Our Offerings

Net Zero Energy Analytics Services

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- **Our Net Zero Energy Analytics Service** is a specialized service designed to help organizations, businesses, and individuals track, manage, and optimize their energy consumption to achieve **net zero energy** status.

- **Net zero energy** refers to the state where the amount of energy consumed by a building or organization is equal to or less than the amount of energy it produces, typically through renewable sources.

- This can be a critical part of sustainability efforts to reduce carbon footprints and support environmental goals of the organization.

Key Features of Our Net Zero Energy Analytics Services

1. **Energy Consumption Monitoring**:

- Provides real-time tracking of energy usage across various systems and devices.

- Offers insights into high-consumption areas that could be optimized.

2. **Renewable Energy Generation Analysis**:

- Tracks energy generated from renewable sources such as solar, wind, or geothermal.

- Helps ensure that energy production is being maximized based on available resources.

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Key Features of Our Net Zero Energy Analytics Services

3. Energy Balance Calculation:

- Provides a calculation of the energy balance, comparing total energy used versus energy produced.

- Tracks progress toward achieving net zero energy over time.

4. Energy Efficiency Recommendations:

- Suggests improvements to enhance energy efficiency, such as upgrading equipment, enhancing insulation, or changing operational behaviors.

Key Features of Our Net Zero Energy Analytics Services

5.   Carbon Footprint Reduction:

- Calculates the carbon emissions saved or reduced by adopting energy-saving technologies and renewable sources.

- Generates reports on how close the organization is to achieving its sustainability targets.

6.   Predictive Analytics:

- Uses historical data to predict energy usage patterns, identifying periods of high demand or opportunities for savings.

- Helps in planning for future energy needs, ensuring efficient use and sufficient renewable energy generation.

Key Features of Our Net Zero Energy Analytics Services

7.   Visualization Tools and Dashboards:

- Presents data through intuitive dashboards that allow users to easily track and interpret energy performance.

- Offers scenario modeling tools to compare energy consumption under different conditions or strategies.
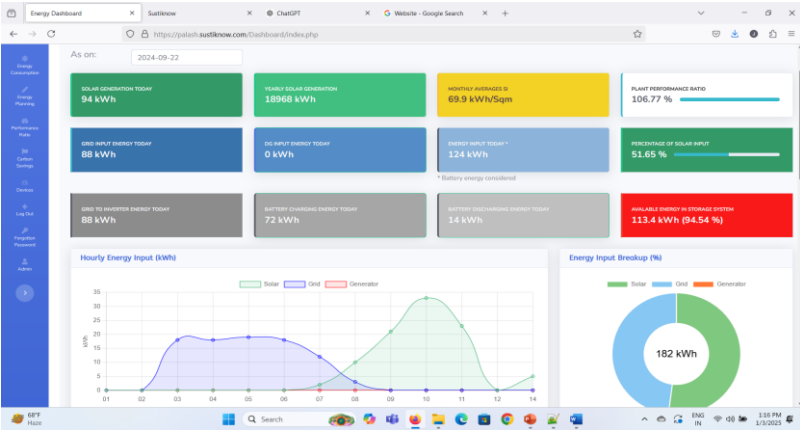
8.   Cost Analysis:

- Analyzes the financial aspect of energy consumption, identifying areas where energy costs could be reduced or where investments in renewables or efficiency upgrades will pay off.

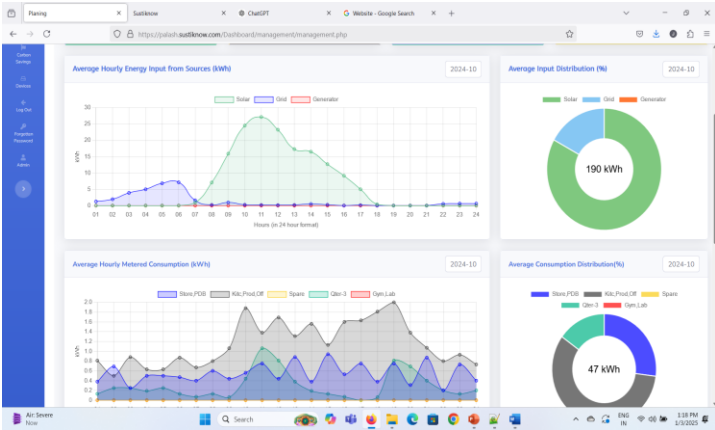# Benefits of Net Zero Energy Analytics Services

- **Cost Savings**: By reducing energy consumption and increasing the efficiency of operations, businesses can lower utility bills over time.
- **Reduction of Environmental Impact**: Helps businesses reduce their carbon footprint and supports the global shift toward more sustainable practices.
- **Regulatory Advantage**: Assists in meeting green building certifications, regulatory requirements, or voluntary climate commitments.
- **Informed Decision-Making**: Provides data and insights for informed energy management decisions, leading to optimized energy performance.
- **Resilience & Sustainability**: Enhances energy security by reducing reliance on external energy sources and promoting the use of renewable energy.
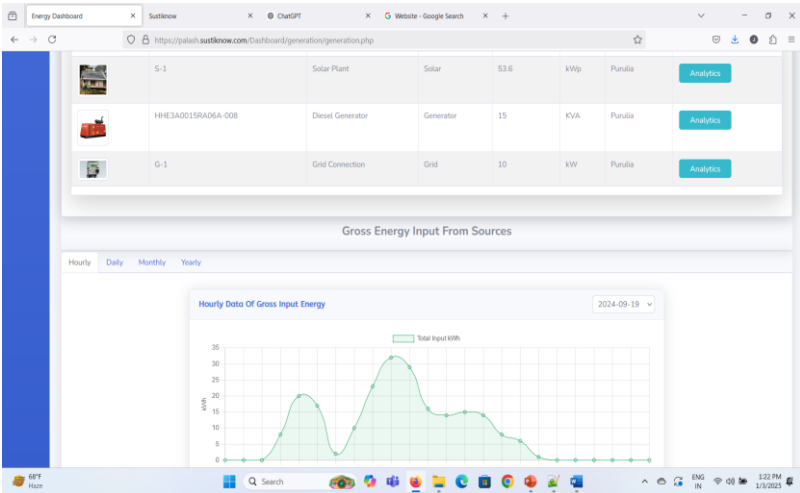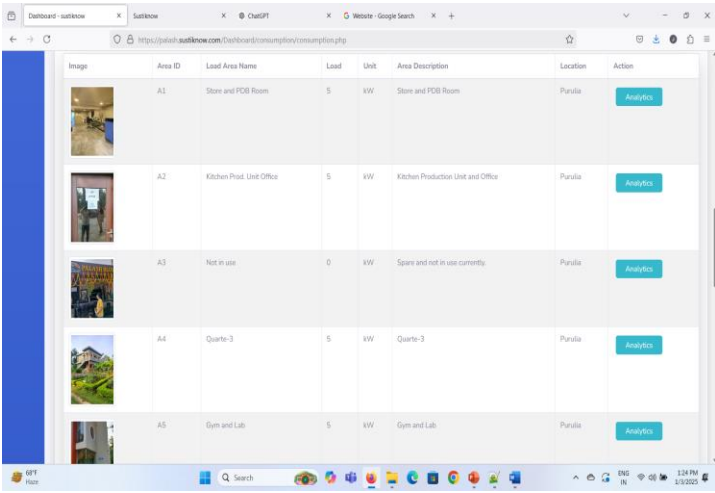
Our Net Zero Energy Analytics System

https://palash.sustiknow.com/

Dashboard

Planning

Generation

Consumption

Net Zero Energy Analytics System Features

- **Dashboard at a glance**: One can see the Realtime summarized dashboard as well as historical summarized dashboard at any date.
- **Energy generation portfolio:** One can see the Realtime energy input/generation to the system as well as historical data for any date that could be download in pdf format.
- **Energy consumption portfolio:** One can see the Realtime energy consumption by the system as well as historical data for any date that could be download in pdf format.
- **Energy Planning**: One can see the average energy consumption by the system as well as average energy input in the system monthly and yearly basis. This data helps optimization of energy usage and cost savings as well as progress to wards net zero energy obligation.
- **Performance Ratio & Carbon Savings**: One can monitor and download Plant performance Ratio & Carbon Savings for any date, month and year.
- **Device Data:** Data of all the attached devices, could be monitored, analyzed and download from this system in order to monitor the performance of individual device.
- **Unlimited Devices:** Could be attached, managed and monitor unlimited number of input and output devices in the system.

Leadership Team

Rabin Roy
CEO and Founder
B.Tech, and MBA (IIT KGP)
Experience: More than 20 years

Debashish Mukhopadhyay
Director
B.E (Electrical) – JU
Experience: About 50 years

Anjan Ghosh
Director
B.Tech (IIT KGP), MBA (XLRI)
Experience : About 40 years

Avijit Jana
Director
B.E (JU), M.Tech (ISI), MBA (IIT KGP)
Experience: More than 25 years

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