ArcGIS Schematics
Automatic Schematic Generation for ArcGIS

As a data-driven solution, ArcGIS Schematics provides high-quality, reliable results and up-to-date representations of the network for any industry. Regardless of the data model, the symbology is driven by attributes in the geodatabase, preventing discrepancies between the schematic and the database and eliminating the need for a redundant database.

ArcGIS Schematics software’s layout algorithms allow the representation of any type of network or diagram including outside- and inside-plant diagrams. These algorithms can be configured and customized to fit industry needs, company standards, and specific departmental needs in companies. Algorithms may also be created from scratch using a COM-compliant programming language.

For more information, visit www.esri.com/schematics.

Key Features

Automatic Diagram Generation
ArcGIS Schematics automatically generates geoschematic and pure schematic views from existing network data, thus limiting the number of operations needed to build architecture and maintenance networks. ArcGIS Schematics provides greater return on investment by saving you time and money.

Multiple representations
ArcGIS Schematics allows you to see the same set of network features in different graphical representations such as geographic, geoschematic, and schematic. Multiple graphical representations, such as logical and physical display, provide a better understanding of how a network is organized and help accelerate decision cycles.

Data-Driven Solution
As a data-driven solution, ArcGIS Schematics provides high-quality, reliable results and up-to-date representations of the network for any industry. Regardless of the data model, the symbology is driven by attributes in the geodatabase, preventing discrepancies between the schematic and the database and eliminating the need for a redundant database.

Customizable Algorithms
ArcGIS Schematics software’s layout algorithms allow the representation of any type of network or diagram including outside- and inside-plant diagrams. These algorithms can be configured and customized to fit industry needs, company standards, and specific departmental needs in companies. Algorithms may also be created from scratch using a COM-compliant programming language.

Multiple Data Source Access
Users can manage both spatial and nonspatial data with ArcGIS Schematics and interact with graphically based and object-oriented databases. A single session of geographic and relational database data provides the means to efficiently manage network assets.

Dynamic Interaction with GIS
ArcGIS Schematics complements GIS technology in the design, construction, and management of networks because it identifies the location in the geographical space.
**ArcGIS® Schematics**

**Automatic Schematic Generation for ArcGIS**

ArcGIS® Schematics automatically generates geoschematic and pure schematic views from existing network data, thus limiting the number of operations needed to build architecture and maintain network data updates. ArcGIS Schematics provides greater return on investment by saving you time and money.

**Key Features**

- **Automatic Diagram Generation**
  ArcGIS Schematics automatically generates geoschematic and pure schematic views from existing network data or data that has attributes for relationships.

- **Multiple representations of a network**
  Dynamic Interaction with GIS
  ArcGIS Schematics complements GIS technology in the design, construction, and management of networks because it emphasizes the location in the geographical space.

- **Tracking diagram integrated with GIS**
  Multi-step presentation
  ArcGIS Schematics allows you to see the same set of network features in different graphical representations such as geographic, geoschematic, and schematic. Multiple graphical representations, such as logical and physical display, provide a better understanding of how a network is organized and help accelerate decision cycles.

- **On-the-fly diagram generation and updating**
  Data-Driven Solution
  As a data-driven solution, ArcGIS Schematics provides high-quality, reliable results and up-to-date representations of the network for any industry. Regardless of the data model, the symbology is driven by attributes in the geodatabase, preventing discrepancies between the schematic and the database and eliminating the need for a redundant database.

- **Multirepresentation**
  Customizable Algorithms
  ArcGIS Schematics software's layout algorithms allow the representation of any type of network or diagram including outside- and inside-plant diagrams. These algorithms can be configured and customized to fit industry needs, company standards, and specific departmental needs in companies. Algorithms may also be created from scratch using a COM-compliant programming language.

- **Composite map created from multiple data sources**
  Multiple Data Source Access
  Users can manage both spatial and nonspatial data with ArcGIS Schematics and interact with a geodatabase and other network-related databases in a single session. Integration of corporate-wide data provides the means to effectively manage network assets.

- **Supply diagram created using custom layout algorithms**
  For more information, visit www.esri.com/schematics.
Automatic Schematic Generation
ArcGIS Schematics automatically generates geoschematic and plan schematic views from existing network data, thus limiting the number of operations needed to build architecture and maintain network data updates. ArcGIS Schematics provides greater control over investment so you save time and money.

Key Features

- Automatic generation of schedule diagrams
- Multiple representations of a network
- Tracking diagram integrated with GIS
- On-the-fly diagram generation and updating
- Multirepresentation
- Supply diagram created using custom layout algorithms

Dynamic Interaction with GIS
ArcGIS Schematics complements GIS technology in the design, construction, and management of networks because it emphasizes the location in the geographical space.

Data-Driven Solution
As a data-driven solution, ArcGIS Schematics provides high-quality, reliable results and up-to-date representations of the network for any industry. Regardless of the data model, the symbology is driven by attributes in the geodatabase, preventing discrepancies between the schematic and the database and eliminating the need for a redundant database.

Customizable Algorithms
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Multiple Data Source Access
Users can manage both spatial and nonspatial data with ArcGIS. Schematics and interact with both a geodatabase and/or their network-related databases in a single session. tieage of corporate-wide data provides the means to effectively manage network assets.

For more information, visit www.esri.com/schematics.
Industries That Benefit from ArcGIS Schematics

- Electric and gas
- Transportation
- Water/Wastewater
- Petroleum/Pipeline
- Telecommunications
- Homeland security
- Hydrology
- Local government
- Defense and intelligence

Applications That Benefit from ArcGIS Schematics

- Customer information
- Forecasting and planning
- Operations management
- GIS/SCADA
- Outage and trouble management
- Design and analysis
- Tracking management

ArcGIS Schematics helps oil and gas producers manage and analyze geographic information. ESRI offers a framework for implementing GIS technology in any organization with a seamless link from personal GIS on the desktop to enterprise-wide GIS, identification and data management systems. ArcGIS GIS solutions are flexible and can be customized to meet the needs of your users. ESRI is a full-service GIS company ready to help you begin, grow, and build success with GIS.

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Applications That Benefit from ArcGIS Schematics

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- Design and trouble management
- Access and analysis
- Flow management
- Tracking management

To evaluate ArcGIS Schematics, visit www.esri.com/schematics.

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For more information on ESRI, call 1-800-447-9778 (1-800-GIS-XPRT) or contact an ESRI value-added reseller near you.

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ArcGIS Schematics helps oil and gas producers forecast trends and plan new regulatory sites, optimize oil and gas pipelines, and find ways to optimize fluid routing throughout the system. It also allows the rapid generation of schematics in required format for all U.S. carriers by the Federal Energy Regulatory Commission.

ArcGIS Schematics helps oil and gas producers evaluate existing and plan new pipeline routes, distinguish topological relationships, and find ways to optimize fluid routing throughout the system. It also allows the rapid generation of schematics, in required format for all U.S. carriers by the Federal Energy Regulatory Commission.

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