

Are You Tired?



Owner

Are you tired of:

- Late information and surprises
- Managing the change process
- Project delays and their cost impact
- Inaccurate and incomplete as-builts



Engineer

Are you tired of:

- Inputting data over and over in multiple places
- Reworking cable sizing calculations over and over
- Constantly revising breaker sizes and trip settings
- Constantly revising your estimate as inputs change
- Manually creating your load and panel schedules
- Inaccurate estimates
- Losing data when converting to other CAD platforms
- Hunting for product specifications and cable cut sheets



Contractor

Are you tired of:

- Flipping through endless versions of PDF Drawings
- Manually creating your feeder schedule from multiple data sources
- Constantly updating your Bill of Materials because of changes
- Inaccurate Bill of Materials without product codes
- Manually performing voltage drop, ampacity, and pulling tensions/ sidewall pressure/ raceway fill
- Manually creating estimates over and over as the design changes
- Always being behind schedule



CAD guy

Are you tired of:

- Not being able to leverage electrical design data in your Revit model
- Not being able to leverage automation tools in your Revit model
- Manually entering the engineer's design data into your installation drawings
- Having no way of extracting cable lengths from your model
- Manually tracking engineer design changes as they affect your field drawings



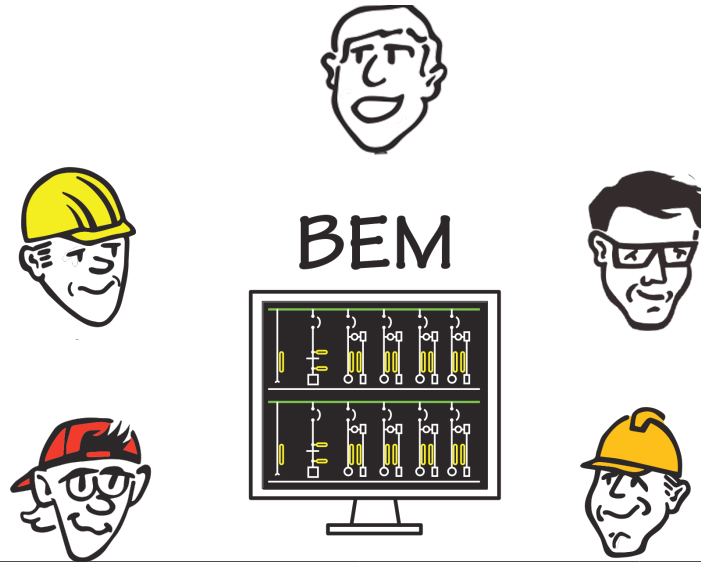
Field Guy

Are you tired of:

- Planning and performing work based on old information
- Slow communication involving feeder design
- Manually conducting your pull planning
- Manually configuring your stacked and paralleled wire reels
- Manually performing pull calculations
- Not being able to accurately track progress
- Manually managing your inventory to determine work schedule



Southwire's BEM™



	Automates	Eliminates	Delivers
Owner	Planning, Tracking, Change Management, Estimating, Material Procurement, Progress Reporting including Visual Review of Installation Progress	Duplicate Data Entry and Surprises	Intelligent BIM Database that represents an accurate as-built
Engineer	One Line Production, Sizing of Cables, Breakers-starters and Trip Settings, Specifying Cables, Control Wiring Diagrams, Estimating, Race Way Design, Cable Routing, Cable and Raceway Bills of Material, Ampacity and Voltage Drop Calculations	Duplicate Data Entry, Disparate Product Information, Cable and Raceway rework, Calculation Errors	Consistent Data for One Lines, Equipment Schedules, Feeder Schedules, 3D Raceway Model that includes Cable Routing with all Information in the Database, Current Product Data Sheets
Electrical Contractor	One Line and Load Data Entry*, Value Engineering Options, Procurement, Accurate Bills of Material		Current Product Data Sheets
Estimator	Quick Bid Estimating with Autorouting, Value Engineering, Dynamic Bills of Material that show the Impact of Changes	Flipping through Plans, Reworking Estimate as the Design Changes	Quick and Accurate Bills of Material
CAD Guy	Tracking Engineer Changes, Sizing Raceways, Extracting Cable Lengths, Incorporation of Revit Tools	Raceway Sizing Rework, Value Engineering Rework, Searching for data for raceway design	3D Raceway and Cable Routing Model with all information in the database
Field Guy	Cable Pull Calculations, Voltage Drop Calculations, Raceway Sizing, Reel Configuration, Progress Tracking, Feeder Schedules, Inventory Reports	Flipping Through Plans, Rework based on slow or inaccurate Communication,	Plan Work and Track Progress based on real and up to date Information straight from the 3D Model, QA Records

*When Electrical Engineers Use BEM

For more information on BEM, please contact:
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