

RIVR[®] SCADA & EMS Systems

EXPERIENCE
MATTERS

R**VR**

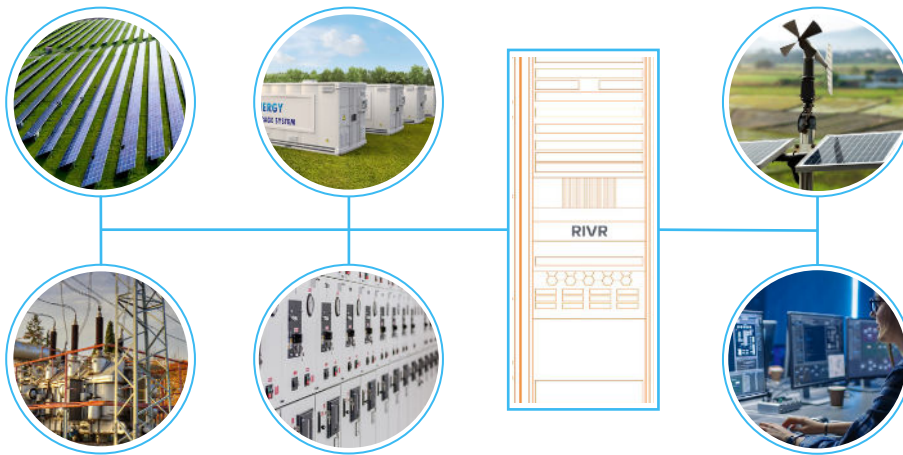
Multiple Types of Assets and Systems need Integrated Solutions to Perform Efficiently

Renewable asset portfolios range from simple to complex. **RIVR®** simplifies operation and monitoring of your assets in a single platform regardless of the number of manufacturers, or the types of automation technologies provided by vendors.

RIVR® easily solves this integration hurdle and provides robust data access to improve effective and timely decision-making.

Utilizing **RIVR® SCADA** can provide a unified view for operations to improve efficiency and manage overall costs.

RIVR® SCADA



RIVR® SCADA & EMS Systems:

Seamless and Intuitive View of Renewable Operations

- Owner Approved, Industry Compliant
- Open Architecture, Vendor Agnostic
- Turnkey Power Plant Control System

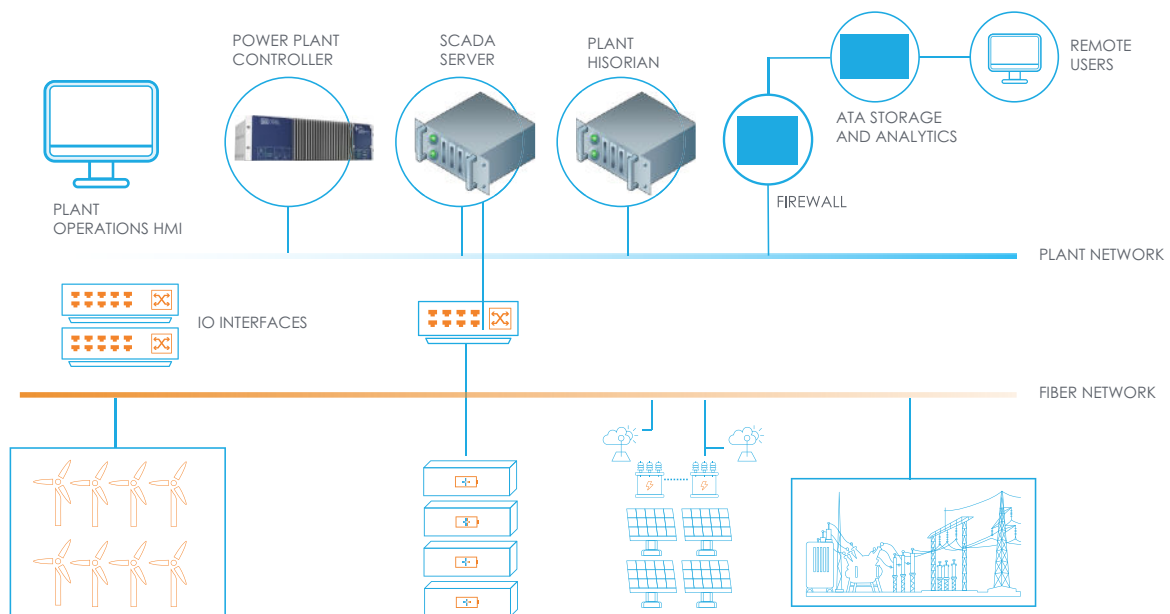
Maximize Production - Reduce Costs – Increase Revenue

Benefits and Features:

Driving Success Through a Consolidated Operations View

Manage all Types of Assets **from a Single Platform that Provides:**

- A clear, intuitive view into fleet operations with access to all system data that supports single or multiple sites and a variety of manufacturers
- Ability to self-maintain control strategies with high quality data acquisition and third party integration



Reliable Support and **Service from Trusted Experts**

- Comprehensive support before, during, and after your projects go into production
- Network of field and product engineers readily available
- Educational Services and Training including site-specific detailed Operating and Maintenance Procedures

The Platform:

- The **RIVR® SCADA** and **EMS** platform is designed to meet the most challenging Grid Code and use cases for all your Wind, Solar, Storage and **PV + Storage**. The **RIVR®** platform is open architecture and hardware independent, allowing you to tailor the system to your preferences.

EMS and Storage Systems:

The **RIVR® SCADA** team has an extensive, proven track record of success in implementing complex solutions.

Revolutionize your facility's performance with our **SCADA** solution, designed for flawless integration with battery storage systems. Experience the perfect blend of advanced automation and energy management, empowering your business to thrive in a dynamic and sustainable landscape. The system seamlessly integrates with wind, solar, and storage systems to support the grid with:

- Ancillary services to the market
- Planning for generation needs
- Seamless energy shifting

Scalable, Sustainable & Flexible:

The **RRC system** is built on the **SEL RTAC** and Inductive Automation Ignition™ which provides the end user the ability to modify the configuration of the **PPC. RRC's MESA** architecture for **BESS** and high-performance **PV** control can increase revenue. **SEL's** renowned reliability ensures lower operational cost for the lifetime of the project.

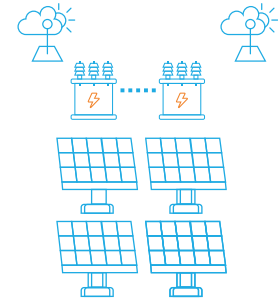
Cyber Security:

The **RIVR®** system cyber security is built from the ground up and can easily meet all current and future **NERC CIP** requirements.

SCADA Solutions:

Solar – Wind – Battery Storage – BOP – Hybrid

- Site Communication Network Design
- System Controller & HMI Design
- **SCADA** Communication Enclosure Design and Supply
- **MET** Stations Design and Supply
- Coordination between **WTG PPC** and Substation **RTU**
- **BESS** to New or Existing Renewable Projects



Operator Interface

Optimized HMIs using **ANSI/ISA 101 Standards that Include::**

- **HMI** Interface designed from the feedback of experienced site operators to optimize the **HMI** design
- Color schemes and menu systems emphasizing the fewest number of clicks to manage your asset
- Intuitive and scalable solutions that streamline operations
- Trends, Event Logs, and Historical Data

Smart Alarming Including Ad Hoc **Alarm Configuration**

- Hierarchy alarm configuration to avoid overwhelming alerts and alarm floods
- Configurable alarm notifications
- Seamless integration of alarm data from multiple systems

Control Modes and Grid Control Capabilities

- Integrated Management of all Active & Reactive Power modes in a variety of customizable configurations
- **PPC** Grid Control includes **ISO** Ancillary Services, **ADS**, **AGC** and more

Contact Us

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For more information, please visit us at:

<https://rrccompanies.com/services/scada/>

The logo features the letters 'R', 'V', and 'R' in a bold, white, sans-serif font. A stylized lightning bolt, colored orange and blue, strikes the top of the first 'R'. Below the letters, there is a horizontal bar with a blue-to-orange gradient.

The RIVR® logo is an RRC Companies trademark® RRC 2023