InteGreen PWT-102

Renewable Energy Trading System

By digitalizing trading processes and user services, the system enhances operational efficiency and management quality. Its built-in Renewable Energy Advisor simulates RE performance, power supply, and surplus power to deliver optimal configurations and financial insights, maximizing returns and minimizing energy waste. Integrated AI and visualization tools help electricity retailers plan renewable strategies, streamline administration, and strengthen contract and inventory management, driving smarter, more sustainable operations.

3 Key Features

Contract Management

Digitalized Agreements · Simplified Fulfillment

Offers digital contract management that integrates key trading data and execution workflows, enabling efficient collaboration between retailers and users while reducing risks. Supports CPPA, T-REC agreements, and TPC (Taiwan Power Company) wheeling applications to streamline operations, enhance management efficiency, and help users achieve sustainability goals.

Integrated Renewable Resources · Enhanced Performance

Integrates billing, user, and power plant data to boost operational and management efficiency for retailers. With automated billing recognition, invoicing, and wheeling record tracking, retailers can monitor user consumption and wheeling status in real time, improving accuracy and efficiency. The power plant management visualizes generation data, renewable energy inventory, and delivery capability, helping retailers plan renewable procurement, track fulfillment, and assess risks more effectively.

Smart Management

Renewable Energy Advisory

Full Visibility · Smarter Decisions

A smart analysis tool designed for retailers to quickly simulate diverse renewable procurement scenarios by configuring power plants, energy types, consumption data, and purchase plans. The system generates optimal renewable energy allocation suggestions, RE achievement roadmaps, and comprehensive analytical reports, helping retailers clearly communicate the benefits of wheeling and the roadmap for renewable-strategy planning to corporate clients.

AI Renewable Energy Management

Power Generation Forecasting

Uses AI to analyze historical data and accurately predict energy demand, helping users make smarter energy decisions.

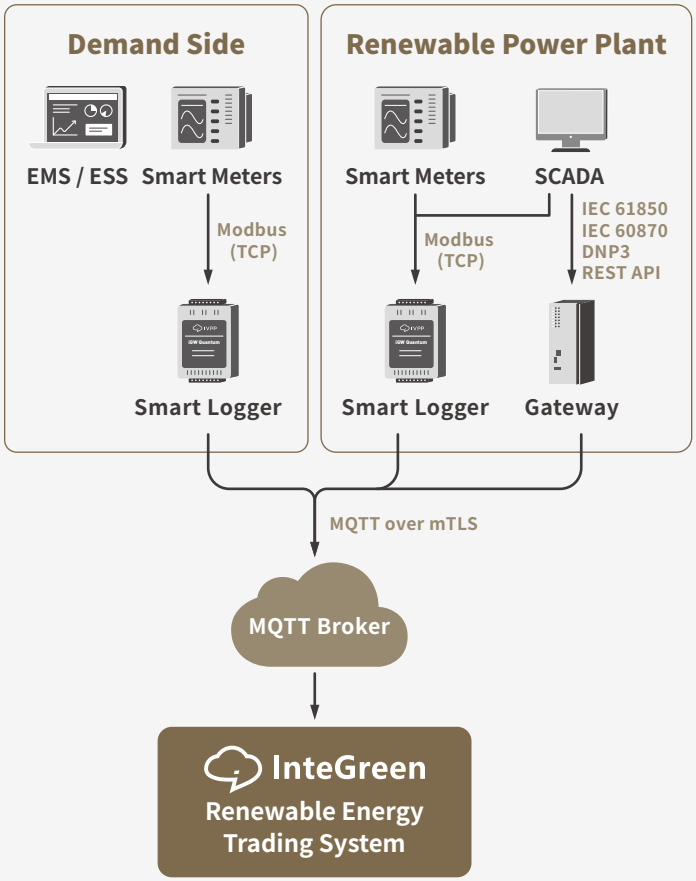
AI-Driven Precision Matching

Builds generation and consumption models to optimize pairing, minimize surplus power, and support sustainable development.

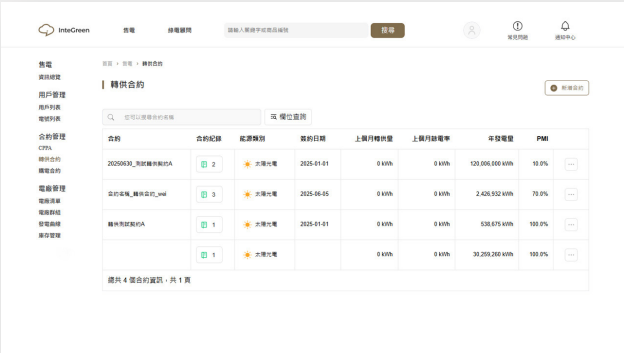
User Load Forecasting

Analyzes user consumption patterns with AI to provide optimized renewable procurement advice and energy-use strategies.

System Architecture



System Interface



Success Cases

- Chemical Industry
- Textile Industry
- Electronic Industry
- Metal Industry
- Financial Industry

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