JOHNSON CONTROLS ENTERPRISE MANAGEMENT:
AN E-BOOK OF CUSTOMER STORIES

Johnson Controls

JOHNSON CONTROLS ENTERPRISE MANAGEMENT

Enterprise Management is an open, scalable, comprehensive analytics platform with Cloud-based versatility. Building owners and managers can optimize building performance by monitoring equipment, managing energy consumption, and efficiently utilizing available space.

The platform offers applications that provide you with actions and insights that identify issues and faults, pinpoint inefficiencies, and give tenants control of comfort and convenience features. Tailor the platform with the applications that fit the specific needs of your enterprise. Not only will it help you reach energy and sustainability goals, it will help you exceed one of your most important goals – occupant satisfaction.
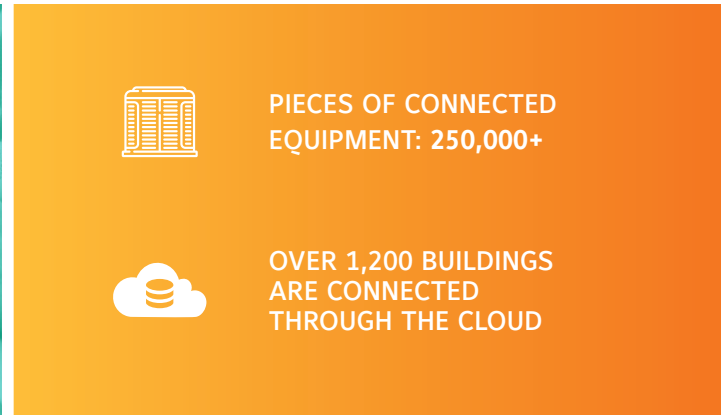

ENERGY MANAGEMENT

SMART EXPERIENCES & SPACE PERFORMANCE

SPACE PERFORMANCE

DATA VISUALIZATION WIDGETS

ENTERPRISE MANAGEMENT APPLICATIONS

ASSET PERFORMANCE & MAINTENANCE MANAGEMENT

FINANCIAL HEALTH & UTILITY BILL MANAGEMENT

KIOSK

TENANT MANAGEMENT

Johnson Controls

JOHNSON CONTROLS ENTERPRISE MANAGEMENT PROJECT HIGHLIGHTS

HIGHLIGHTS REFLECT 2 YEARS OF DATA

ENTERPRISE MANAGEMENT SERVES ANY INDUSTRY

- HEALTH CARE
- EDUCATION
- OFFICES
- STADIUMS /ARENAS
- GOVERNMENT
- HIGH TECH/LIFE SCIENCE
- MANUFACTURING/ INDUSTRIAL
- RETAIL
- TRANSPORTATION
- OTHER

INSTALLED AROUND THE GLOBE IN 6 CONTINENTS

TRANSLATED INTO 9 DIFFERENT LANGUAGES

OVER $10M OF ENERGY SAVINGS

PIECES OF CONNECTED EQUIPMENT: 250,000+

OVER 1,200 BUILDINGS ARE CONNECTED THROUGH THE CLOUD

OVER 9000 GLOBAL RULES IN USE FOR FAULT DETECTION AND DIAGNOSTICS

500,000+ POINTS CONNECTED

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VERTICAL MARKET
HIGHER EDUCATION

HEADQUARTERS: Atlanta, GA, U.S.

LOCATIONS: 1 Campus, 4 Buildings, 400 Acres, 15,573 students

CUSTOMER MOTIVATION: Visibility and management of entire campus

It had a total undergraduate enrollment of over 15,500 and a campus size of 400 acres. The sheer volume of occupants and buildings maintained on the campus made Enterprise Management an ideal solution for energy management and predictive maintenance. In the first phase of installations, the campus commissioning team used the platform to detect faults in equipment and energy. This resulted in annual utility spend decreases, a fast ROI and identification of issues to solve proactively rather than reactively.

4 MONTH ROI

FIRST PHASE PRODUCED A RETURN ON INVESTMENT IN JUST 4 MONTHS
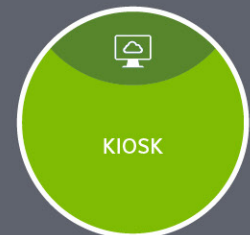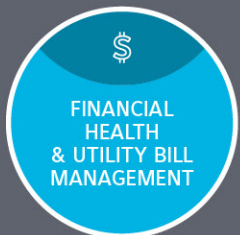
70 WORK ORDERS

APPLICATION RECOMMENDED 70 CORRECTIVE WORK ORDERS IN THE FIRST 9 MONTHS

$90K+ SAVINGS

ENERGY MANAGEMENT AND FAULT DETECTION DIAGNOSIS HAVE TRENDED $91K+ ANNUAL ENERGY & MAINTENANCE COST AVOIDANCE

JOHNSON CONTROLS ENTERPRISE MANAGEMENT APPLICATIONS INSTALLED:

- FINANCIAL HEALTH & UTILITY BILL MANAGEMENT
- ENERGY MANAGEMENT
- TENANT MANAGEMENT
- DATA VISUALIZATION WIDGETS
- ASSET PERFORMANCE & MAINTENANCE MANAGEMENT
- KIOSK

VERTICAL MARKET
MIXED USE COMMERCIAL

HEADQUARTERS: Sydney, Australia

LOCATIONS: 1 high-rise building with 37 floors

CUSTOMER MOTIVATION: Single source partner who can deliver sustainability

This mixed-use building has multiple tenants. With premium tenants, customer's key requirements included tenant billing for after hours, and the ability to pinpoint energy and operational efficiencies to retain their year-on-year 5 Star NABERS Energy Efficiency rating. Enterprise Management's ability to bring multiple applications together, including our market-differentiating Tenant Management app, made our platform the perfect solutions for this customer.

6 STARS

6 STAR "GREEN STAR" RATING
5.5 STAR "NABERS ENERGY" RATING
GOLD "WELL BUILDING" RATING

600,000 KWH SAVINGS

$

600,000 KWH & $13,500 SAVINGS PER MONTH

5 HIGH EFFICIENCY CHILLERS

MONITORS 5 HIGH EFFICIENCY CHILLERS W/1,200 KW TRI-GENERATION PLANT

CUSTOM FAULTS DESIGNED TO PREDICT WATER USAGE OF REUSABLE RAIN & SPRINKLER TEST WATER

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VERTICAL MARKET TECHNOLOGY

HEADQUARTERS: Bengaluru, Karnataka, India

LOCATIONS: Focus on large footprint in India. Second phase will expand to over 200 buildings in 10 cities in India

CUSTOMER MOTIVATION: Consolidating information to arrive at actionable insights and drive energy savings

Managing a large facility through a traditional Building Automation System (BAS) interface was a challenge for this customer, despite having invested in over 2000 meters on site. They needed to monitor usage, but close the loop in the operational cycle where actionable insights would lead to campus-wide energy reduction. This is where Enterprise Management came in. Using our advanced Fault Detection and Diagnostics, plus integrated work orders, helped them embark on a data-driven approach to avoid leakages, improve efficiencies and optimize operations. This robust set of applications is a clear differentiator for Enterprise Management in the market.

OVER 50,000 POINTS

OVER 2000 METERS & 50,000 DATA POINTS MONITORED

BAS AGNOSTIC

INTEGRATED FLUIDLY WITH 3RD PARTY BUILDING AUTOMATION SYSTEM

6 MILLION SQUARE FEET

IMPLEMENTED IN 21 BUILDINGS WITH 6 MILLION SQUARE FEET OF OCCUPIED SPACE

JOHNSON CONTROLS ENTERPRISE MANAGEMENT APPLICATIONS INSTALLED:

FINANCIAL HEALTH & UTILITY BILL MANAGEMENT

ENERGY MANAGEMENT

DATA VISUALIZATION WIDGETS

ASSET PERFORMANCE & MAINTENANCE MANAGEMENT

VERTICAL MARKET
REAL ESTATE

HEADQUARTERS: Singapore

LOCATIONS: 9 Corp offices, properties in 28 cities

CUSTOMER MOTIVATION: Proof of Concept for enterprise visibility

A leading sustainable urban development and business space solutions provider with assets under management exceeding $20 billion was struggling to maintain an enterprise view of their portfolio, and had a 'museum' of many different Building Automation Systems. They strive to maintain operating efficiencies over their scale and geographical spread, while ensuring tenant satisfaction through world-class facilities. Seeing a proven superiority in our solution over the competition, the customer decided to implement Enterprise Management in India, and launched discussions to expand to the China campuses and other global locations.

120,000 POINTS

OVER 5000 METERS & 120K DATA POINTS MONITORED

BAS AGNOSTIC

ABLE TO BRING TOGETHER CUSTOMER'S 'MUSEUM' OF BAS FROM MULTIPLE VENDORS FROM DIFFERENT PERIODS

22 MILLION SQUARE FEET

INDIA LOCATION COVERS 22M SQUARE FEET ACROSS 40 BUILDINGS

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VERTICAL MARKET
MIXED USE COMMERCIAL

HEADQUARTERS: Hong Kong, China

LOCATIONS: 1,200 branches

CUSTOMER MOTIVATION: Visibility & management of entire building portfolio

This customer was looking for an open source enterprise system to provide a single source of analytics across their large portfolio. They wanted the ability to pinpoint energy and operational inefficiencies and display the results in a kiosk to increase employee engagement, among other things. Johnson Controls Enterprise Management met the goals of reducing energy usage intensity across the portfolio, engaging employees, activating their customer experience center with smart meeting room capabilities, and measuring/verifying utility bills.

INTEGRATED APPLICATION OUTSIDE BUILDING AUTOMATION SYSTEM USING BACNET IP

CREATED FRAMEWORK MEASURING & VERIFYING ELECTRICITY, WATER, THERMAL USAGE, & OWNER BILLS
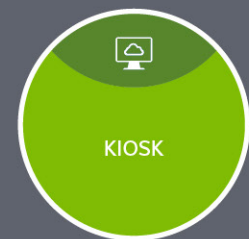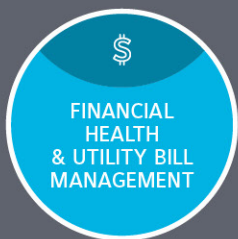
COOPERATIVE SUCCESS

CUSTOMER & FACILITY MANAGEMENT COMPANY ENRICH THEIR RELATIONSHIP IN ACHIEVING MUTUAL GOALS

70 COUNTRIES

CUSTOMER BRANCH LOCATIONS SPANS 70 COUNTRIES

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Now that you've seen the proven successes featured in this e-Book, contact us to learn how we can do the same for you.

www.johnsoncontrols.com/digital

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Johnson Controls was recognized as a
Fortune 100 Change the World partner.