

# Renpro Energy Engineering, Contracting and Consulting Services

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# ABOUT US

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- RENPRO is an engineering, contracting and R&D company that continues to work in energy and electricity.
- Since 2014, especially in the field of photovoltaic solar energy, RENPRO's main services are:
  - ❖ SPP Project designing, installation, operation, maintenance
  - ❖ SCADA and automation
  - ❖ Power transmission line project designing and installation
  - ❖ Electrical panel box project designing and manufacturing
- Within the scope of R & D studies, a domestic solar inverter with 2 kW power and a dual axis solar tracking system have been developed.
- The total capacity of RENPRO projects with different services is 150 MW by 2017. 104 MW of these projects were established on site by RENPRO.

# FIELD OF ACTIVITY

The activities of RENPRO are as follows:

- **Solar Power Plants**
  - Project Designing
  - Installation (Electrical + Mechanical)
  - SCADA and Automation
  - Operation and Maintenance
- **Power Transmission Lines**
  - Project Designing
  - Installation
- **Electrical Panel Boxes**
  - Project Designing
  - Manufacturing



# FIELD OF ACTIVITIES:

## Solar Power Plants

Turn-key RENPRO services in installation and commissioning of solar power plants:

- Engineering:
  - Project designing
  - Selection of materials and equipments
- Mechanical Installation
  - Steel and aluminium parts installation
  - Photovoltaic panel installation
  - Wire fence and lightning installation
- Electrical Installation
  - DC cabling
  - AC LV / MV cabling
  - Transformer and distribution center installation
  - SCADA installation
- Commissioning
  - Measurement, testing and commissioning
  - Preparation of admission documents
- Operation and Maintenance
  - Protective and preventive maintenance
  - Fault intervention
  - Production and billing follow up
  - Reporting

**TOTAL COMPLETION  
119 MW**



# FIELD OF ACTIVITIES:

## Distribution Scada Systems

RENPRO services for distribution SCADA systems that required to be included in SPP for Energy Distribution Companies:

- Determination of SCADA system requirements
- Procurement and selection of the materials such as PLC, RTU, PC, etc.
- Procurement and selection of Power Quality Monitor (LCC) device
- SCADA system project designing
- Composing of PLC, RTU, relay software
- Manufacturing of SCADA system boxes
- On site installation and commissioning

**TOTAL COMPLETION  
80+ SPP SCADA**



# FIELD OF ACTIVITIES:

## Power Transmission Lines

RENPRO services at Power Transmission Line:

- Engineering
  - Project Designing
  - Selection of material and equipment.
- Installation
  - Electrical + Mechanical Installation
  - Machine services
- Commissioning
  - Measurement, testing and commissioning
  - Preperation of admission documents
  - Accompanying to admission committee

**TOTAL COMPLETION**  
**20+ km**



# FIELD OF ACTIVITIES:

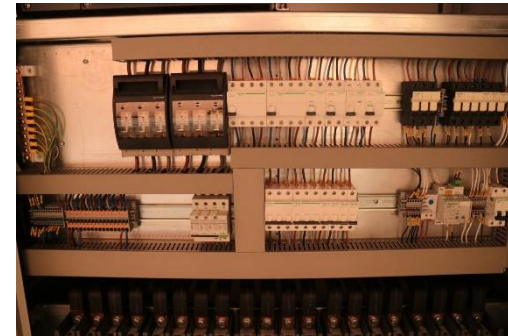
## Electrical Panel Boxes

RENPRO services for all types off electrical panel box

- Panel box project designing
- Selection and procurement of materials
- Manufacturing of panel boxes

### TOTAL COMPLETION

- **20+ Compensation Boxes**
- **20+ PLC Boxes**
- **60+ SPP LV Boxes**
- **80+ SPP SCADA Boxes**
- **100+ Construction Boxes**
- **500+ MV Cell Control Boxes**



# FIELD OF ACTIVITIES:

## R & D

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RENPRO's engineering activities include technology development and innovation. In this framework, the RENPRO developed an inverter using domestic engineering completely within the scope of Ministry of Science, Industry and Technologies' technology and innovation support.

Designed for home use, the 2kW single phase inverter has features like yearly data logging and online data logging. Moreover, it has a fanless cooling. The detailed features of the inverter are as follows:

### RENPRO inverter features:

- 2 kW AC Output Power
- Single phase 220V AC Connection
- Single Channel MPPT DC Input
- Yearly data logging and online monitoring
- Fanless cooling
- 2 year warranty
- Supplying of all kinds of software and documentation support





### **Renpro Energy Engineering R & D**

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