FasBAC for Energy Enterprise Edition

Facts:

- Utility bills are based on peak demand
- Heating, Cooling and Lighting typically make up more than 80% of a building's energy bill

Question:

« Can we really afford an increase to our utility bill from operating non-essential equipment during peak demand periods? »



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FasBAC for Energy - Enterprise Edition is designed to collect energy data from the Carma Industries METER MANAGER[™] system and store it in an enterprise database—making the data available for advanced analysis and long term archiving.

The Carma Industries METER MANAGER[™] system is an electronic energy monitoring and data collection system. By bringing meter data into an enterprise database, you are able to take charge of energy usage.

The METER MANAGER[™] system is Measurement Canada approved for submetering and tenant billing.

FasBAC for Energy - Enterprise Edition is an enhanced version of AFDtek's proven FasBAC for Energy BACnet interface for the METER MANAGER[™] system. FasBAC integrates with the Carma system's data logging features to ensure the reliable collection and storage of data. FasBAC will detect interruptions to data collection or storage and will automatically retrieve data of the interruption period and bring the database up to date.

FasBAC for Energy - Enterprise Edition stores data in a format compatible with the requirements of an E-VEE: Electric Validation and Editing Engine.

The BACnet interface continues to be available for its traditional role, that of realtime integration of energy meters into a BACnet Building Automation System (BAS). In addition, it provides the capability, through the BAS, to alert the enterprise to interruptions to data collection.



Features and Benefits	
Features	Benefits
 Provides support for Microsoft SQL and Oracle data- bases—the choice is made at installation time 	• Providing the user with the choice of support for either of the two most commonly used enterprise databases will, in most applications, permit FasBAC to utilize an existing enterprise database server
Uses stored procedures to interact with the enterprise database	• The use of stored procedures isolates FasBAC from the details of the database architecture, enabling the enter- prise to store the data in a schema of their choice
 Delivered with pre-configured "empty" SQL and Oracle databases 	 FasBAC is ready to go, right out of the box—simply attach a copy of the empty data base to an existing database server
 Integrates with the Carma METER MANAGER™ system's data logging features 	 Leverages the data storage features of the Carma data gathering panel to ensure reliable delivery of data to the enterprise
 Integrates with BACnet Building Automation Systems (BAS) 	• Enables the Building Automation System to monitor en- ergy usage in real-time and enables real-time monitoring of the integrity of the enterprise data collection through the BAS event management features
Powerful, yet affordable; suitable for any size of facility	 The system is equally suitable for a single site applica- tion with a single meter or an enterprise comprising hun- dreds of buildings and meters
 FasBAC reads energy data from the Carma system a FasBAC verifies data is successfully written to the e 	

- 3. FasBAC tracks the time stamp of the data last successfully written to the database and compares it to the timestamp of current data. If there is a gap, FasBAC will automatically retrieve older data and fill in the gap.
- 4. Use of the BACnet interface is optional. The reading and writing of data for the enterprise is independent of whether the BACnet interface is used.
- 5. FasBAC for Energy Enterprise Edition uses both the Windows Application Event Log and the objects of the BACnet interface to record and report the status of communications to the Carma system and the enterprise database.

Platform Requirements	
Software Platform	Minimum Hardware Platform Resources
Windows 7, Windows 10, Windows Server 2008 or 2012 32-bit and 64-bit Windows operating systems are supported.	2 GHz processor, or minimum required for the operating system
FasBAC for Energy software may be installed on:	2 GB memory, or minimum required for the operating system
• The Carma Meter Manager workstation computer, or	20 GB free disk space
• If the Carma network does not include a Carma Meter Manager workstation, any computer on the network that is not already a BACnet device	Network connectivity
Supported Da	tabase Servers
Microsoft SQL Ser	ver 2008 or newer

