



Systems Integration Specialists

R-GOOSE Gateway

Interconnect GOOSE and R-GOOSE Systems

SISCOnet.com

About SISCO

Founded in 1983, Systems Integration Specialists Company (SISCO) set out to harness the emerging power of personal computers to transform factory automation. Early in its journey, SISCO pioneered the first commercial implementation of the Manufacturing Message Specification (MMS), advancing how robots helped reshape the automotive industry.

In the 1990s, the Electric Power Research Institute (EPRI) launched its Utility Communication Architecture initiative. SISCO became a key contributor, demonstrating that its MMS technology aligned seamlessly with the needs of the electric utility sector.

This milestone marked a pivotal shift: SISCO turned its focus to the utility industry, helping to define and drive the adoption of critical standards, such as **ICCP**, **IEC 61850**, and **CIM**. Over the decades, the company has remained deeply engaged in industry organizations and user groups, ensuring these standards continue to evolve.

Today, SISCO is recognized as a leader in utility communications—providing deep expertise, robust products for rapid deployment, and services that connect systems and data with efficiency and reliability.



SISCO Committed to Standards

- IEC Technical Committee 57 (TC57)
 - » WG07/19 – IEC60870-6 TASE.2 (ICCP)
 - » WG10 – IEC 61850 (power system automation communications)
 - » WG13 – IEC 61970 for EMS (CIM modeling and model exchange)
 - » WG14 – IEC 61968 for DMS (CIM modeling and messaging)
 - » WG15 – IEC 62351 Communications Security
 - » WG17 – IEC 61850-420 and 8-2 Distributed Energy Resources
 - » WG19 – Interoperability and Harmonization with TC57
- IEEE
 - » Power System Relaying Committee (PSRC)
 - » Power System Communications and Cybersecurity Committee (PSCC)
 - » CIM Task Force
- UCA International Users Group
 - » Founding Member
 - » CIM Users Group
 - » IEC 61850 Users Group
- ISO
 - » TC 184 - ISO 9506 (MMS)

SISCO Technology

- Communication Protocol Software and Tools for:
 - » Control Center-Control Center and Control Center-Power Plant communications
 - Intercontrol Center Communications Protocol (ICCP) IEC 60870-6 TASE.2
 - » Power System Automation Communications
 - IEC 61850
- Common Information Model
 - » CIM-based messaging for model-driven application integration
 - » Adapter and tools to apply CIM to data and tag name management for operational systems
- COMTRADE Enterprise-level power system disturbance file management system for PI
- Unified Analytic Platform
 - » A high-speed analytic platform for processing real-time data streams such as GOOSE (and Routable GOOSE) for wide-area protection, measurement, and control
- Systems Integration Services
 - » Training
 - » Adapter/application development
 - » Consulting to assist our customers based on international standards

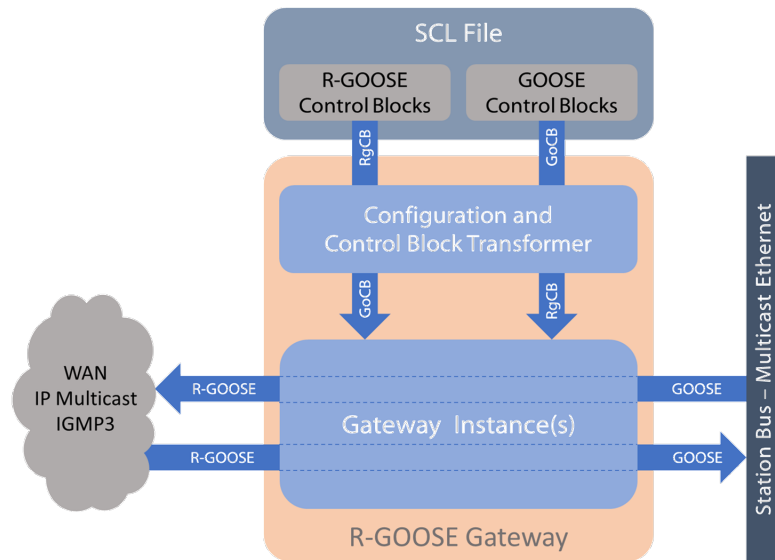


R-GOOSE GATEWAY

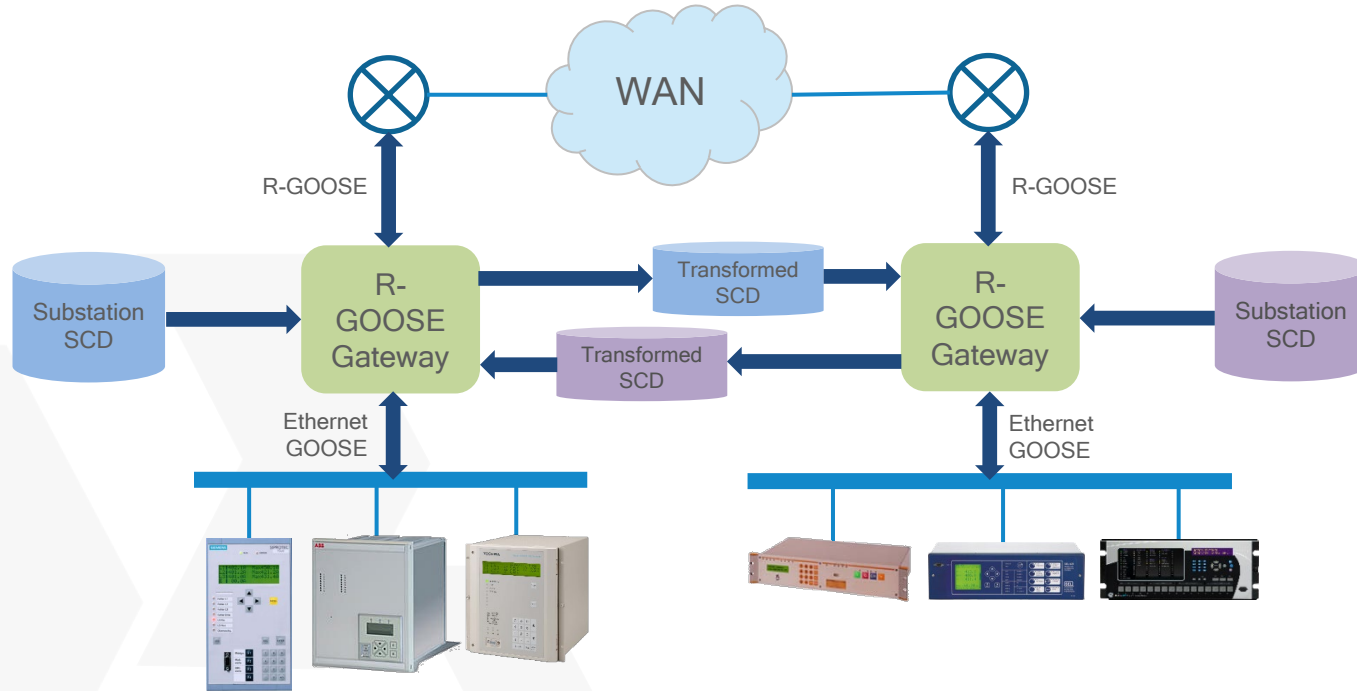
Architecture & Applications

R-GOOSE Gateway

- Translates Ethernet Multicast GOOSE messaging to/from IP Multicast GOOSE (R-GOOSE) with minimal latency
- Configures with SCL and autogenerates the necessary GoCB and RgCBs needed on either end of the gateway
- Supports execution of multiple gateway instances and multiple network interfaces



R-GOOSE Gateway Application



**Logical Diagram. Not a Network Architecture.



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**For more information or to
schedule a demo, contact us at
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