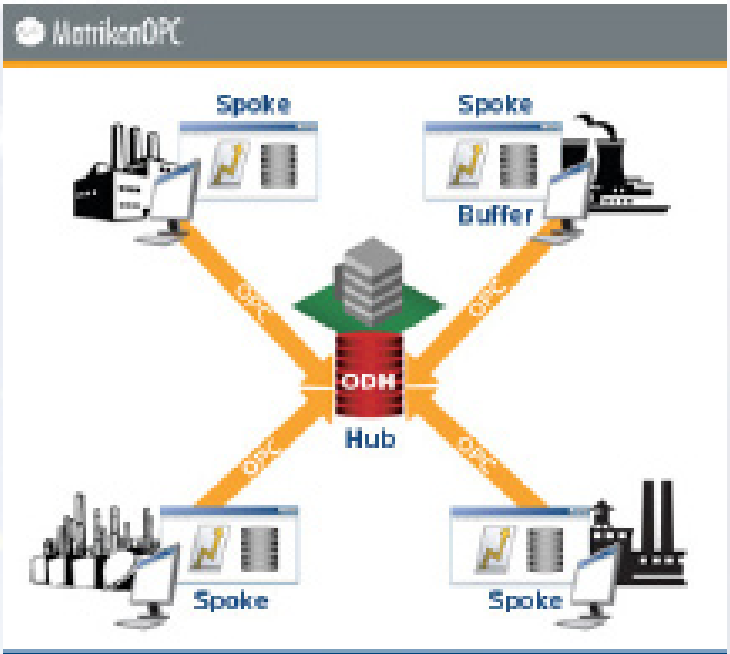
MatrikonOPC Hub and Spoke

Guaranteed Data Delivery

OPC Hub and Spoke solution is designed to solve many individual problems manufacturers are currently facing, including reliability, accuracy, maintainability and affordability of historizing process data. OPC Hub and Spoke is a solution based on a number of individual OPC technologies to reliably transfer process and business data from remote locations to a central repository as well as securely trend and analyze your process data at the source location.

Process Data must be **accurate and accessible, yet secure**. Having unreliable communication channels can severely impact your data integrity. Using **OPC Hub and Spoke** solution, process data can be securely collected and buffered at the data source, and then forwarded to the central historian when the communication is restored, guaranteeing the data delivery and integrity of your process data.

OPC Hub and Spoke design is instrumental in creating a standard based solution for the collection and analysis of historical process data. Based on OPC HDA, Historical Data Access is the OPC standard used to exchange archived data, process data can be easily exchanged between an application and any data-archive in a consistent manner. It also enables enterprisewide interoperability as all applications can rely on a single industrial standard that is supported by all key vendors.



OPC Hub and Spoke

Key Benefits

- Guaranteed Data Delivery over unreliable communication lines.
- **Tag level** OPC security to grant and deny access to the archived data.
- Analyze, trend, and buffer your process data at the source.
- Standards based (OPC) for ease of integration with third party layered software.
- Reduce cost of ownership: training, maintenance, capital cost.

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Enabling Technologies

- **MatrikonOPC Tunneling Technology**
  Matrikon OPC Tunneller provides an easy, reliable and effective way to communicate between networked computers. It does away with the headaches typically associated with the configuration of DCOM. No longer are different protocols, security settings or locations a factor when sharing data between computers. This is achieved by simply installing Matrikon OPC Tunneller on the OPC client and OPC server nodes. From that point it is only a matter of stipulating a computer name or IP address and the port setting.

- **MatrikonOPC HistoryLink**
  The MatrikonOPC HistoryLink is built upon the MatrikonOPC Tunnelling technology. HistoryLink enables two OPC HDA capable process historians to share historical data. HistoryLink can move data on an ongoing schedule (ScheduleLink), or be triggered via some process variable (MonitorLink). Historical data management has never been easier. HistoryLink is also iC! Enabled, thus remote configuration is possible.

- **MatrikonOPC Buffer**
  MatrikonOPC Buffer is an off the shelf solution for remote data collection, buffering, and with the optional History-Link module; historical data transfer to a central process historian. This product is great for engineers and project managers who need guaranteed data collection and delivery from geographically remote sites.

- **MatrikonOPC Desktop Historian**
  For manufacturers that need to analyze process data, the MatrikonOPC Desktop Historian is an affordable, easy to install, easy to configure and easy to administer data archiving tool. Unlike enterprise process historians that are designed to manage the needs of the entire corporation, MatrikonOPC Desktop Historian, an operation process historian, focuses on data collection, not data presentation and processing.