ALARM

DATA

BUILDING

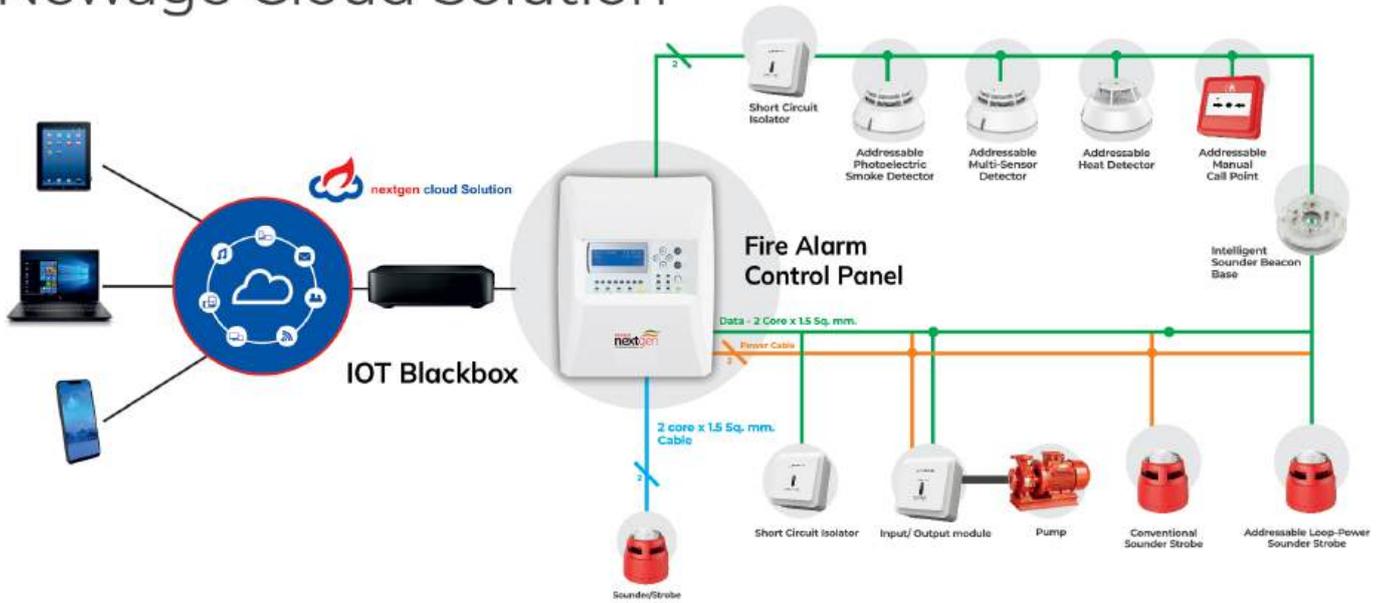# NewAge IoT solution to monitor Fire Alarm System in real-time.

IoT gateway devices could also find their role in the Fire Detection & Alarm sector. It can be used for monitoring the location and provide status of FAS data which are obtained from smoke sensors. It not only helps in Fire Alarms providing fire status & Fault status. it can also be utilized to monitor health of Fire Alarm System.

Tailor made solutions for every need!

Sr. No.	Normal	Fire	Fault	OH Tank	UG Tank	Pump 1	Pump 2	Captured On
1	Yes	No	No	50 %	50 %	Off	Off	05:28 am 20-Mar-2025
2	Yes	No	No	50 %	100 %	Off	Off	05:23 am 20-Mar-2025
3	Yes	No	No	50 %	100 %	Off	Off	05:18 am 20-Mar-2025
4	Yes	No	No	25 %	100 %	Off	Off	05:13 am 20-Mar-2025
5	Yes	No	No	25 %	100 %	Off	Off	05:08 am 20-Mar-2025
6	Yes	No	No	25 %	100 %	Off	Off	05:03 am 20-Mar-2025

Sr. No.	ARC	Short Circuit	Over Current	Earth Leakage	Over Voltage	Under Voltage	Phase Loss	Phase Reverse	Nutral Loss	Voltage Quality	Load Under PF	High Harmonics	High Inrush	Unbalanced Load	Captured On
1	Normal	Normal	Normal	Fault	Normal	Normal	Normal	Normal	Normal	Normal	Normal	Normal	Normal	Normal	02:15 pm 16-Jan-2025
2	Normal	Normal	Normal	Fault	Normal	Normal	Normal	Normal	Normal	Normal	Normal	Normal	Normal	Normal	02:15 pm 16-Jan-2025
3	Normal	Normal	Normal	Fault	Normal	Normal	Normal	Normal	Normal	Normal	Normal	Normal	Normal	Normal	02:15 pm 16-Jan-2025
4	Normal	Normal	Normal	Normal	Normal	Normal	Normal	Normal	Normal	Normal	Normal	Normal	Normal	Normal	02:14 pm 16-Jan-2025
5	Normal	Normal	Normal	Normal	Fault	Normal	Normal	Normal	Normal	Normal	Normal	Normal	Normal	Normal	02:14 pm 16-Jan-2025
6	Normal	Normal	Normal	Normal	Fault	Normal	Normal	Normal	Normal	Normal	Normal	Normal	Normal	Normal	02:14 pm 16-Jan-2025
7	Normal	Normal	Normal	Normal	Fault	Normal	Normal	Normal	Normal	Normal	Normal	Normal	Normal	Normal	02:14 pm 16-Jan-2025
8	Normal	Normal	Normal	Normal	Fault	Normal	Normal	Normal	Normal	Normal	Normal	Normal	Normal	Normal	02:14 pm 16-Jan-2025
	Normal	Normal	Normal	Normal	Fault	Normal	Normal	Normal	Normal	Normal	Normal	Normal	Normal	Normal	02:14 pm 16-

NewAge Blackbox Applications.

Blackbox applications could be seen everywhere. Some emergency response systems such as fire & flame detection could benefit a lot from the IOT networks. IoT devices such as Fire Alarm systems or sensors can aggregate information including address of location, area information, and more. Blackbox will receive these data and transmit to cloud for analysis. In this way, those emergency responses can accomplish their tasks more easily & reduce Fatality.

Newage Nextgen IoT Fire alarm panel & Newage Cloud Solution

nextgen cloud Solution

IOT Blackbox

Fire Alarm Control Panel

Short Circuit Isolator

Addressable Photoelectric Smoke Detector

Addressable Multi-Sensor Detector

Addressable Heat Detector

Addressable Manual Call Point

Intelligent Sounder Beacon Base

Data - 2 Core x 1.5 Sq. mm.
Power Cable

2 core x 1.5 Sq. mm. Cable

Sounder/Strobe

Short Circuit Isolator

Input/ Output module

Pump

Conventional Sounder Strobe

Addressable Loop-Power Sounder Strobe

Data representation in Graphic formats

- **Edge to Cloud** distributed Intelligence with over 150+drivers & connectors

- **Rich HTML5** graphics for dashboards, 3D equipments maps, SLD, etc.

- **Encrypted** data security at Edge, Fog, Local, private Cloud & Public Cloud Level

- **Powerful alarm** management to creator drive results in real-time

- **Enhanced data** analytics with Self-learning and artificial Intelligence

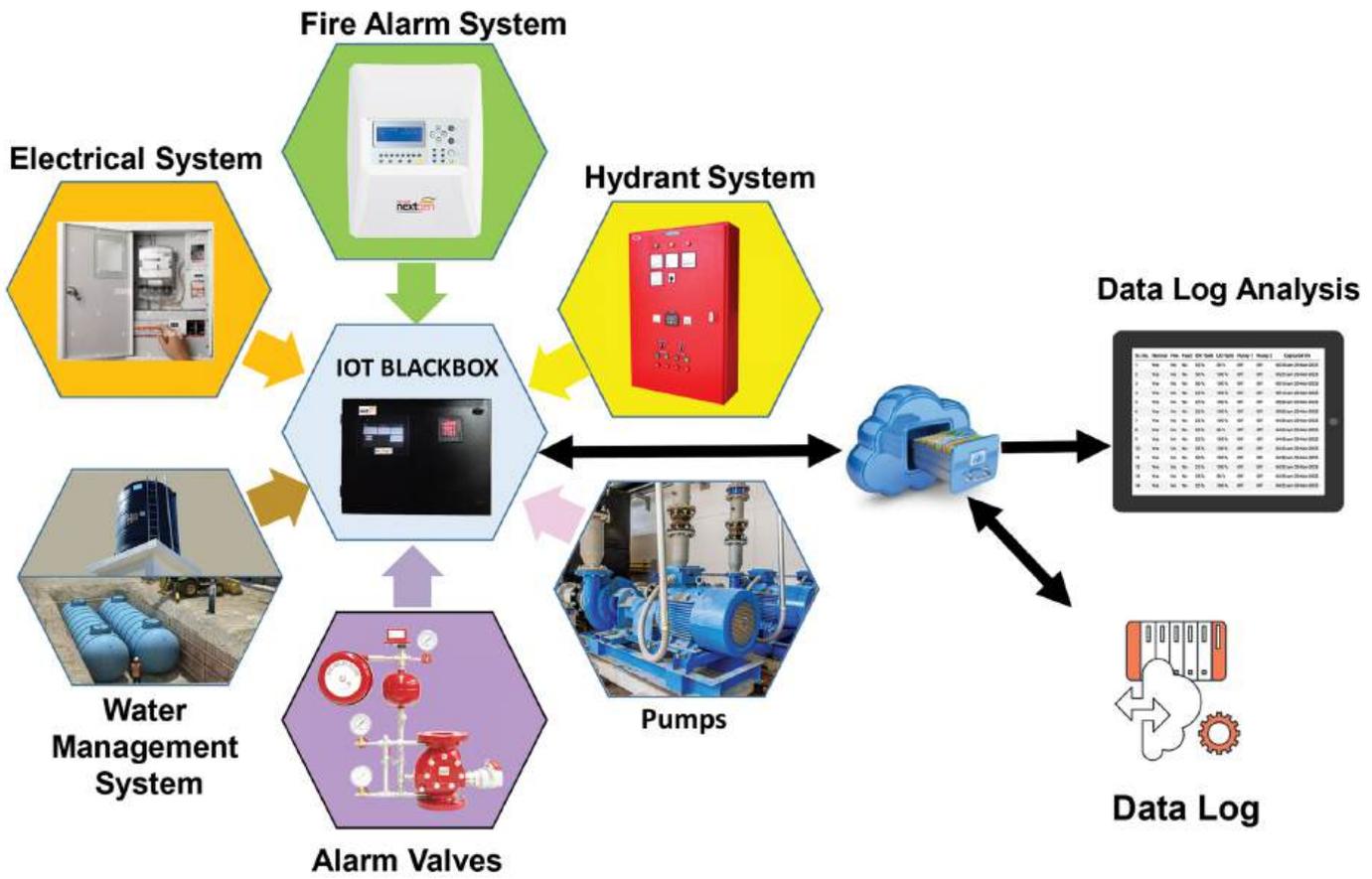- **Robust alarm** management capability to drive outcomes in realtime

CONNECT EVERYTHING

Protocols
MQTT | Modbus
and more

Database
MySQL | MongoDB
and more

Devices
iOS | Android
and more

CREATE ANYTHING

DEPLOY ANYWHERE

Cloud
Cloud Hosted
solution

Fog
Private
Data Centers

Edge
Embedded
Devices

Edge based Intelligence
Plug-Play-Collect-Deliver-Analyse-Improvise

Anything Any Device
Sensors
Actuators

Anytime Any Context
Cloud

Any Place Anywhere
Connectivity
Core Networks
Security

IOT Blackbox

Any Path Any Network
Backend Infrastructure
Storage & Servers
Data Center

Any Service Any Business
Smart Services Apps &
Web Services VR/AR/Mixed
Reality SW Development
Frontends & Dashboards

Anyone Anybody
Analytics & Data Science
Artificial Intelligence
Cognitive Computing

NEWAGE NEXTGEN CLOUD SOLUTION

Pumps

AHU

NEWAGE nextgen Fire Control Solutions

nextgen cloud Solution

IOT Blackbox

Alarm Valves

Clean Agent System

Hydrant System

Wiring for IOT Blackbox

Fire Alarm System

Electrical System

Hydrant System

IOT BLACKBOX

Data Log Analysis

Water Management System

Pumps

Alarm Valves

Data Log
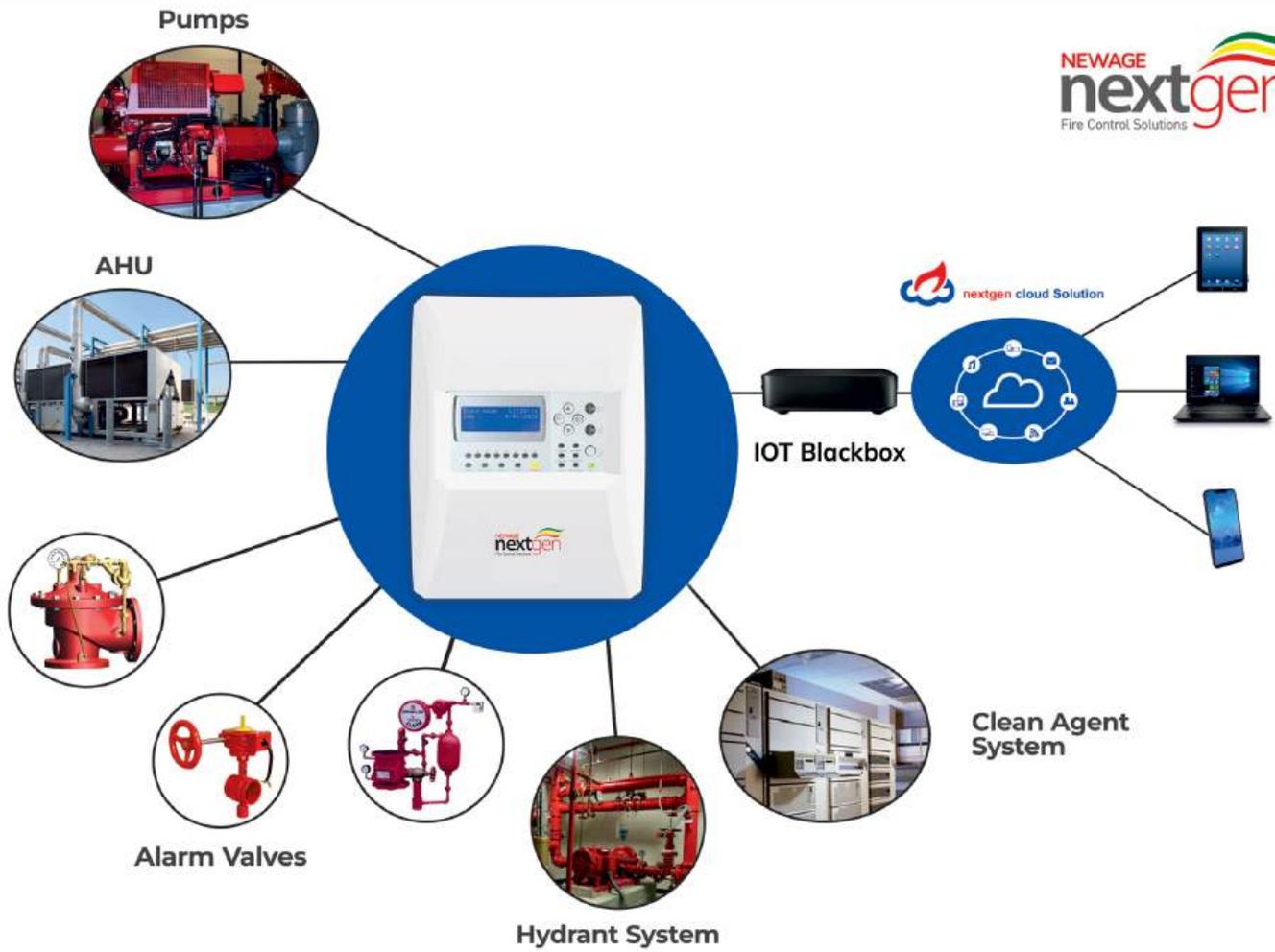
Revolutionary Fire Safety, IoT-Driven Fire Detection and Alarm System for Smart environments.

NewAge Fire Alarms systems are ideal for various Industries.

Hospitality/ Hotel Lobby and other area
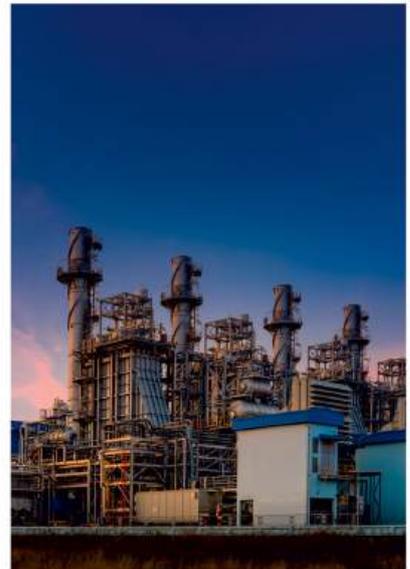
Oil & Gas Industries

Manufacturing Industries

Corporate Offices
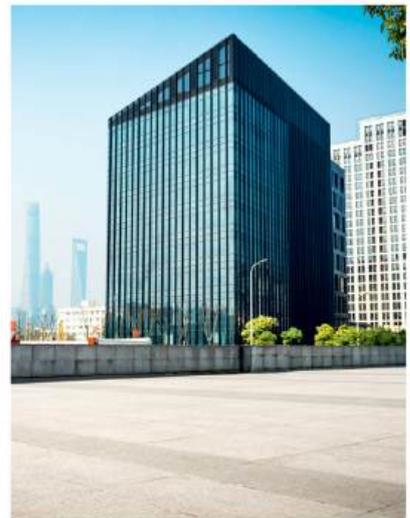
Business Parks

Ware Housing Industry

Shared offices and Business hubs

Large Industries

Maharashtra Fire Department Norms:

1. Protection to minimize the risk of arcing.
2. Short Circuit protection.
3. Over current protection.
4. Earth leakage protection.
5. Over voltage protection.
6. Under voltage.
7. Phase loss protection.
8. Phase reversal protection.
09. Consideration during loss of supply to neutral.
10. Voltage quality.
11. Detection of Loads with low power factor.
12. Detection of Loads with high harmonics.
13. Detection of Loads with high in rush.
14. Detection of unbalanced or asymmetric loads.

Summary of 2021–2025 Circulars

ADVISORY	MANDATORY	LAW (AMENDMENT)	LAW (ENFORCED)
2021	**2022**	**2023** State Assembly	**2025**
Energy Dept.	Mumbai Fire Brigade		
• IoT microcontroller recommended	• Required for BMC Fire NOC	• IoT monitoring mandated	• Only licensed agencies install
• NABL, CEI certification stipulated	• Integrated with BMS/cloud	• Offenses, penalties revised	• Forms A-1/B- introduced
Energy Dept.	Mumbai Fire Brigade	State Assembly	

MAHARASHTRA GOVERNMENT GAZETTE
IoT-Based Fire System Monitoring Mandatory

An official government notification reinforcess the mandatory installation of IoT-based monitoring systems for fire safety in new and existing buildings.

Key Requirements

Mandatory IoT integration with:
- Pump & DG rooms
- Water tanks
- Smoke detectors circuits
- Sprinkler/hydrant systems

Cloud storage plus real-time alerts linked to the fire brigade

Applies to all new high-rises, and buildings undergoing repairs or change of use

NEWAGE
nextgen
Fire Control Solutions

For more details on the product
Call:+91-9136479499 | **Email:** nextgen@newagefireprotection.com
Head Office: 4, Champaklal Udyog Bhavan, Sion (East), Mumbai - 400 022 (INDIA)
T: +91-22 2407 7421/4351 15555

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FIRE PROTECTION
INDUSTRIES PVT. LTD.

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