

Asset & Reliability Management

Today's utilities face issues such as:

- ▼ Constant pressure to reduce operating costs
- ▼ Optimizing capital and maintenance program expenditures
- ▼ Maximizing asset life and value
- ▼ Assuring regulatory compliance and asset integrity
- ▼ Bridge across disparate information silos

While distribution utilities today can “outsource” most aspects of their business, the item that defines their business model is the assets that they own. Yet most utilities maintain the knowledge base of their assets in diverse systems, and have little integrated knowledge of how they can improve their asset management. Opvantek has developed a solution that will not only improve utilities' distribution operations, but will evolve with changing regulatory requirements. This solution is **OpCircuit ARM**.

Your Solution

Now you can truly manage every physical asset within your network with a single integrated solution.

OpCircuit ARM includes a comprehensive asset and event registry stored in a standard relational database, with a full graphical interface depicting asset families and relationships via TreeViews. It models all physical network assets & events in a single, open solution, and it can be fully integrated with the leading GIS environments.



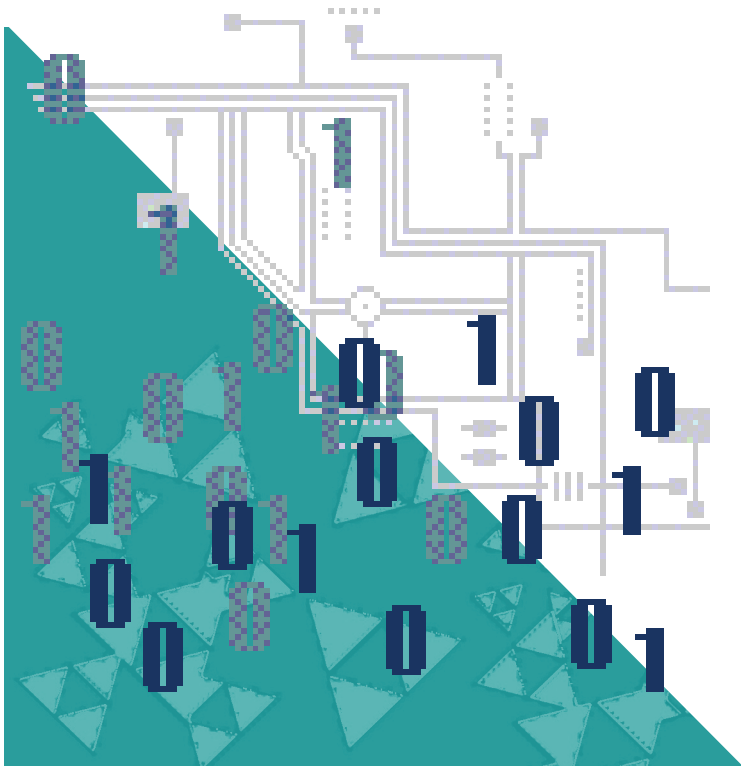
Features

- ▼ Complete registry for all current and historical assets & asset events
- ▼ Configurable editors for assets & events
- ▼ Configurable business rules for data validation
- ▼ Maintenance Program Manager to create, manage & evaluate Maintenance Programs that can be driven by NERC regulations & company policy, using time, event & asset condition driven logic
- ▼ Program initiated work requests that can be pushed to an external work management system or managed completely within **OpCircuit ARM**
- ▼ Comprehensive asset & event audit trail
- ▼ Asset relationship visualization (TreeView) and modeling in a relational database environment
- ▼ Seamless navigation between geospatial & relational asset displays
- ▼ Integration with asset data in geospatial, financial & legacy databases
- ▼ Create & process ad hoc work requests
- ▼ System-wide maintenance program progress reporting by user specified criteria

Compliance

OpCircuit ARM handles 100% of an electric distribution utility's network maintenance & reliability program work, including all National Electrical Code (NFPA 70) Standards, such as:

- ▼ Circuit Repair or Replacement
- ▼ Grounding Methods
- ▼ Installation & Maintenance of Electrical Supply Stations & Equipment
- ▼ Line Inspection & Maintenance



- ▼ **Asset Relationship Manager** - visualize asset relationships via a hierarchical 'TreeView'. The asset relationship model is stored in OpCircuit ARM's relational database so it can work in mixed or limited GIS environments. Create and maintain relationships via a drag-n-drop user interface, or drive them from a GIS interface.
- ▼ **Maintenance Program Manager** - Provides the user with an interface to manage maintenance programs (e.g. pole/transformer, primary/secondaries, substations, etc.). Programs are created by users. Assets subscribe to programs based on user-defined selection or event criteria. Pending Work Orders are created based on time or event-based actions and lead times.
- ▼ **Maintenance Program Tracking** - various reports to track maintenance and program completion.
- ▼ **Audit Trail Support** - Provides an audit trail of all asset/event transactions by user/asset type
- ▼ **User Management** - Add/modify user privileges within the OpCircuit ARM database

Product Architecture

- ▼ **Integrated Asset Register** - a common enterprise registry for creation and maintenance of all asset types, including detailed 'NamePlate' attribution for all assets.
- ▼ **Integrated Event Register** - a common registry for all types of planned and completed asset events (e.g. work requests related to the asset lifecycle, including asset creation, maintenance, inspection, and retirement) or operational history (e.g. changes in asset status, storage location, etc.). The Event Register also supports detailed 'Job-Card' and field supplied information for each event type, and summary level job cost information for all events.

Flexibility & Integration

The **OpCircuit ARM** database can be configured on either an Oracle or MS SQL Server RDBMS platform. The desktop application runs on Windows 2000 or Windows XP workstations.

OpCircuit ARM reaches its full potential when integrated with the rest of the OpCircuit™ Product Suite. However, it also functions well as a stand-alone product, integrated with your existing enterprise applications.

OpCircuit ARM includes two optional interfaces:

OpCircuit GIS

Derive asset relationships from your enterprise GIS. Users can navigate seamlessly between the OpCircuit ARM desktop application and the GIS map. OpCircuit ARM is architected to interface with all leading GIS platforms, including Autodesk, ESRI, GE Smallworld, & Intergraph.

OpCircuit WMS

Send work requests to an external work management system for scheduling and completion. Receive work updates or other asset events into OpCircuit ARM via a standard web service with full data validation support.

To learn more about **The OpCircuit™ Suite** contact:



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