



Multi- Building Management System for Bengaluru, Karnataka

Client Details

The Karnataka Fire and Emergency Services department is a department of the Government of Karnataka that is the foremost disaster management body for Karnataka, India. The department aims to provide effective Fire Prevention, Fire Fighting and Safe Evacuation measures to Life and Property by deployment of IOT enabled Fire Safe Smart City solution. This solution is deployed across a number of major commercial complexes in the city, including hotel, hospitals, malls, residential complexes, Office buildings and more.

This system is intended to serve all the stakeholders within the buildings and at various levels of the Fire Department who manage fire safety and are the emergency responders to the incidents across the City or State. The solution enable continuous remote monitoring of existing fire panels, pumps and more.

Some of the marque commercial complexes where this solution have been deployed include:

- Columbia Asia Hospital
- Aster CMI Hospital
- Manipal hospital
- Orion Mall
- Garuda Mall
- Mantri Square Mall
- Phoenix Market City
- World Trade Centre
- GE

BuildTrack System Overview

The System is deployed to enable remote capture & monitor information related to Fire Panel's critical operating parameters:

- Managing Information for Fire Panels & Sprinkler Systems for each buildings.
- Managing of Critical Compliance documentation by building (NOC, CC and OC, Commissioning Report, As built Drawings)
- Monitoring Fire Panel working status.
- Monitoring Fire events as recognized by the Fire Panel
- Monitoring when water pressure of the Sprinkler System crosses threshold value.

System also enables management of Fire Safety processes:

- Dispatch of Fire tenders and monitoring of their routes in course of a Fire event.
- Initiation of Notices to Buildings with non-operating Fire Panels & low water pressure
- Notification to building managers Via (Email, Android/iOS notifications) about the Audit compliance and any event specific notification on monitored fire panel/sprinklers
- Escalation on un-acknowledged panel events to respective Fire Department Authorities

Features of Fire Safe Smart city System

- **Monitoring:**

- Monitoring working status of Fire Panels
- Monitoring of Fire event status of Fire Panel
- Monitoring water pressure of wet riser system.
- Launching CCTV cameras of Property or Streets new to the events.
- Monitoring Fire Tender Movements during Incident

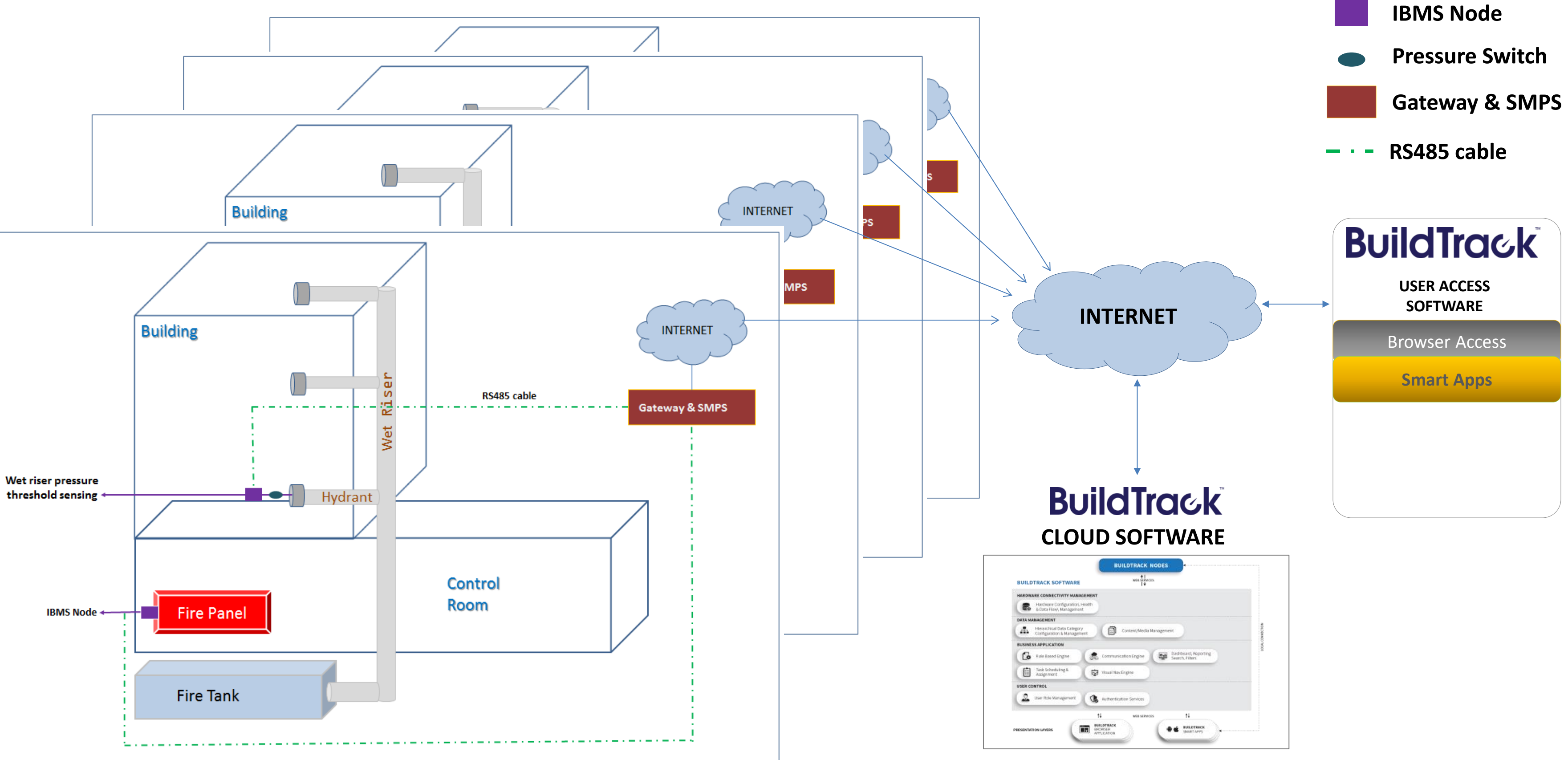
- **Actions:**

- Launching building related Layouts & Escape plans.
- Notifying Contact details (Email, Device)

- **Management of Safety:**

- Management of Critical Compliance documentation by building (NOC, CC and OC, Commissioning Report, As built Drawings)
- Initiation of Notices to Buildings with non-operating Fire Panels & low water pressure
- Management of Contact details of Building occupants & Care Takers with nearest Fire Station details
- Information Keeping of Rescue Stations and Managing Fire Tender Vehicles
- Handling Contracts, Preventive Maintenance & Repair Request

Architecture: IOT enabled Fire Safety Smart City



BuildTrack App

DASHBOARD

☰ MAP VIEW
👤

FIRE EMERGENCY

🔥 ORION MALL
📍
➔

🔥 GE
📍
➔

🔥 MANIPAL HOSPITALS
📍
➔

COMPLIANCE ALERTS

🕒 ORION MALL
📍

FIRE SYSTEM ISSUES

📄 ORION MALL
📍
➔

📄 PHOENIX MARKET CITY
📍
➔

📄 MANIPAL HOSPITALS
📍
➔

IOT SYSTEM HEALTH

📶 WORLD TRADE CENTRE
📍
➔

📶 COLUMBIA ASIA HOSPITAL
📍
➔

📶 GE
📍
➔

PROPERTIES & ASSETS

FILTER ▾

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WATER TENDER - KA 42G
11, DEVARAJ, 9141269394

Orion Mall

Address : Dr Rajkumar Rd, Subramanyanagar, 2 State, Rajaji Nagar, Bengaluru, Karnataka - 560055.

Property category : Commercial

Approx. Occupancy Count : 150

Prone to fire class : Class A, Class B, Class C, Class D, Class E

No. of Floors : 4

Emergency Contact : 080-26487965

No of fire panel : 5

NOC Due Date : 2019-08-30

NOC Issue Date : 2016-01-01

Fire Inspector Name : Ram

Fire Inspector Contact : 9869238980

Type of System Protection : Fire Hydrant

Type of System Detection : Addressable

Architect Name : Neo

License Number : 123456789

BuildTrack App

MONITORING

LIST VIEW - ORION MALL

SENSORS

- FIRE
- PANEL FAULT
- PRESSURE DROP

EVENT LOG

FIRE EMERGENCY | FIRE SYSTEM ISSUES | ARCHIVE

Show 10

EVENT ID	EVENT TYPE	EVENT NAME	STATUS	PROPERTY NAME	DATE & TIME	DURATION	ACTIONS
45608	Fire	Manipal-Fire	Triggered	Manipal Hospitals	26 Sep 2019 10:45:39 PM	2 weeks Ago	ACTIONS
45280	Fire	Fire	Triggered	Orion Mall			
45221	Fire	Mantri - Fire	Triggered	GE			

Showing 1 to 3 of 3 entries

ACKNOWLEDGE EVENT

SENSOR

EMERGENCY CALL

CAMERA VIEW

EXIT PLAN

MONITORING

ALERT MESSAGE

Active APT 20 >> Kitchen

Active APT 19 >> Hall

BuildTrack

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