Integrated SCADA, control, and communications solutions
Semaphore offers the first IP-based RTU solutions that enable complete integration of SCADA, control, and communications functionality in one rugged package. Our simple yet powerful products leverage easy-to-use Web technologies and inexpensive public networks. They are easy to configure and offer dramatically reduced costs versus traditional SCADA/PLC systems.

Semaphore systems provide fast implementation and startup with minimal training and engineering costs, plus easy integration with a vast range of third-party devices. They’re the products of choice for those desiring flexible, proven standard or Internet-based technology with minimal project delays and risk.

Semaphore products have been delivering leading-edge yet highly cost-effective telemetry solutions in a broad range of industries for over 20 years. Our strength in designing modular innovative solutions with unparalleled IT and communications capabilities attracts a growing group of clients in the energy, chemical/petrochemical, utilities, broadcast, and transport sectors, as well as a myriad of niche applications in industrial and commercial applications.

Semaphore is part of the Servelec Technologies Group, a newly-formed company within Servelec Group plc, under which sits all of Servelec’s SCADA and telemetry-related businesses. In addition to Semaphore, the group includes Tynemarch Systems and Servelec Systems. Servelec Technologies Group is a global provider of SCADA and specialist software solutions, Remote Telemetry Units (RTUs) and consultancy services.

TBox and Kingfisher systems monitor and control almost anything. With proven reliability, powerful communications flexibility, and class-leading IP technology, our solutions are limited only by your imagination.
Kingfisher Plus+

The Kingfisher Plus+ Series is the only RTU line that features an embedded programming and configuration environment as well as the extended memory and power of a PLC. With its Toolbox Plus software, the series incorporates an ISaGRAF integrated operating environment with configuration, IEC 61131-compliant programming, development, and maintenance in one simple-to-use package. Semaphore has combined the benefits of advanced processor and software technologies with the reliability of proven I/O modules and communications options. The result is an easy-to-configure solution that achieves exceptional performance.

Kingfisher Plus+ systems are particularly well suited for large, demanding measurement and control applications that employ central stations.

Kingfisher Plus+ removes complexity from your application. You get fast startup, all-in-one configuration and programming, and highly flexible, IP-enabled communications in a single integrated package. The modular architecture of Kingfisher Plus+ makes it easy to upgrade your investment. You also benefit from a broad range of powerful communications options. Choose from either integrated serial or integrated spread spectrum radio communications. The serial option allows connection to external third-party modems, such as UHF radio, GSM, PSTN, satellite, and more. Semaphore offers the flexibility to integrate virtually any communications protocol.

TBox

The TBox line of SCADA and control products is ideal for both large and small decentralized applications where its push and Web technologies enable high-performance yet economical implementation and operation. Onsite staffing of your SCADA control room 24 hours a day is now a thing of the past thanks to the advanced IP capabilities in every TBox system. Only TBox incorporates full Web server technology with SMS reporting and remote control to give you real-time access anytime, anywhere through a standard Web browser. Now, you can receive alarms and communicate to your site remotely, using a cell phone. And automatic alarm escalation allows key maintenance personnel to receive any unacknowledged alarms.

With the optional T-VIEW data aggregator, you can generate reports and trending charts, eliminating the need for historian software. In addition, our innovative push technology allows you to receive alarms as they happen without ever having to poll a device. This capability keeps network traffic to a minimum while reducing infrastructure and network overhead costs associated with traditional RTU networks. Only TBox combines IP capabilities with an unmatched software package to transform your measurement and control ideas into powerful solutions.

T-VIEW is a new remote monitoring concept that serves as an intelligent communications interface between outstations and central management sites. Its powerful tools transfer and export historic data to common database platforms using the power of the Internet.
Semaphore products are designed to monitor and manage the telemetry and control requirements of a broad range of industrial and commercial applications. TBox and Kingfisher products have provided solutions for over 70,000 installations to the most exacting performance and environmental standards. Our global R&D team remains at the forefront of industrial and IP technologies, constantly refining and delivering products to solve the monitoring and control challenges of the future.

Our products are used in a variety of applications that include water treatment plant control and monitoring, pipeline emergency shutoff and flow monitoring, rail signaling integrity monitoring, broadcast equipment emergency alarm management, and asset management of remote cell phone towers or street lighting systems. Now critical alarms and data are instantly available to the most appropriate individual, when and where they are needed.