

# DATA CENTER MANAGEMENT

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FACILITIES & IT POWER MANAGEMENT  
ENVIRONMENT MANAGEMENT  
ASSET MANAGEMENT  
CAPACITY PLANNING & FORECASTING  
INCIDENT & ALARM MANAGEMENT  
OPERATIONAL ANALYTICS & METRICS



## THE COMPLETE DCIM

Built on Industrial IoT principles, GFS Crane DCIM comes with multi-protocol support, such as BACnet/IP, MODBUS/TCP, SNMP and WMI. This allows measuring power consumption and environmental parameters from devices and sensors from different vendors. Integration to MODBUS devices without BMS reduces Total Cost of Ownership, providing better ROI and faster payback for GFS Crane DCIM implementations.



# GFS CRANE DCIM

## DATA CENTER FACILITIES & IT POWER MANAGEMENT

- HT/LT Transformers & Switch Gears
- Diesel Generator Sets
- Electrical Feeder Panels
- UPS & Rectifiers
- Floor, Row & Rack PDUUs
- HVACs & Chillers
- Calculates Multi-Level PUE

## DATA CENTER ENVIRONMENT MANAGEMENT

- Temperature & Humidity (Room and Rack)
- Rack Thermal Mapping
- Cold & Hot Aisle Depiction on 2D/3D Layouts
- Return & Supply Air Temperature of PAC Units
- Differential Pressure
- Air Quality & Emission Reporting

## DATA CENTER ASSET MANAGEMENT

- Discover all Intelligent Assets
- Creates Asset Database (IT & Facilities)
- Draws Power Chain: Power Source to Rack
- Maps Static Attributes from Built-in GFS Manufacturer Repository (OEM Library)
- Tracks Unrecorded Changes in Asset Configuration

## DATA CENTER CAPACITY PLANNING & FORECASTING

- Base-lining Resource Capacity & Usage
- Freeing up Stranded Resources
- Forecasting Future Capacity Needs
- What-if Analysis & Modeling
- Workflow Based Provisioning

## DATA CENTER INCIDENT & ALARM MANAGEMENT

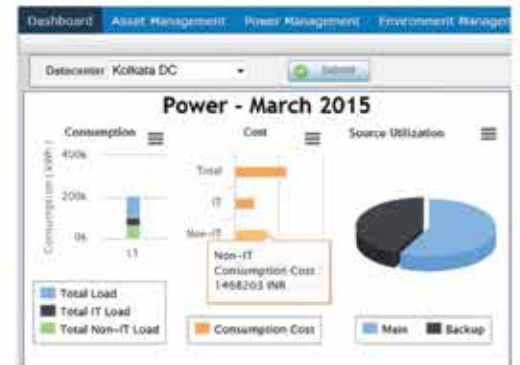
- Multi-level alert settings for devices & parameters
- Alerts sent as SMS, email & to 3rd party ticketing tool
- Live status of devices & alerts displayed on Power Chain
- Consolidated Dashboard for different types of Alarms
- Open/Close Alarm status on Dashboard

## DATA CENTER INCIDENT & ALARM MANAGEMENT

- Dashboard on Metrics: PUE, Space Utilization
- Device-wise Uptime Analysis



Intuitive Dashboard View



PUE Summary View



Electrical Equipment Mapping



2D Data Center Layout View



3D Data Center Layout View

