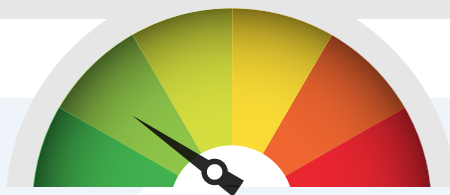# SOLAR PV PLANT FOR COMMERCIAL & INDUSTRIAL APPLICATION

Engineering/Design & Installation

- **Guaranteed Least Cost** of Solar System
- **Direct Procurement** from manufacturers of all major Components with **Zero-Margin**
- Engineered by the **most experienced team** in Pakistan.
- **Testing** and **Commissioning**
- Operations and Maintenance **Training**
- Energy consumption monitoring with **data-driven insights** based on Artificial Intelligence/Machine Learning.
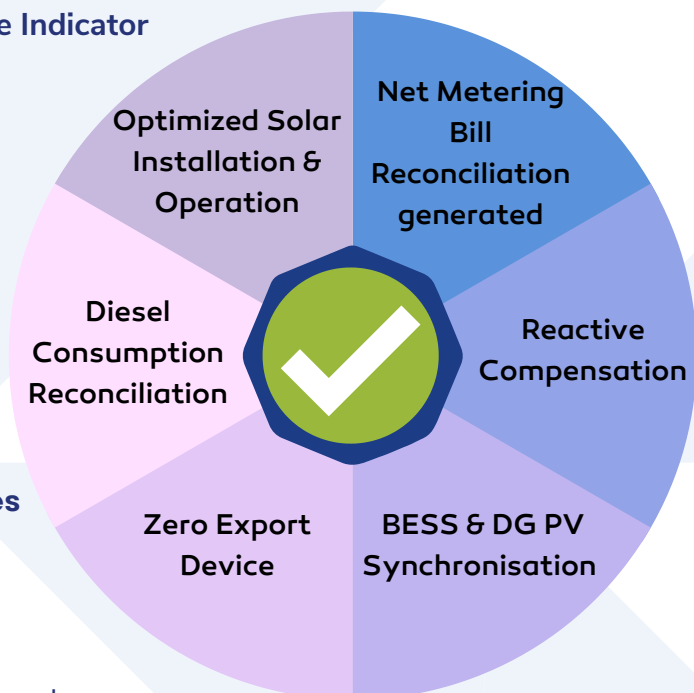- Diesel Pouring **Reconciliation**

Solar PV Performance Indicator

Solar Operations & Maintenance

SB Electronics Engineering and Control (Pvt) Ltd. (SBEEC) is a reputable name in the market for **energy management solutions**. SBEEC is a premium energy services company was established in **1996** as an **energy services business.**

We offer solutions based on **cutting-edge technologies** involving Artificial Intelligence, Machine Learning, and Data Analytics are driven by decades of experience in the energy market with a presence across Pakistan. SBEEC currently provides a wide range of **energy solutions**, including the design and implementation of energy-saving projects, energy management, energy infrastructure outsourcing, energy supply, and risk management.

Optimized Solar Installation & Operation

Net Metering Bill Reconciliation generated

Diesel Consumption Reconciliation

Reactive Compensation

Zero Export Device

BESS & DG PV Synchronisation

SB Electronics Engineering & Control (Pvt) Ltd. (SBEEC)

Contact us!

www.entrack-sb.com

info@entrack-sb.com

042-371 33 181
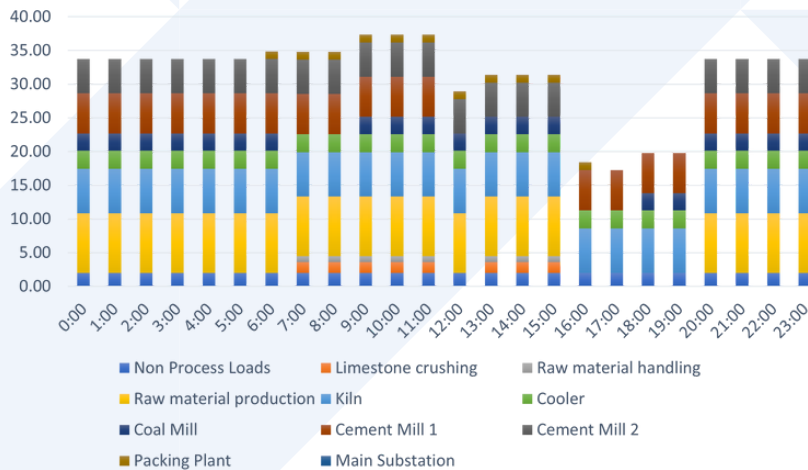
www.linkedin.com/company/sbeecpvtltd

AC Primary Load Modeling

The MG development starts with first modeling your **AC load** both active and reactive requirements while making considerations for both the steady-state energy requirements and the transient behavior of the load. An Energy system should be first designed for **optimizing** its steady **State operation** and then the transient considerations including protection and control integrated to ensure system Stability, Safety, and a sustainable and resilient operation.
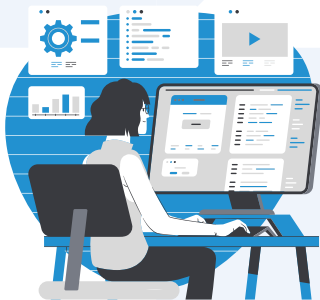
Benefit
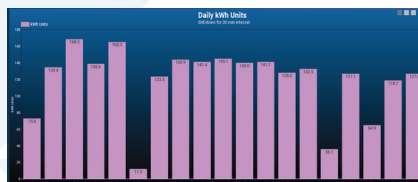Cost-effective operation with system stability and safety ensured.

Legend:
- Non Process Loads
- Limestone crushing
- Raw material handling
- Raw material production
- Kiln
- Cooler
- Coal Mill
- Cement Mill 1
- Cement Mill 2
- Packing Plant
- Main Substation

AC PRIMARY LOAD

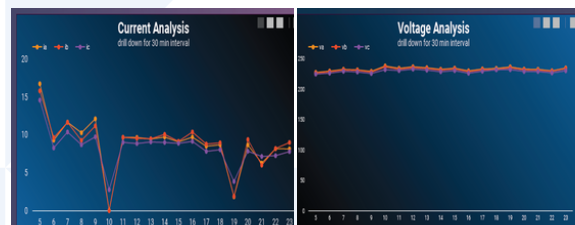|		
Annual Units	249.081	GWH/YR
Daily Units	682	MWH/DAY
Peak Value	37.308	MW
Working Days	330	DAYS
Standby Load	2	MW

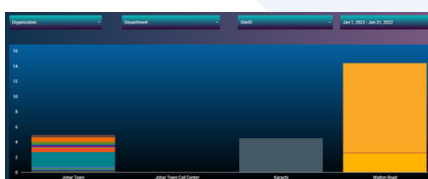# Artificial Intelligence / Machine Learning based Monitoring

- ◆ Energy consumption monitoring with data-driven insights based on AI/ML.
- ◆ Smart Meter Supply, Installation, Automated Readings, Maintenance, & Testing

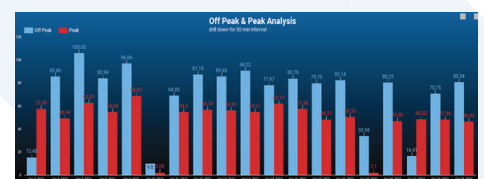**Peak & Off Peak Energy Consumption**

Current & Voltage Analysis of Previous Day

Outage Report

Electricity Consumption in Days

Daily/hourly Energy Consumption

Contact us!

🌐 www.entrack-sb.com
✉ info@entrack-sb.com

📞 042-371 33 181
in https://www.linkedin.com/company/sbeecpvtltd