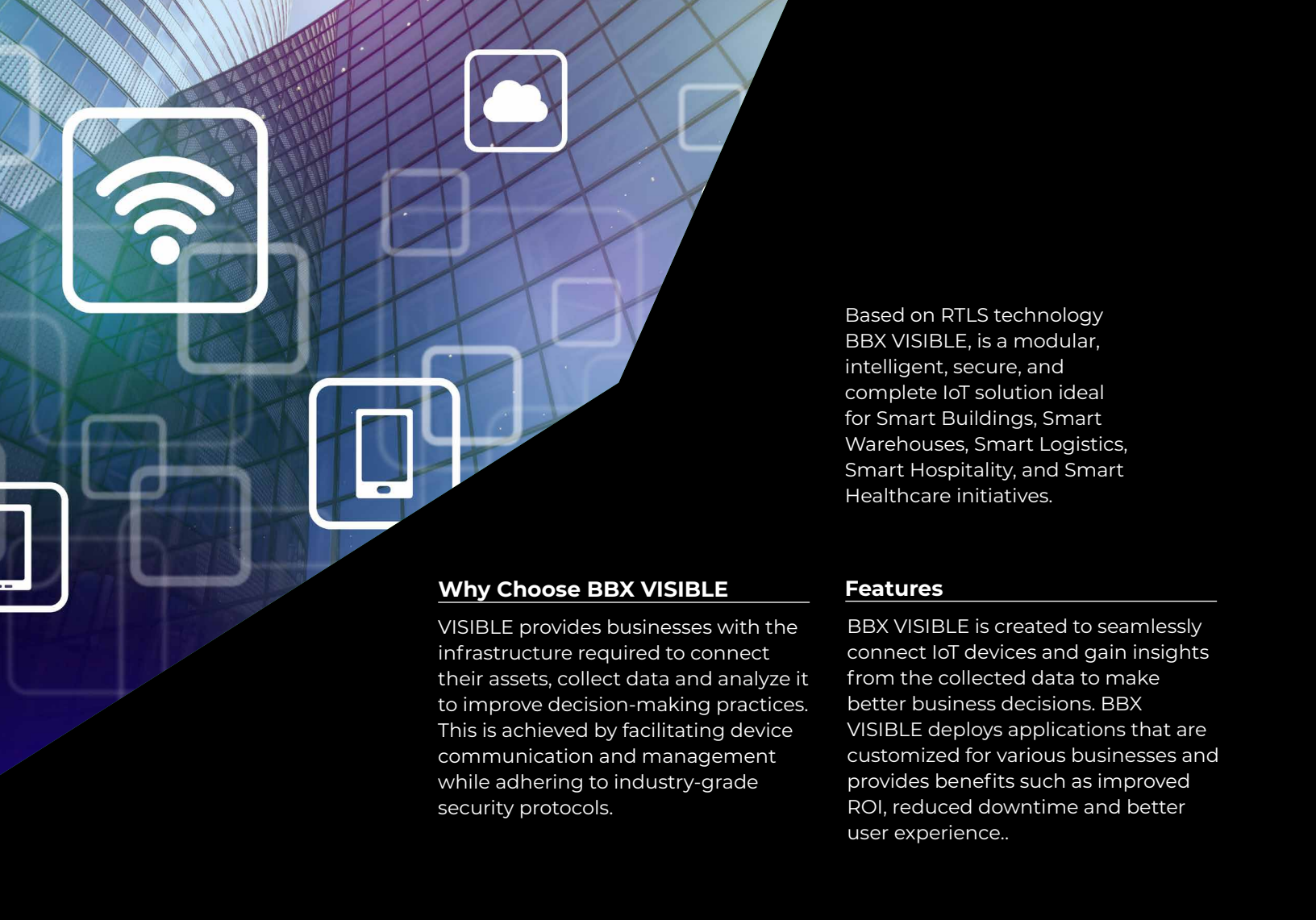


BBX VISIBLE IoT Platform

Supporting Your Digital Transformation





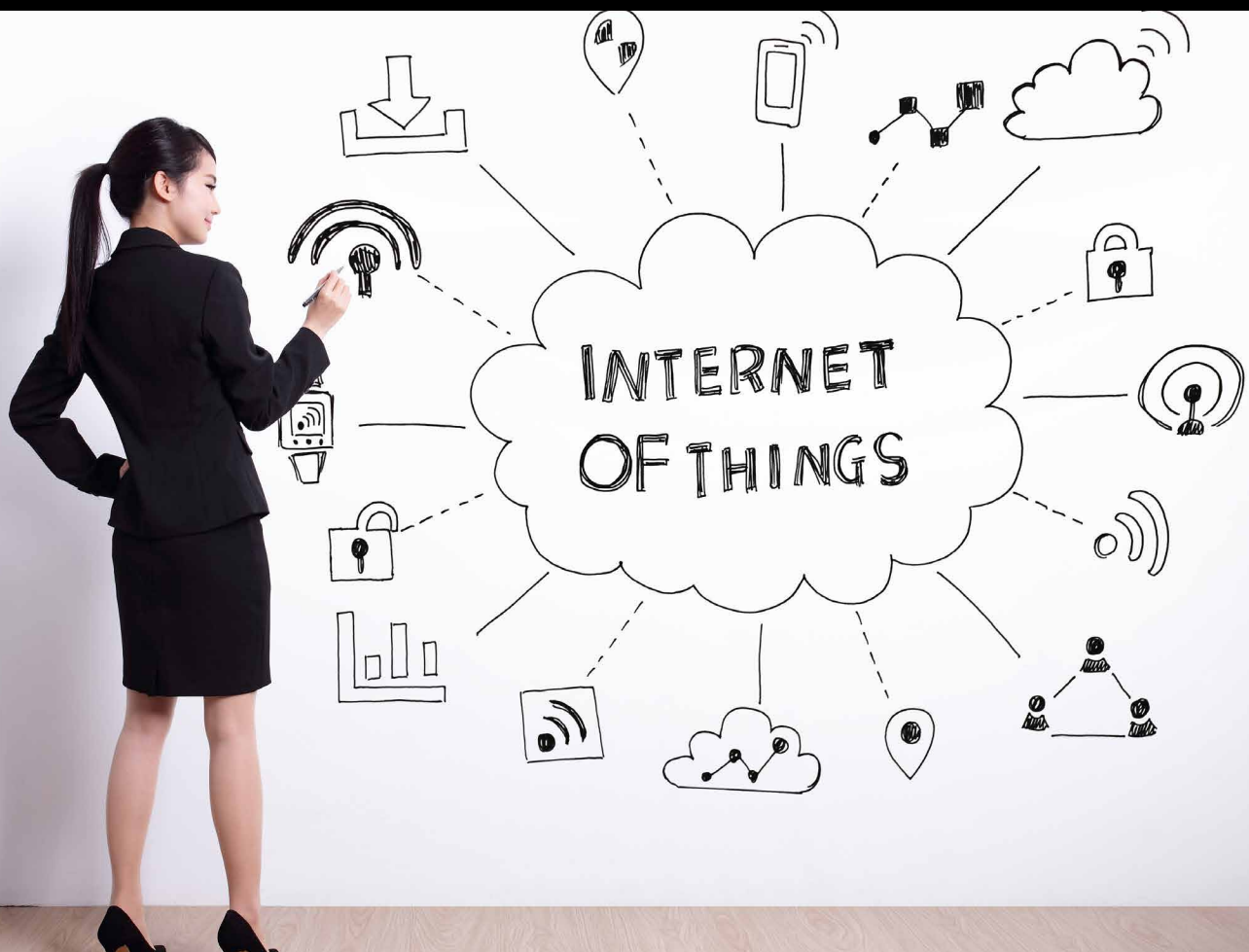
Based on RTLS technology BBX VISIBLE, is a modular, intelligent, secure, and complete IoT solution ideal for Smart Buildings, Smart Warehouses, Smart Logistics, Smart Hospitality, and Smart Healthcare initiatives.

Why Choose BBX VISIBLE

VISIBLE provides businesses with the infrastructure required to connect their assets, collect data and analyze it to improve decision-making practices. This is achieved by facilitating device communication and management while adhering to industry-grade security protocols.

Features

BBX VISIBLE is created to seamlessly connect IoT devices and gain insights from the collected data to make better business decisions. BBX VISIBLE deploys applications that are customized for various businesses and provides benefits such as improved ROI, reduced downtime and better user experience..



How Can BBX VISIBLE Help You?



Connected Assets

Asset Management & Traceability
Asset Efficiency & Optimization
Inventory Optimization Condition
Monitoring



Connected People

Industrial Workers Safety
Labour Management &
Optimization
Occupancy Management
Evacuation Management
Hot Desking
Wayfinding - Indoor Navigation



Energy Monitoring

Operational Efficiency & Productivity
Energy Management &
Optimization
HVAC Management
Lighting Management



Predictive Analytics

Condition Based Monitoring
Predictive Analytics
Maintenance Alerts



Air Quality Monitoring

Room and Zone-wise micro
environment monitoring
Alerts for Air Quality
Degeneration

Additional Modules Provided by BBX VISIBLE



Equipment



Solar



Illumination

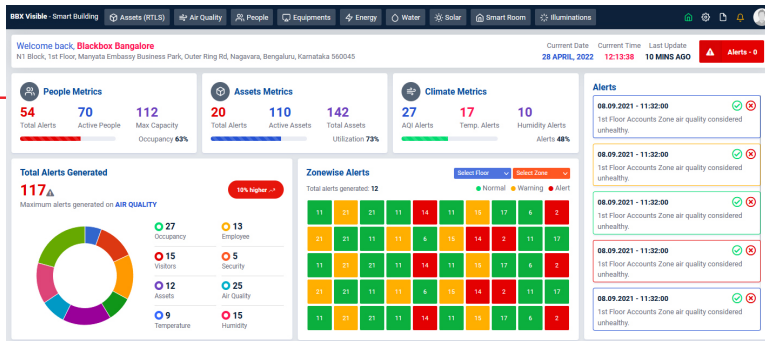


Water



Compatible with all major IoT cloud systems, BBX VISIBLE IoT Cloud dashboards are designed while keeping the users in mind. The modular design of BBX VISIBLE allows the user to choosing important modules as building blocks, and place them on the top. Modules in BBX VISIBLE include People, Assets, Air Quality, Equipment, Solar Energy, Illumination, Electrical Energy, and Water.

The Alerts Section is on the main dashboard, which can come from either people in distress or malfunctioning asset and equipment.



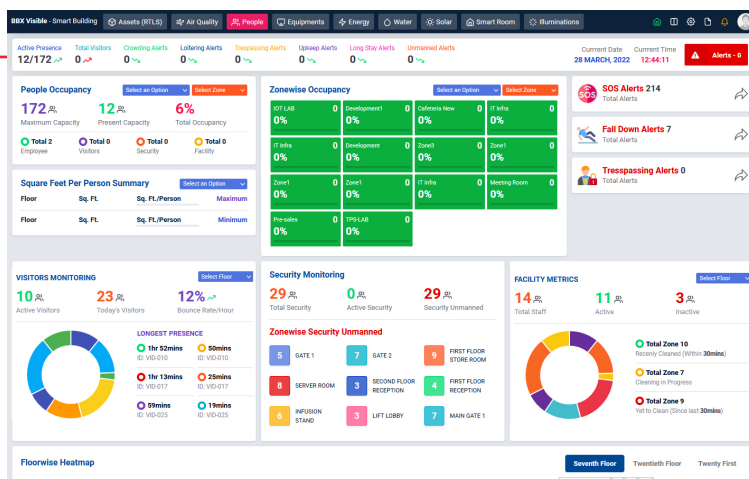
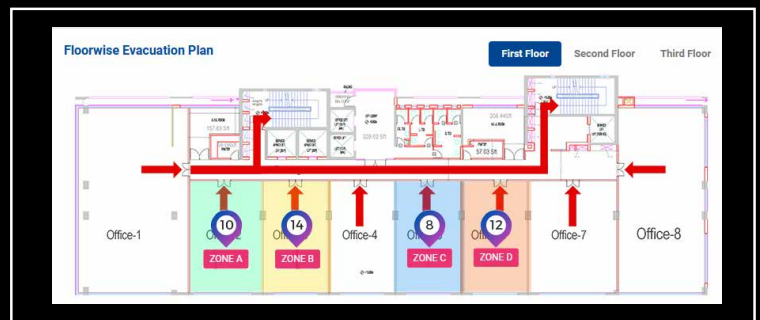
Dashboard

The BBX VISIBLE Modular Dashboard visualizes and highlights the most important metrics based on your priorities.

Whether there is an SOS from a person, any malfunctioning asset or if there is an abnormal change in air quality inside the building due to high carbon dioxide levels - BBX VISIBLE enables you to quickly react based on automated alerts.

BBX VISIBLE Mustering and Emergency Evacuation Module

During any emergencies, evacuation is the primary safety drill that becomes urgent. RTLS based evacuation system on BBX VISIBLE dashboards helps the rescue team locate any person left in any of the corners of the building, locate the person, and save lives.



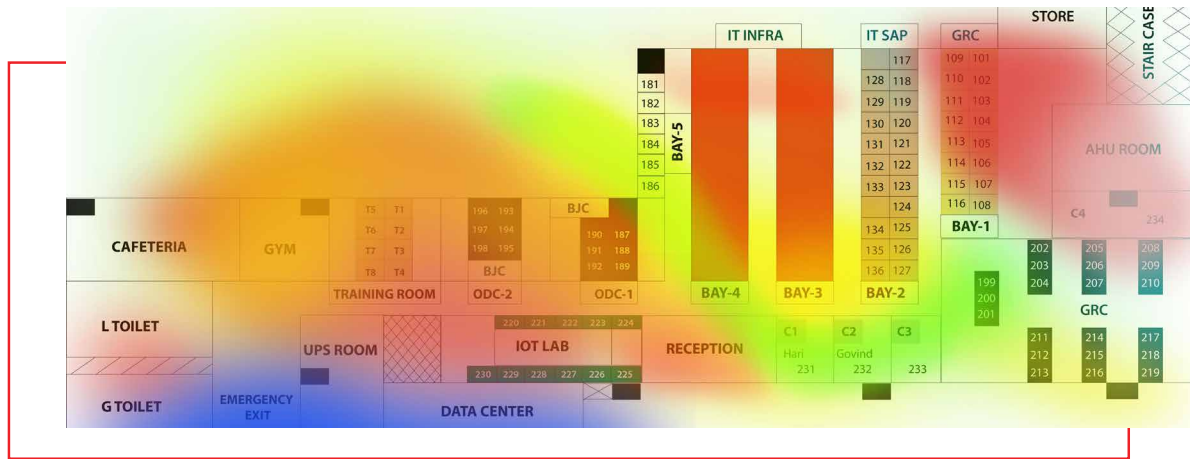
BBX VISIBLE People Module

As with all modules, the most important metrics at the top of the module overview page. In the People Module, zone-wise analytics of each of the floors is displayed prominently and intuitively.

Other metrics include occupancy of each of the rooms and areas, employee productivity, visitor management, security monitoring, and monitoring facility upkeep and maintenance.



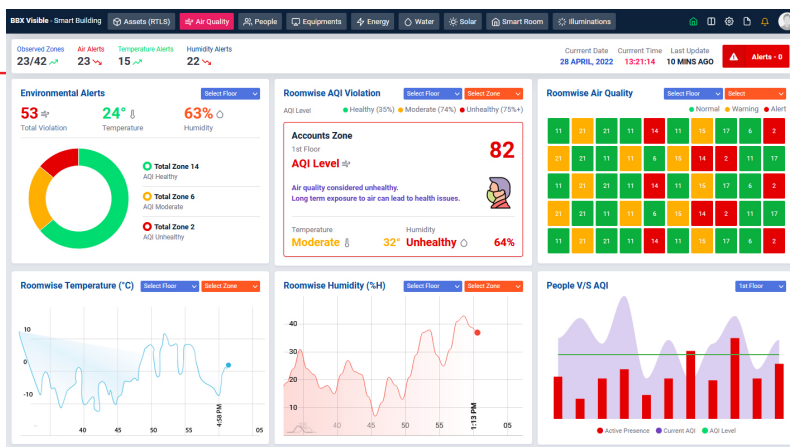
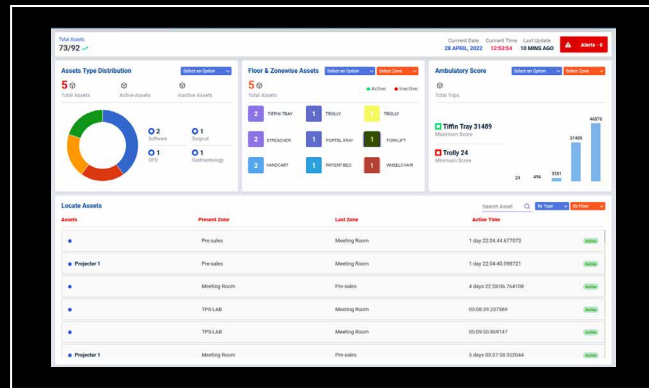
Floor-wise Heatmap of People in Different Zones:



BBX VISIBLE Asset Module

Location of assets in real time, management of their utilization, maintenance of assets and equipment for predictive maintenance are the key features of this module.

This module allows operators to locate movable and ambulatory assets at a single click.



BBX VISIBLE Air Quality Index Module

Managing air quality of workplaces and customer areas is becoming increasingly important for safety and productivity reasons.

Office buildings, retail stores, factory floors, and hospitals are just some examples where air quality needs to be monitored in real time.

On top of that, temperature and humidity management is essential for warehouses and food processing.

Other BBX VISIBLE Cloud modules:

- **Equipment** – Predictive Maintenance and Utilization
- **Solar Energy** – Measure and analyze with ease
- **Illumination** – Visualize and control illumination throughout the building
- **Energy** – Visualize metrics, measure, and analyze to reduce waste of energy
- **Water** – Reduce wastage of water



ABOUT BLACK BOX

Black Box® is a trusted IT solutions provider delivering cutting-edge technology products and world-class consulting services to businesses across the globe in every industry. The breadth of our global reach and depth of our expertise accelerate customer success by bringing people, ideas, and technology together to solve real-world business problems.

