

AUTOSOL 



Many devices and data access requirements.

**One proven platform
to bring it all together.**

Simplify industrial data communications with AUTOSOL.

Ready to get data-driven?

AUTOSOL's software solves the challenges of securely collecting, accessing and sharing data across industrial devices and decision-makers.

Data access has become a critical competitive differentiator among industrial enterprises: those that have visibility into real-time data generated from their operations can react more quickly to issues, optimize overall performance and prioritize process improvements for greatest ROI.

The trouble is that proprietary RTUs, PLCs, meters and automation systems do not interoperate and thus require multiple communication solutions to connect to and capture their data. With thousands of field devices to monitor and manage, remote data collection becomes highly complex and ultimately still fragmented – **unless you have AUTOSOL.**

One platform, one information stream.

AUTOSOL's industrial data communications software uses multi-protocol polling to collect data from proprietary field devices and control systems and delivers it in standardized OPC format to any HMI, databases, or data validation and accounting systems. It eliminates the need for multiple discrete connectivity applications and unifies operational-wide data into a common information stream accessible to all the systems and personnel that need it.

How It Works

Multi-protocol polling through any type of telemetry.

AUTOSOL's software uses OPC to communicate with SCADA, AMR and utility metering devices through a wide array of native protocols over almost any type of telemetry circuit, including Ethernet, serial, radio, satellite and cellular. Data can be delivered over a single or multiple telemetry channels simultaneously.

Delivers real-time, historical, and edge data.

With AUTOSOL you don't just get real-time data – you get *anytime* data, from every part of your operations including the edge. Our platform supports instantaneous delivery of sensor values from the field, historical data collection and storage for product measurement and compliance, and RTU- and PLC-level polling with report-by-exception publishing of edge data to an MQTT broker.

Bridging the gap between legacy and IIoT devices.

With AUTOSOL, new technologies like smart devices can interoperate with legacy devices. You gain the flexibility to implement the latest and greatest automation tools and IIoT-enabled devices alongside existing equipment – greatly extending the useful life of in-place systems and allowing for streamlined, vendor-agnostic growth as your operations scale or expand by acquisition.



The Leading Platform for Industrial Data Delivery

Proven in the field since 1987, AUTOSOL is the platform trusted by today's industrial leaders for remote data acquisition.

In fact, our software has become an integral part of the world's critical infrastructure, providing the communication layer for more than 1,200 systems that communicate with over 500,000 devices performing various automation missions today.

AUTOSOL Communication Manager® (ACM)

Advanced Multi-Protocol Polling Engine

Our **full-featured polling engine** provides a single, robust solution to handle real-time and historical data communications.

ACM R/T SCADA Real-Time Only Version of ACM


Optimized for delivery speed, ACM R/T SCADA is built on the same proven foundation as ACM but polls for real-time data only, delivering timely views of operational performance.


eACM Edge-Based Polling Engine


eACM translates real-time native RTU and PLC protocols into MQTT or MQTT Sparkplug B, which use a report-by-exception approach to reduce application bandwidth consumption by as much as 90%.


In addition to our portfolio of polling engines, AUTOSOL has also built a number of add-on applications to help further enhance our customers' workflow efficiencies. These include:

 **OneSCADA**
To optimize SCADA organization & control

 **Modbus Slave**
To translate OPC protocols to Modbus

 **DbClient**
For handling OPC-DA data updates

 **LinePack**
To calculate supercompressibility and packed volume within segments

 **Hydrocarbon Dewpoint**
To calculate HCDP and cricondentherm of natural gas

Why AUTOSOL?

While other industrial automation vendors provide standard software, AUTOSOL provides solutions to operational challenges. We're data-focused but customer-driven, and can customize our products as needed to fit your unique requirements.



We've Lived Your Challenges

Our team members have been the power users of industrial automation software in the field, and apply that experience to ensure our own solutions are robust, relevant, reliable and easy to use.



End-to-End SCADA and Automation Expertise

We understand the full context in which our solutions must run, and leverage that knowledge to help optimize and troubleshoot your installation from server to network to end device.



Products & People You Can Count On

We're committed to doing right by our customers and have a long, successful track record of delivering products with mission-critical reliability, always backed by our responsive support.

It's easy to see why so many **industrial leaders continue to partner with us** on each new expansion or innovation project they have.



Tell us your industrial data communication challenges.

We're ready to help you unlock access to mission-critical operational information, and the value of your data for effective decision-making.

Contact us today to get started.

