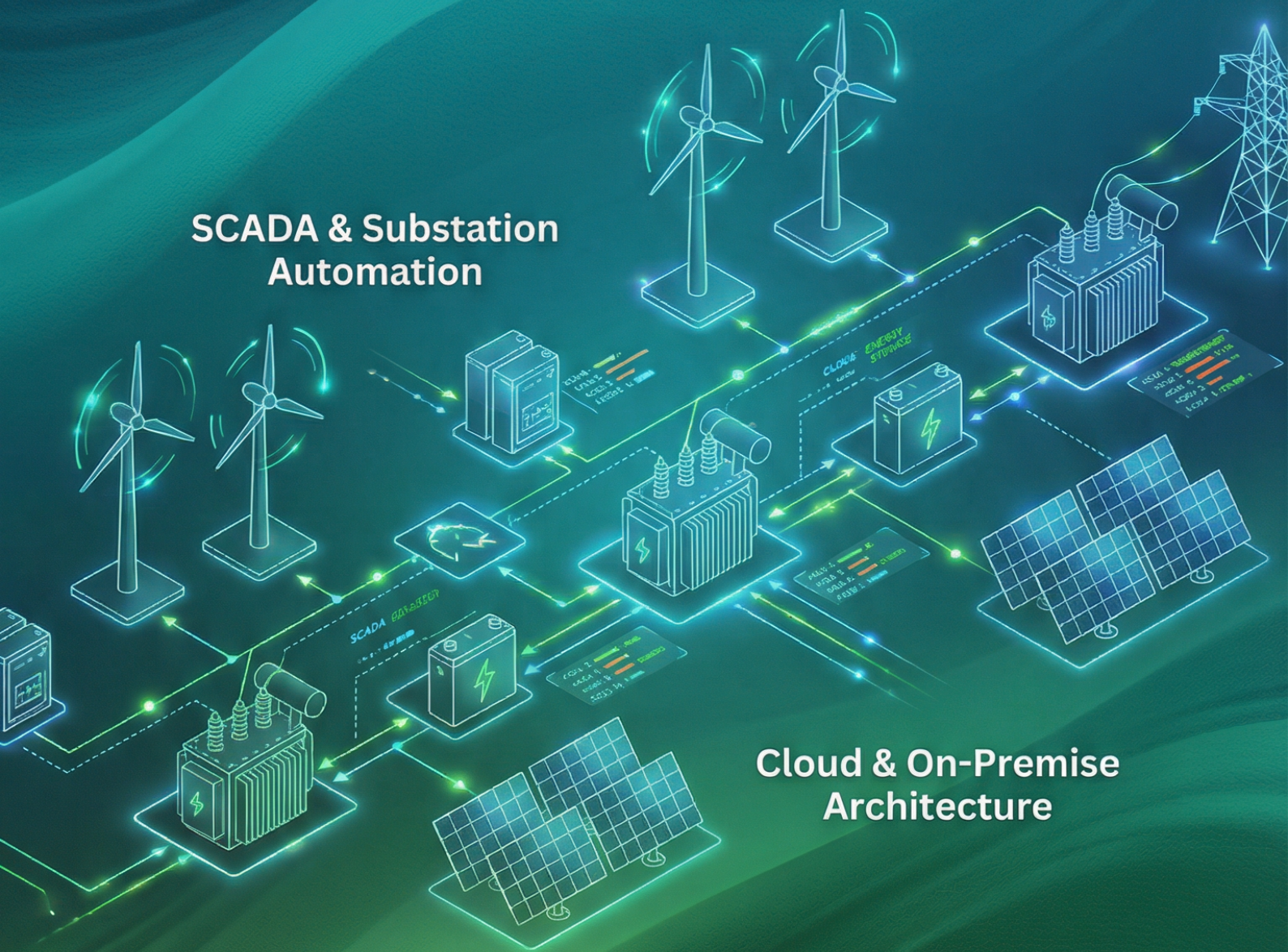


# OpSys REMS

## Renewable Energy Management System

SCADA & Substation  
Automation

Cloud & On-Premise  
Architecture



# The Future of Renewable Energy Management

OpSys REMS is a new-age, enterprise-level platform designed to provide comprehensive monitoring, control, and automation for renewable energy assets. From individual solar farms to large-scale wind and battery storage portfolios, our Renewable Energy Management System (REMS) offers a unified solution for maximizing performance, ensuring reliability, and optimizing operational efficiency. With a flexible architecture supporting both **Cloud** and **On-Premise** deployments, OpSys REMS is built to meet the evolving demands of the modern energy landscape.

## Key Platform Benefits

- **Unified Visibility:** Gain a single source of truth with a holistic view of all your renewable assets, substations, and grid interconnection points in real-time.
- **Enhanced Operational Efficiency:** Automate routine tasks, streamline workflows, and empower your operators with intuitive tools to reduce operational costs and improve productivity.
- **Maximized Asset Performance:** Leverage advanced analytics, AI-driven insights, and predictive maintenance to maximize energy production and extend asset lifespan.
- **Improved Reliability & Resilience:** Proactively identify and resolve issues, ensure grid stability, and maintain a reliable power supply with our robust SCADA and Substation Automation capabilities.
- **Scalable & Flexible Architecture:** Whether you prefer the security of an on-premise solution or the scalability of the cloud, OpSys REMS adapts to your unique infrastructure and business needs.

## Cloud vs. On-Premise: The Choice is Yours

Architecture	Description
Cloud-Based	A fully-managed, scalable, and secure cloud solution that minimizes IT overhead and provides access from anywhere, at any time. Ideal for organizations seeking rapid deployment and seamless scalability.
On-Premise	A self-hosted solution that provides maximum control over your data and infrastructure. Ideal for organizations with strict security requirements or existing data center investments.

# SCADA & Substation Automation

## Advanced Renewable SCADA

Our state-of-the-art SCADA system provides unparalleled visibility and control over your renewable energy assets. The intuitive, modern interface offers at-a-glance insights into your entire portfolio, from high-level KPIs to granular device-level data.

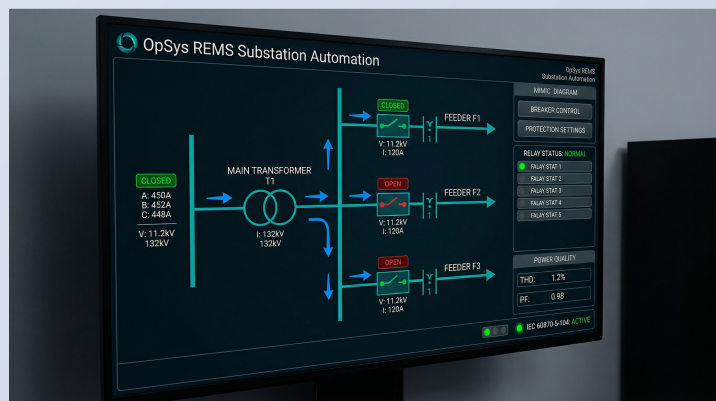


## SCADA Features

- **Real-time Monitoring & Control:** Supervise and control your assets with a dynamic, high-performance HMI.
- **Hierarchical Asset Management:** Navigate your entire asset portfolio with an intuitive, expandable asset tree.
- **Advanced Alarm Management:** Sophisticated alarm processing, filtering, and reporting to ensure critical events are never missed.
- **Historical Data & Trending:** Log and analyze historical data to identify trends, troubleshoot issues, and optimize performance.
- **Multi-Protocol Support:** Native support for industry-standard protocols including IEC 60870-5-104, DNP3, Modbus, and more.

## Intelligent Substation Automation

OpSys REMS extends beyond asset monitoring to provide a complete Substation Automation System (SAS). Our SAS ensures the safe, reliable, and efficient operation of your substations, facilitating seamless integration between your renewable assets and the grid.



## Substation Automation Features

- **Breaker & Switchgear Control:** Remotely operate breakers, switches, and other substation equipment with secure, interlocking controls.
- **Protection Relay Integration:** Monitor and manage protection relays to ensure the safety and stability of your electrical network.
- **Power Quality Monitoring:** Track key power quality metrics such as THD, power factor, and voltage stability.
- **Automated FDIR:** Minimize downtime with automated sequences to detect, isolate, and restore power after a fault.

# Get Started with OpSys REMS



[www.opsys.co](http://www.opsys.co)



[sales@opsys.co](mailto:sales@opsys.co)



+971 56 115 5112



**SCADA**



**Substation  
Automation**



**Cloud  
Architecture**



**On-Premise**

**Advanced SCADA & Substation  
Automation for Renewable Energy**