

Case Study

Advant Navis Business Park: iBEMS (full stack)



Type of Buildings: Commercial Building

Area: 8.50Lacs Sq. Ft

Building: Commercial Building with 2 Towers of 15 Floors each

Data points: Hard Points - 2450, Soft Points - 3375

Meters Connected: 466 Nos.

Project Overview

Advant Navis Business Park is a hub for huge global firms and top brand outlets due to its unique infrastructure and central location. Two towers of Advant Navis Business Park spread in 8.50Lacs Sq. ft area are now occupied while three more towers spread in additional 6Lacs Sq. ft area are under construction. It has received LEED-Gold certification by the U.S. Green Building Council (USGBC), becoming one of the first of its kind in India.

The building contains both commercial office and retail space. The building contains a significant number of electro-mechanical systems and sub-electrical meters which are connected to the IOTomation's iBEMS (intelligent Building & Energy Management Solution).



The Solution

- Building Management Systems
- Energy Management Systems
- Prepaid Metering System
- Access Control System
- Parking Management System
- Visitor Management System
- Control and Monitoring of parking ventilation and CO gas signalling system
- Integration of Chillers, Power Meters, DG's etc.

The Result

<p>Occupants Comfort</p> <p>Better Temperature & Humidity Control Better Identification and Solutions Good Air Quality</p>	<p>Approx. 40% complaint reduction (through ticketing system) from the occupants</p> <p>Good air quality and concert has increased employees productivity</p>
<p>Energy Savings</p> <p>Better scheduling of Equipments Eliminates wastage</p>	<p>Scheduling of equipments has reduced 8-10% of total energy consumed</p> <p>Real time alerts, anomalies and monetising every day wastage has reduced energy consumption by 10% in 2017, while 15% in 2018</p>
<p>Improved Equipment Health</p> <p>Real Time alerts for Timely Maintenance Efficient Controls - Less Wear & Tear Preventive & Predictive Maintenance</p>	<p>Around 30-35% increase in equipment life due to regular preventive maintenance & fault analysis done through real time data</p>
<p>Manpower Efficiency</p> <p>Less People can Operate the Buildings Real Time Alerts and Reports Fixes Responsibility</p>	<p>At present the operation and maintenance team size is only 68, saving almost 58% of total cost</p> <p>The reports and automatic escalation through system helps in improving productivity and faster response time</p>

IOTomation Ecotech Pvt. Ltd.

Website: www.iotomation.in | **Email:** sales@iotomation.in | **Phone:** +91 7290025051/52, +91 120 4791424