



# DB AUTOMate

## Transformational **Building Management System**

[www.digitalblanket.net](http://www.digitalblanket.net)

# Introduction

Building Automation is undergoing transformation from ensuring “lights are on” to enhancing employee wellbeing, driving sustainability and improving operational efficiencies. Such transformation needs cannot be met by legacy & proprietary Building Management Systems which are struggling to handle multi-vendor, multi-technology environment with new requirements to support great employee experience driven applications.

DB AUTOMate is a fresh approach towards comprehensive building automation with an IoT driven architecture. It improves command & control, compliances while reducing costs. DB AUTOMate is designed to monitor, meter, manage, measure, benchmark, correlate, alert, analyze and act automatically to drive Digital Transformation.

“

**DB AUTOMate increases building efficiency, sustainability & employee productivity while lowering operational costs**

”

## Powered by Digital Blanket for a SMARTer & HEALTHier Building

DB AUTOMate is built on Digital Blanket Enterprise IoT platform- a unique digital layer that enables automation, integration, benchmarking and analysis to empower your organization’s digital transformation journey. Digital Blanket provides several other Workplace Management Solutions and creates an intelligent correlation layer for Unified Command & Control. Intelligent correlation layer for Unified Command & Control.

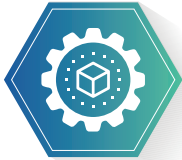


**DB AUTOMate is available in two versions Gold & Platinum**

# Key Features & Benefits AUTOMate Gold



## Integrated Building Automation



AUTOMate provides true convergence by integrating and correlating other building systems like Access Control, Fire Alarm System, Public Address System, CCTV, Lighting Management System, Indoor Air Quality system etc. AUTOMate provides monitoring & AUTOMated policy based controls as well as manual operational controls for the HVAC system components such as Chiller Plant, AHU, VRF, VAV, VFD, Pumps etc.

## Create a Centralized Command & Control



AUTOMate goes beyond the traditional BMS and integrates several buildings and geo-locations as well as multi-vendor IBMS systems to achieve a unified Building Automation Command & Control. Systems can be set to operate on Auto mode with alerts, alarms and AUTOMated actions.

## In-Built Energy Management



AUTOMate has a native module that tracks power consumption by different types of loads ( HVAC, lighting, computer) & monitors quality of power from different source (Grid, DG, UPS). AUTOMate measures energy consumption with alerts based on variations compared to set targets. Automate can schedule and AUTOMate HVAC controls to optimize energy usage. AUTOMate also enables the health monitoring of key power infrastructure such as DG, UPS, Batteries.

## Anytime - Anywhere Control



Unlike traditional BMS systems based on thick client technology that restricts the access to a designated BMS monitoring console, AUTOMate addresses such limitations by providing completely web based & mobile based access.

## Analytical Dashboards & Reports



AUTOMate provides out-of-the-box near real time and personalized analytical dashboards and reports. Access is provided based on configured access restrictions and privileges assigned to the profile of the user for view to specific floor or building or specific systems (AHU, UPS, Chiller Plant etc.) or services (HVAC, Lighting, Energy etc.).

# Key Features & Benefits AUTomate Platinum



## Compliance - Benchmarking & Baselineing



AUTomate Platinum is transformational. Its industry first benchmark and baseline feature provide an opportunity to compare performance of your systems viz-a-viz established Energy, HVAC & Air Quality standards such as ASHRAE, WELL, LEED & ECBC. Performance targets can be set in accordance with these standards or can be customized as per your own internal standards & measured for continuous improvement and compliance.

## Healthy Buildings



AUTomate Platinum AUTomates the measurement of Healthy Building parameters to improve the health, well-being & productivity of the occupants. AUTomate Platinum enables the healthy building monitoring through automation of the measurement, thresholding, baselining, control and alerts for most Healthy Building parameters such as Ventilation, Air Quality, Thermal Health, Water Quality, Noise, Lighting etc. as published by many research and standards organizations (Harvard T.H. Chan School of Public Health, WELL etc.).

## AHU Optimizer



AUTomate Platinum monitors functionality of AHU & VFD drives as well as key parameter settings in DDC configurations to alert on anomalies in near real-time. These alarms include: Delta T Mismatch, CO<sub>2</sub> level, temperature levels, pressure levels, blower status, chilled water valve status, duct leakages, chiller pump status etc.

# AUTomate Key Differentiators

Area	Other IBMS Systems	DB AUTomate Gold & Platinum
Healthy Building	Lack of focus on building health parameters	Compliant with Healthy Building Standards like Harvard healthy building framework & WELL improving employee wellbeing and productivity
Baselining & Benchmarking	Baselining and benchmarking is not available	Allows continuous comparison against established for Energy, HVAC and Air Quality such as ASHRAE, WELL, LEED & ECBV
AHU Optimization	Real-time alerts on anomalies not available	Monitors AHU functionality, sequencing and DDC configurations to alert on anomalies in near real-time & improve AHU functionality & hence reduce energy
Dashboard	Display only current status with no reporting on historical trends for making informed decisions. Systems do not support role based access and provide reporting for the operators alone	Provides real-time status as well as historical trends of key parameters. Role based dashboards are available for CXO, Managers as well as Operators are provided out-of-the-box
Protocols	Modbus, BACnet, OPC and proprietary OEM system protocols are supported. Emphasis is on connecting devices through DDC controllers. New age integration mechanisms such as Web Services, API, Database, Email, SNMP etc. are not supported	Supports legacy protocols such as Modbus, SNMP & BACnet. The platform has native supports for other protocols such as ZigBee, Web API, Database, ISAPI, Email, SNMP, BLE, WI-Fi, RFID, AMQP, MQTT, I2C etc.
Energy Information System	Independent system for energy metrics, which is charged separately.	Out-of-the-box module for energy tracking, reporting & saving
Technology	Legacy architecture and framework restricting multi-device connectivity & data visibility across locations/facilities and stakeholders	Built on Digital Blanket Enterprise IoT Platform offering a centralized command & control with multi device accessibility & real-time data visibility across locations, sites & buildings
Connectivity	Prefers OEM supplied controllers for connectivity	AUTomate can work with any BACnet Over IP or Modbus enabled controller without dependence on any vendor
Deployment	Mostly On-premise deployment	Supports on premise deployments as well as cloud deployment
Multi-device Support	Not Available	Multi-device support such as mobile, iPad, web for anytime access
Branch Deployments	Independent deployments across location and lacks a unified view	Centralized Command & Control with multi location access & visibility
Ticketing System	Currently IBMS system is a standalone system and does not have native ticketing tool	Native integration with Techmate for issue management. Can integrate with any third-party ticketing solution
Integrated Platform	Limited functionality for BMS only	Complete Smarter Workplaces Platform, which provides flexibility to deploy various solutions such as IBMS, Space, Energy, Visitors, Facility Management, Safety & Security etc. on the same IoT platform. This can be deployed one time or in phases

## DB-AUTOMate Benefits



- Improve efficiency, effectiveness and reduce wastage
- Improve employee health & well-being boosting productivity
- Improve energy efficiency & compliance with industry standards
- Create centralized command and control for all your buildings and campuses and enable easy and simplified performance management
- Reduce infrastructure as well as maintenance costs by **10% to 30%**
- Improve facility operations staff efficiency by over **50%**

## Dashboard Screenshots



## Contact Us

📞 080-25633803

✉ connect@flamencotech.com

🌐 www.digitalblanket.net

📍 #731, 1<sup>st</sup> Floor, 7<sup>th</sup> Cross, 3<sup>rd</sup> Block, Koramangala, Bengaluru, Karnataka-560034