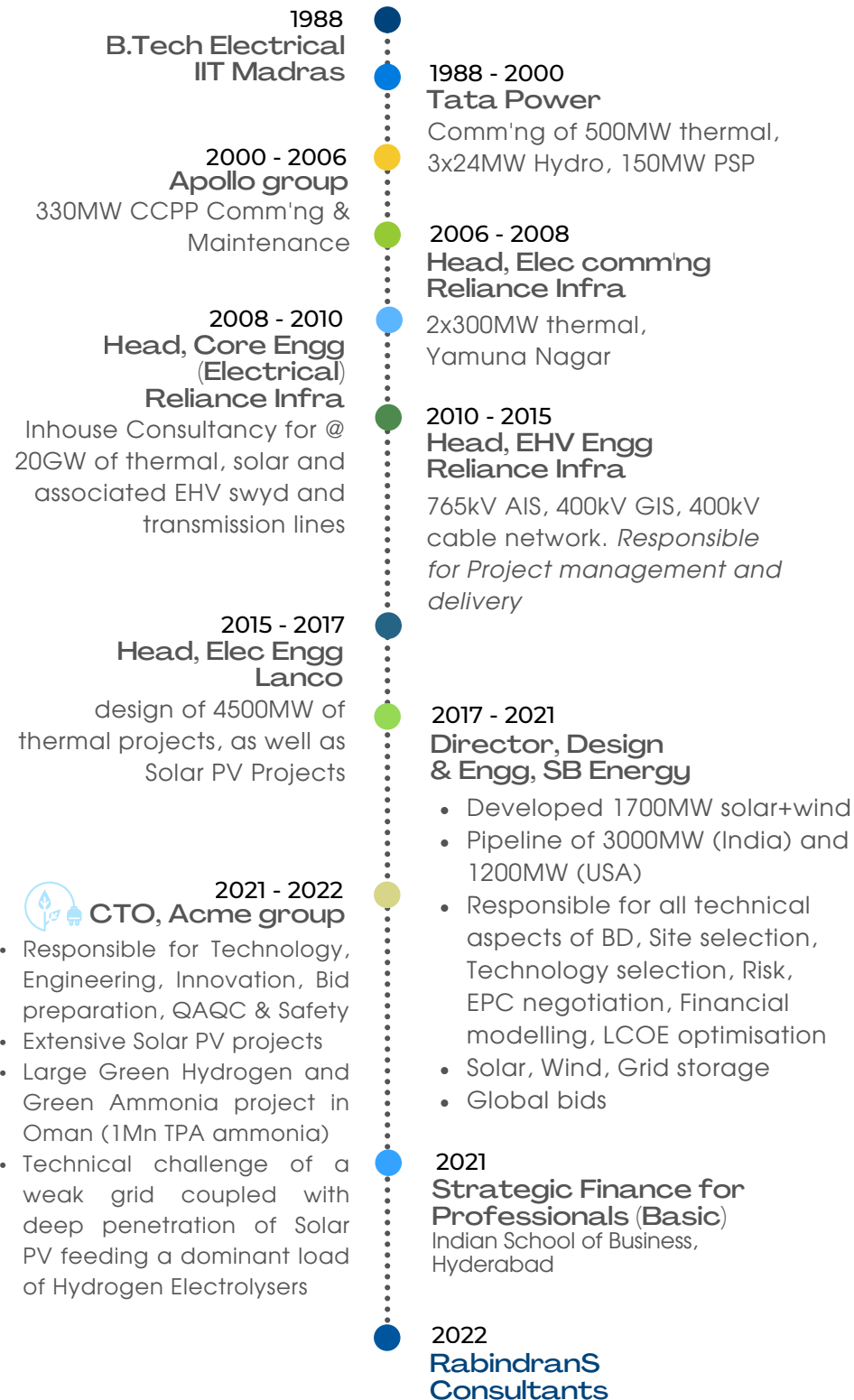
Support to Govt. sponsored committees in the formulation of strategy and regulations for RE



# Rabindran Sundersingh

## Lead Consultant Profile

Over 35 years in Development, Design, Engineering, Bidding, Commissioning and Maintenance of Grid storage (BESS and PSP), Solar, Wind, Hybrid, Thermal, Hydro Power plants, EHV systems, Hydrogen plants and Ammonia plants. He has led the Engineering / Projects / EPC / Operational functions of large organisations.

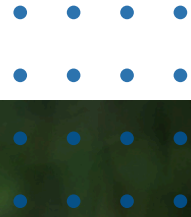


He is deeply committed to decarbonisation, climate goals and sustainability through the extensive use of renewable power, grid storage, hydrogen and ammonia



“The Large scale integration of Solar PV, Hydrogen and Ammonia had no real precedents and threw up several interesting challenges which required innovative design and close working with equipment manufacturers and academia to anticipate and solve problems”


# Contact Us




**We aim to be your  
technical advisor**

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