MISER ODBC Bridge

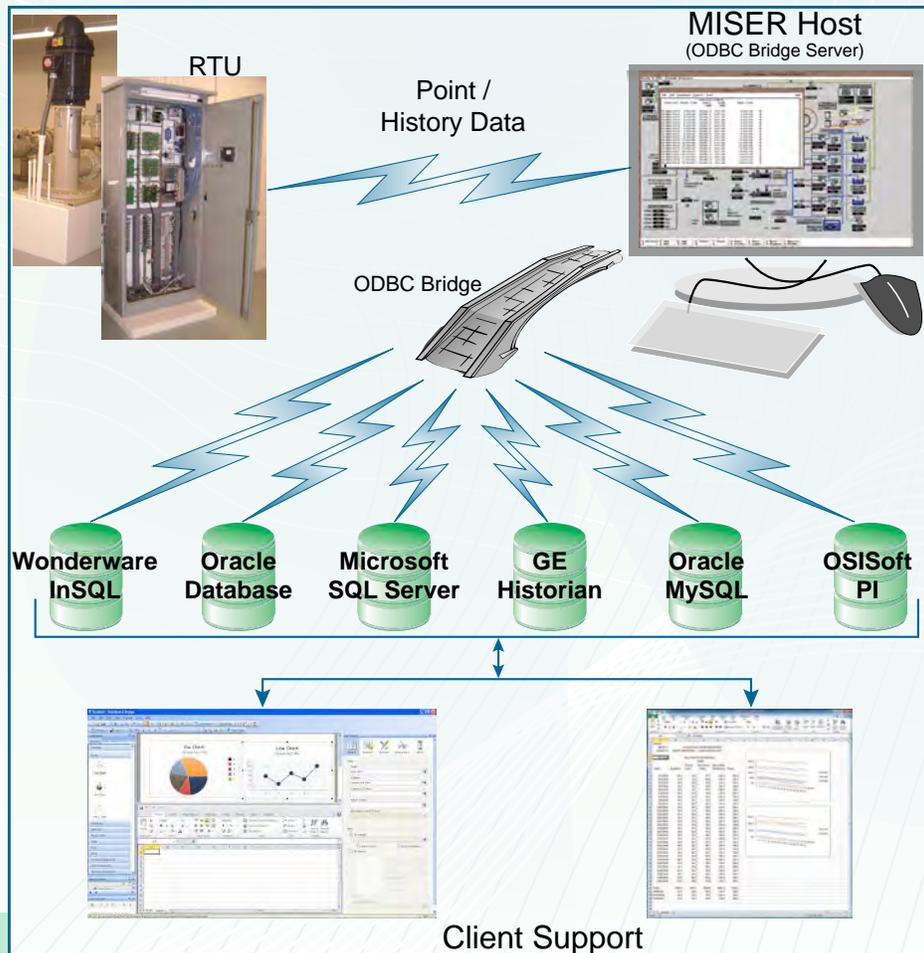## Database Interface Software

HSQ TECHNOLOGY

The MISER ODBC Bridge

The MISER ODBC Bridge is a server/client software suite that provides a link between your MISER Supervisory Control and Data Acquisition (SCADA) system and relational databases used in your installation. This powerful data transmission application receives historical and point information from the MISER SCADA system, converts it to the appropriate format, and then enters it in the relational database. With the ODBC Bridge, your MISER system can quickly and easily become part of your cloud computing infrastructure.

The MISER ODBC Bridge operates on a Windows PC running a relational database server. The ODBC Bridge transfers the MISER Point definition and its current value, historical data, alarm status (for specified points), and the point quality status, to the relational database. Additionally with the HSQ ODBC Bridge, you can even send your data to more than one database at the same time.

♦ Saves MISER historical and point data to an existing enterprise database or a new HSQ-provided database

♦ The MISER ODBC Bridge can connect to any database that has an ODBC driver

♦ Works with all Windows operating systems from Windows 2000 to Windows 10 as well as Windows Server Operating Systems

♦ Seamlessly integrates with third-party, report writing and Geographic Information System (GIS) packages

♦ Available as a Windows-based application suite or as a complete, turnkey hardware and software solution

♦ Ability to interface with two or more separate Relational Databases simultaneously

♦ Eliminates version control issues between the database and client libraries

♦ Runs in a Virtual Machine, freeing resources for other processes

RTU

Point / History Data

MISER Host
(ODBC Bridge Server)

ODBC Bridge

Wonderware InSQL	Oracle Database	Microsoft SQL Server	GE Historian	Oracle MySQL	OSISoft PI

Client Support

...IN CONTROL

The ODBC Bridge is designed to support the following databases:

- *Oracle Database 10g, 11gR1, 11gR2, or 12c*
- *Microsoft SQL Server 2016*
- *Oracle MySQL v5.7*
- *MariaDB 10.2*
- *Wonderware InSQL*
- *GE Historian*
- *Any Relational Database with a Windows ODBC driver*

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The MISER ODBC Bridge automatically adds new points to the database as they are defined in the MISER system. In addition, it systematically updates all Point attributes when they are revised on the MISER host. It also sends Change of State (COS) information for every point in the MISER History that has been flagged for saving to the relational database.

Data Loss Prevention

MISER point and historical data is critical to your operations. Implementing data loss prevention measures is simple when you use the MISER ODBC Bridge and a relational database. The inherent redundancy of MISER and the ODBC Bridge assures that data is collected even in the event of a connection or primary host failure.

Efficient Resource Utilization

The MISER ODBC Bridge uses network and database tablespace efficiently by only communicating and storing realtime changes from SCADA. The resource savings afforded by this implementation allow for greater flexibility when choosing network options, where bandwidth is metered. This results in faster storage and retrieval characteristics than any scanned or periodic snapshot solution.

Installation Support

With the MISER ODBC Bridge from HSQ, you decide what level of installation services you need. We can provide you with a wide range of options, from a simple pre-configured ODBC Bridge software package to a complete turnkey hardware and software solution tailored to your specific system. With our incomparable support, you can rest assured that we will have you up and running simply and quickly. Installation includes setting up the necessary MISER commands on your host machine and depending on your needs, can even entail translating and porting your data to the database of your choosing. Also, we can work with your existing IT department to provide whatever they need, including training.

Client Support

You can get even more flexibility and accessibility out of your MISER ODBC Bridge installation when it is combined with third party applications. For instance, add Microsoft Excel, SAP Crystal Reports, or a variety of other report writing tools to manage and share your SCADA information. Or, if you need your data combined with location reporting, you can add a Geographic Information System (GIS) such as ArcGIS from ESRI, to include spatial analysis with your data management. One of the great features of the HSQ ODBC Bridge is that it integrates effortlessly with many tools and packages to provide even more usefulness for your data.