ArcFM™ Designer XI

Streamlining the design lifecycle with simplicity, efficiency and intelligence

Welcome to the next generation in Graphic Work Design

Now more than ever, utilities need efficiency and quality data for feeding mission-critical systems like work management, GIS and OMS. And yet the reality is that most organizations are burdened with a cumbersome design and construction process. Backlogs average 3-4 weeks, paper documents create massive inefficiencies, and redundant drawing tasks result in errors. In addition, users can't easily access the information in order to design, analyze, plan, approve, schedule and build changes in the network.

With simplicity, efficiency and intelligence, ArcFM Designer XI is the next generation in Graphic Work Design that modernizes the entire design lifecycle. A focused application builta specifically for designers and engineers of electric and gas utilities, ArcFM Designer XI offers only the tools relevant to design – so nothing gets in the way of getting work done.

The ArcFM Designer XI Difference

ArcFM Designer XI combines the strengths of Schneider Electric's historical design tools into a single, purpose-built design application. It manages the full design lifecycle and stores all compatible units, work locations, graphics and construction prints with the design, including the ability to record installs and removes, as well as account for external factors such as hot versus cold work, heavy traffic or contract crews.

ArcFM Designer XI eliminates duplicate data and conversion of data from one system to another: Each design is associated with a version inside the GIS

The ArcFM Solution XI Series

ArcFM Designer XI is part of Schneider Electric's ArcFM Solution XI Series, an ecosystem of applications that streamline the design and construction workflow, enabling utilities to get work done more efficiently. ArcFM Editor XI, ArcFM Web XI and ArcFM Mobile XI fill out the rest of the ecosystem and offer the most comprehensive utility GIS solution available today. The result - streamlined workflows, minimized use of paper and a reduced work backlog, enabling utilities to address the challenges facing today's digital environment.

ArcFM Designer XI

database so users can view, query and edit designs without copying files around the network. Posting processes automatically change the work function associated with a design feature when facilities enter the "as-built" state.

ArcFM Design tools deliver full lifecycle support for utility design and construction by:

Getting work done faster
Utility customers have experienced over 75 percent reduction in the time required for designing new services.

Supporting the entire workflow.
Gas utility in the northeast now completes the entire workflow for a 100-foot main extension in a couple of hours – rather than a couple of days.

Future-proofing technology decisions
As an extension of the ArcGIS Platform, ArcFM Designer XI works with the Geometric Network or Utility Network, providing a bridge from legacy technology to new technology – whatever your timeline.

A Closer Look

Simplicity

Built on ArcGIS Runtime, ArcFM Designer XI is a focused application that delivers a user experience specifically focused on the designer.

Functionality
- An integrated environment for preparing construction work sketches, job cost estimates, and an automated means to update the ArcFM GIS database
- New interface offers tools based on the features you select, making work simpler and faster
- Engineering analysis design tools optimize network infrastructure
- A robust set of construction drawing and compatible unit (CU) management functions, allowing you to perform simple and very complex designs from the same application

Benefits
- A remarkable user experience, tailored to a designer's needs by streamlining the design process
- Maximize ArcFM Designer XI functionality without having to be a GIS expert
- Every action works directly in GIS - no redrawing needed
- Editing proficiency tools allow repetitive tasks to be completed quickly and accurately, ensuring consistent data and adherence to design standards

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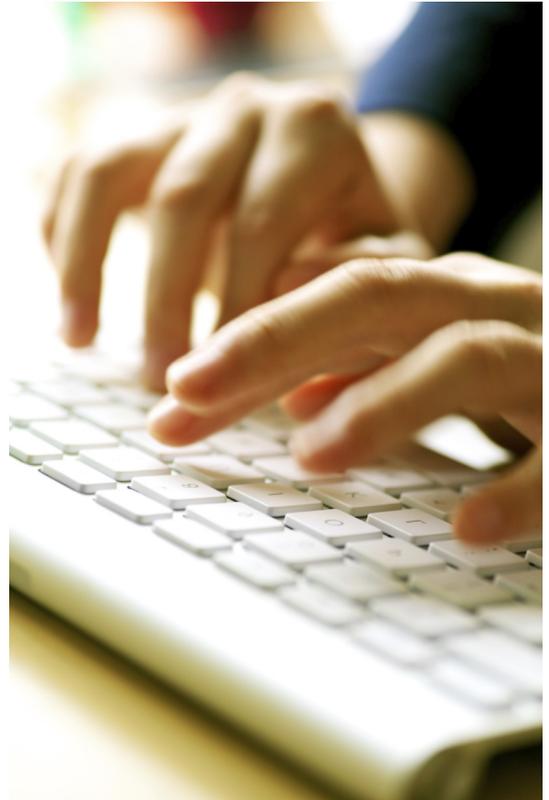# ArcFM Designer XI

Efficiency

As a single point of entry for all design tasks large or small, ArcFM Designer XI speeds up the design and construction lifecycle to reduce backlogs.

Functionality

- Borderless app mobility allows design to be done by anyone (even external contractors), anywhere, anytime and without complex offline data preparation
- Each feature mimics the actual equipment in the field, enabling faster and more accurate task completion
- Provides immediate designer feedback when a transformer is overloaded or phases are balanced improperly
- Ability to remove features with a simple brushstroke and auto-assign materials and labor
- Integrates the creation of a work sketch, the aggregation of materials and the labor required to perform the job into a single, seamless ArcFM GIS-based workflow
- Work orders posted to ArcFM Designer XI are updated automatically in the ArcFM GIS data, eliminating the need to redraw the sketch in ArcFM

Benefits

- Streamlined workflow eliminates redundant data entry and reduces the time it takes to create the work packet
- Built-in connection to Esri's industry-leading GIS platform to keep network information current
- A lightweight application connects to the GIS without having to be embedded in traditional, heavyweight GIS desktop tools
- Faster task completion and the elimination of redundant tasks greatly reduces backlog, allowing current information to be retrieved or supplied to other mission critical applications such as OMS and DMS
- Convenient environment in which users have seamless access to work requests from the WMS and ERP to provide costing and materials information without redundant data entry

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Intelligence

ArcFM Designer XI unlocks network engineering analysis at design time to optimize designs.

Functionality

- Built on a modern, services-based architecture with flexible integration APIs to configure information exchange with external systems
- An array of engineering analysis tools that automatically solve optimization challenges with sound engineering designs and lowest-cost options

Benefits

- Whether transformer loading or proper phase selection, enhanced analysis ensures designs are more accurate
- Real-time analysis, feedback and optimizations to reduce the time and cost of completing high-quality designs
- Ensures designers follow the rules, maintain compliance and produce optimal designs

To learn more or get a demo of ArcFM Designer XI contact your Schneider Electric Account Manager.

ArcFM Designer XI

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