# Unity CMS

# Flexible, End-to-End Monitoring, Control, and Optimization

From the edge to the cloud. From planning to decommissioning. The Unity CMS system from Power Factors is your turnkey monitoring, control, and asset management solution.



## WHY UNITY CMS?

- Modular, scalable, highly available, and extensible open architecture
- Maximum interoperability connects with any technology in place
- Single source of truth and single portfolio view consolidates trusted data from multiple sites, vendors, and asset types
- OEM-agnostic
- NERC-compliant accessibility

The Unity CMS system from Power Factors empowers you with the trusted data, real-time monitoring, and mission-critical control you need to detect and resolve issues faster — the first time.

Whether you're dealing with grid compliance requirements, hybrid plants, supply chain disruptions, or lack of standardization, the Unity CMS system can help.

How? Unity CMS monitors and controls the actual performance and environmental conditions across your distributed assets in real time. By detecting operational failures or underperformance and calculating yield deficiencies, Unity CMS gives asset owners and operators the tools they need to investigate, analyze, and rectify the root causes of underperformance quickly.



One unified solution for all your energy assets ≝ Real-time ± data

Single asset and portfolio views



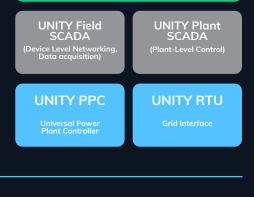
Local & Centralized control Efficient Grid Integration



Empowering the People Who Power the World



Secure & Resilient Communications, Cybersecurity



٥Ū

#### PPC

#### **RELIABLE CONTROL**

Effective grid integration is an absolute necessity for all renewable energy sources. We offer solutions customized to each grid and control need worldwide.

# SCADA

#### **ACCURATE & INTUITIVE**

Real Time Performance Monitoring, Accurate Fault Recognition and User-driven Control. Enhanced performance and reduced OPEX with our next generation SCADA.

### CMS **SECURE & POWERFUL**

The whole portfolio of your assets under a unified cloud based platform. Advanced KPIs, Analytics and centralized control optimize your assets and unlock new revenue streams.

#### REDUCE OPEX AND INCREASE ASSET AVAILABILITY WITH A POWERFUL, **INTELLIGENT PLATFORM**

#### SMART MONITORING

- Data acquisition according to the IEC 61724 standard ٠
- Retrofits
- Buffering
- Alerts
- Data export and reporting

#### **REAL-TIME CONTROL**

- Local and central controls and SCADA
- Dynamic control
- Grid integration
- Third-party SCADA (optional)

# HIGH ACCURACY, RELIABILITY AND EASE OF USE

പ്പ് പ്പ Turn-key solution for RES and BESS management

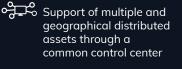


deð

Support of multiple and geographically distributed cloud instances



Monitoring and recording of necessary data for the automatic creation of a variety of reports



(سا) Real time monitoring using data streaming techniques applied down to one second intervals

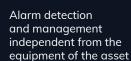
£Č}\$Č} **Overall Plant Power** Control and grid integration





appropriate credentials

Energy production forecast



 $\Box$ Immediate informing of any problem or failure to minimize the equipment downtime. SMS/email notifications for critical alarms



Easy Integration with 3rd party Platform













POWERFACTORS