



*The Standards Based Integration Company*

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## SISCO Company Overview

### About SISCO

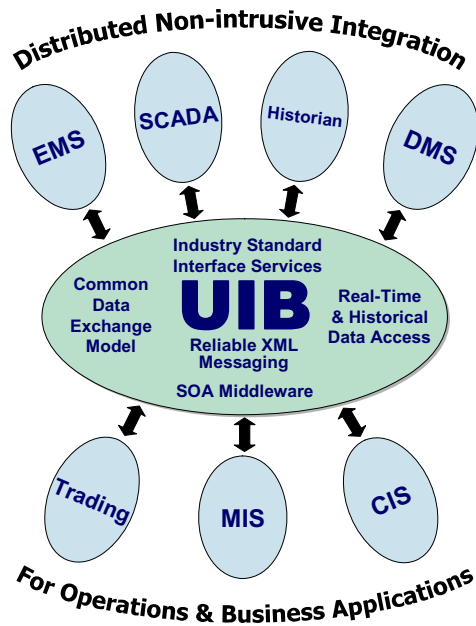
SISCO, Inc. is a privately held company founded in 1983 and based in Michigan USA with resellers and OEM partners across the globe. SISCO was originally founded with a focus on applying modern computer technology to industrial automation. SISCO soon became involved in international communications standards and developed products to make the implementation of standards based systems feasible. Since then, SISCO has established itself as a world leader in providing cost-effective standards based communications and integration solutions.

Today, SISCO software is used in a wide variety of industries from electrical power transmission, distribution and generation systems to manufacturing and postal automation equipment. SISCO serves both end users and OEMs. SISCO's proven track record of working effectively with OEMs and integrators has been a key to the success of standards based solutions in the industries we serve. SISCO's ability to partner with OEMs in non-competitive ways has allowed us to become the world-wide leader in providing the software that glues together the many large multi-national power system data exchange networks that are being built today. Working with SISCO allows our OEM and integrator partners to deliver more capabilities to their customers at a lower total cost of ownership and with lower technical risk. End users working with SISCO are assured that they have chosen a reliable supplier that can be counted on to work effectively with their other suppliers to deliver a working solution.



### Capabilities

- Development toolkits to enable lower development costs and reduced technical risks for OEMs and application developers
- Protocol source code for international communications standards:
  - Substation automation per IEC 61850
  - Inter-control Center Communications Protocol (ICCP) per IEC60870-6 TASE.2
  - Manufacturing Message Specification (MMS) per ISO9506
- Utility Integration Bus (UIB) for integrating operations applications using mainstream middleware based on IEC 61970, IEC 61968, and OPC Foundation standards
- Application Connectors for UIB
- Application Development
- Implementation Consulting
- Systems Integration
- Training Services



## Utility Integration Bus

SISCO's UIB is an integration platform that provides the industry specific extensions needed to allow the same mainstream middleware technologies used in business integration to be used for operations application integration as well. The UIB supports a common data exchange model that greatly simplifies the integration task and enables significant reduction in configuration costs. Applications access the UIB functions using standardized application programming interfaces (APIs) and services to share data using a service oriented architecture (SOA). Legacy and business applications can be integrated non-intrusively enabling preservation of investment in existing applications.

## Inter-control Center Communications Protocol

ICCP is an international standard (IEC60870-6 TASE.2) for data exchange between utility control centers. ICCP is used world-wide for systems to coordinate the transfer of energy from power plants over regional, national, and international transmission systems. SISCO provides more of the underlying protocol glue that ties these systems together than any other ICCP supplier in the world. SISCO ICCP-TASE.2 products include developer toolkits, source code, and "plug-in" OPC drivers for many off-the-shelf Windows based HMI and SCADA applications.

## Substation Automation with IEC 61850

IEC 61850 is an international standard that provides a comprehensive architecture for substation automation and real-time object-oriented communications across the utility enterprise. IEC 61850 is a single world-wide standard for substation automation that will significantly reduce the costs for substation automation through:

- Self-describing devices that eliminate time-consuming and error prone manual configuration.
- Standardized device and substation configuration language (SCL) based on XML
- High-speed Ethernet leverages mainstream technology for reliable high-performance systems.
- Powerful services such as reporting, controls, logging, etc. provide the functions needed for real-time utility operations without proprietary or custom extensions.

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