

Answers for energy.

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Power Technologies International

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## Siemens Benefits of CIM in Operations

### Benefits

- Exchange/aggregation of models from diverse sources
  - Network models
  - Market models
  - SCADA models
  - Etc.
- Aggregating different models' information together into another model
  - Model components can be multi-sourced (build model from several different types of input models)
  - Single network model used across network applications, markets, etc.
- Provides common terminology for discussions among modelers

### Used in Siemens'

- Common Model Management System (CMMS)
- Spectrum series products
- PSS®E and MOD® product lines

## Siemens Benefits of CIM in Planning

### Benefits

- Exchange/aggregation of network models from diverse sources and vendors
- Extracts data conversions to a common model – eliminates need for mutual understanding of each vendor's format
- Provides rationalization basis between operations and planning network models
- Allows exchange with planning/engineering auxiliary software to obtain planning model components
- Sets up a mechanism for coordinating models across large areas with different modeling practices
- Provides common terminology for discussions among modelers

### Used in Siemens'

- PSS®E, PSS®MUST and MOD® product lines
- Common Model Management System (CMMS)

## Siemens Benefits of CIM for Dynamics

### Benefits

- Exchange/aggregation of dynamic models from diverse sources and vendors
- Extracts data conversions to a common model – eliminates need for mutual understanding of each vendor's format
- Provides for “standard” and “user” model exchange
  - Standard models follow industry standards
  - “user” model exchange is abstracted for vendor or user-specific code
- Provides a basis for multiple model and engineering data sources to provide dynamic model data
- Sets up a mechanism for coordinating models across large areas with different modeling practices
- Provides common terminology for discussions among modelers

### Used in Siemens

- PSS®E and MOD® product lines
- Common Model Management System (CMMS)
- Spectrum series modeling and training simulators

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