

InduSoft Web Studio

Turning Renewable Energy into a Revolution!



What Makes InduSoft Web Studio Ideal for Renewable Energy Applications?

- Scalability:** From low-cost embedded RTU applications to server scale SCADA implementations, InduSoft Web Studio provides all of the necessary tools in a single development environment.
- Flexibility:** InduSoft Web Studio provides the most interoperability of any HMI/SCADA solution on the market. With over 240 communication drivers for all major PLCs, RTUs, and controllers, as well as OPC support (UA, HDA, DA, and Xi), InduSoft Web Studio makes it easy to communicate with a variety of hardware and software components.
- Security:** InduSoft Web Studio v7.0 offers new security features, like support for Microsoft Active Directory. A stable and secure SCADA system is vital for the remote monitoring schemes commonly used in renewable energy applications.

Wind Energy

From “Small Wind” to “Wind Farm”, InduSoft Web Studio can handle it!

- InduSoft Web Studio is ideal both as an embedded product found at the individual wind turbine level, or as a complex SCADA application monitoring performance of entire wind farms
- Remote Monitoring capabilities allow users to keep abreast of key system parameters using web-based thin clients, smart phones, e-mail alerts, and more.
- Connect to external weather resources like remote gust sensors to position turbines for optimal performance.
- Reduce downtime by monitoring critical performance metrics (such as shaft vibration or brake wear) and employing predictive maintenance practices.



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Solar Energy

Soak in the sun with InduSoft!

- Use InduSoft Web Studio to enable remote monitoring, troubleshooting and performance tracking of your solar farms over Ethernet, radio modems, or even a satellite connection.
- Use InduSoft Web Studio to interface with controllers on solar tracking systems and maximize energy output from your solar arrays.
- Use built-in Overall Equipment Effectiveness tools to provide insight into asset utilization and system degradation.
- InduSoft Web Studio can be configured to provide instant local access to product manuals and maintenance schedules/procedures.



Energy Consumption

Measuring energy consumption is the first step in "Going Green"

- Use InduSoft Web Studio to interface with many types of equipment and accurately record the consumption of electricity, gas, steam, water, and other resources.
- Databases/reports help facility management better understand historical usage and plan for energy optimization and reduction efforts.
- Use visual dashboards as a teaching tool so that building occupants are aware of current consumption patterns (or cost savings)

