AUTOSOL

AUTOSOL for Oil & Gas

Unify Your Pipeline's Data Stream, Reveal New Production Insights

The future of oil & gas will be data-driven, with the leaders using information captured from every corner of their expansive operations to inform process improvements and maximize yield.

But with hundreds to thousands of RTUs, PLCs, meters and automation system dispersed in the field – most proprietary and remotely located – collecting this data becomes quite complex. Multiple communication solutions are needed to connect to each system, fragmenting data delivery into silos and obscuring your operational-wide view. **Unless you have AUTOSOL.**

AUTOSOL Industrial Communications Platform: Bringing it all together.

AUTOSOL's platform includes a series of multi-protocol polling engines to **collect real-time, EFM and edge data from diverse field devices into a common information stream.**

This data is delivered in standardized OPC format to any HMI, databases, or data validation and accounting systems. It eliminates the need for multiple discrete connectivity applications to connect to proprietary devices and disseminates collected data to all the systems and personnel that need it.

With AUTOSOL, data on every operational function – from pipeline to production to distribution – is unified, accessible and shareable across assets and stakeholders in every business unit. As a result, your oil & gas enterprise can **analyze operations holistically, see issues readily and prioritize optimization efforts for the best ROI.**

Built for the Devices, Data Access and Growth Demands of Oil & Gas Operations

Our portfolio of polling engines was built from the ground up for the data communication needs of the oil & gas industry.

Diverse protocol support in one platform.
AUTOSOL supports the native protocols of the leading PLC, RTU and flow metering device manufacturers in oil & gas. We can also customize our platform to add the protocols you need.

Delivery of real-time, historical and edge data.
Our platform provides for all-in-one SCADA, EFM and AMR system monitoring in a single installation. Access real-time data from distributed pipeline assets; capture historical data to facilitiate proper yield allocation and uphold compliance requirements with tracking of metering system data over time; and leverage local edge-based polling to gather more data from remote field devices using less bandwidth.

Scalable with acquisitions and innovation projects.
Oil & gas operations are constantly expanding. Whether you have acquired new pipeline and have new devices to integrate or are adding new 'smart' devices to digitize your oilfield, AUTOSOL remedies communication incompatibilities between devices so all can interoperate. That means you can extend the life of legacy assets and ensure vendor-agnostic scalability as you take on new IIoT initiatives.

The Leading Data Delivery Platform in Oil & Gas

Proven in the field since 1987, AUTOSOL's platform is the *de facto* choice for energy leaders today.

In fact, AUTOSOL's software has become an integral part of the world's critical infrastructure, providing the communication layer for 500,000+ devices performing various automation missions today.

AUTOSOL Communication Manager® (ACM)

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

ACM R/T SCADA

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

eACM

eACM polls locally at the RTU- or PLC-level. It translates native protocols into MQTT or MQTT Sparkplug B, which use a bandwidth-efficient report-by-exception approach.

We've also built add-on applications to further enhance oil & gas workflow efficiencies, including:

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

SCADA Expertise to Enhance the Power of Your Software

AUTOSOL's team members have been power users of industrial automation software in oil & gas enterprises, and we bring unique knowledge of the protocols, field devices, networks and HMIs that come together to create complete SCADA views.

It's how we are able to truly solve your operational challenges, customizing our products as needed to fit your requirements and ensuring they are optimized within your greater system. We also share this expertise with your users through training that empowers them with the software knowledge to run your installation optimally.

Ready to get data-driven?

Talk to the AUTOSOL team today and solve your challenges of securely collecting, accessing and sharing pipeline and production data at scale.

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Call: USA: 281.286.6017 | Canada: 587.315.6128   **Visit:** www.autosoln.com   **Trial our software at:** autosoln.com/software-trial