NORTEK

MONITORING AND CONTROL SYSTEMS

Smart Control and Notification System
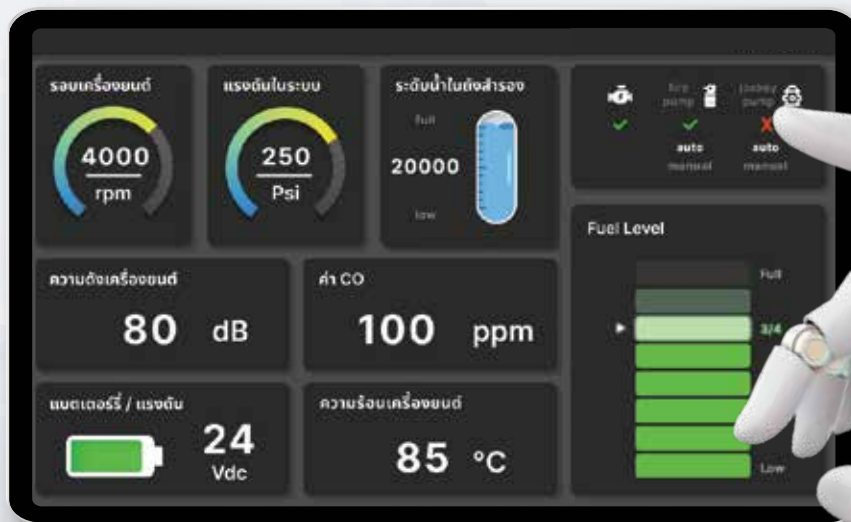
Comprehensive and integrated with all systems and events

NORTEK™

NORTEK™ IoT Fire Pump System is a real-time IoT system for monitoring and controlling fire pump systems. It was developed by Mega Planet Co., Ltd., a fire protection system and fire protection equipment provider that installs alarm systems and alarm equipment that meet international standards.

The "Nortek™" symbol ensures the quality and performance of the systems and devices developed, taking into account ease of use, reduced manpower, and increased efficiency in operation and maintenance.

The Nortek™ IoT Fire Pump System is designed to work together with standard hardware and sensors. It supports connection and data transfer with a modern IoT

Monitoring And Control

- The system is controlled by a 32-bit ESP32 microcontroller module.

- It is connected to the monitoring program via an 802.11 n Wi-Fi 2.4 GHz module.

- The system can be monitored and controlled digitally using a 7-inch Smart LCD Module touchscreen display.

- The display shows the following information: Engine RPM Engine temperature (0–100 °C) Engine noise (30– 120dB).

- Fuel level and Water level status.

- System battery voltage (VDC)

- System status (System, Fire Pump Run, Jokey Pump)

- The system supports the connection of 8+8 input/output devices.

- The system can be powered by AC 220 V 50 Hz or DC 24 V.

- The IoT board can be updated with new firmware via OTA (Over-the-air).

- The system comes with pre-assembled sensor cables (casing and mounting) for easy installation.

Web Application (Software)
Operated by NORTEK™ Admin Team

- Display and control on MQTT Server and managed by Nortek™ admin team
- Can configure user accounts through a web application
- Control and monitor system operation through a web application
- Display Wi-Fi connection status, system status, fire pump run status, and jockey pump status
- Can record log of important system parameters (Notification Log)
- Display notification status on web application
- Can record user login (Admin Log)
- Display system location coordinates via Google Map link
- Can set critical value alert settings
- Can add device details when installing new (New Device) or changing devices
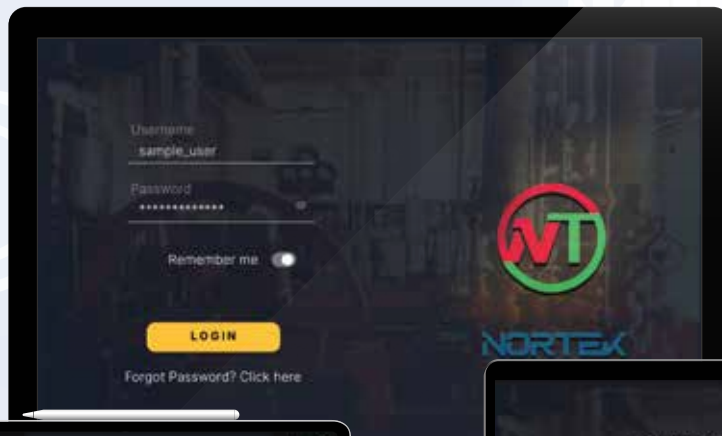

NORTEK™ Mobile Application

- Customer-specific application
- Supports Smart Phones and/or Tablets running Android Version 10 or higher
- Displays the fire pump operation status: OFF / AUTO / RUN
- Allows authorized users (with assigned permissions) to start (RUN) or stop (OFF) the fire pump
- Displays a warning message page according to standard requirements after starting the fire pump (RUN), with a button to confirm RUN
- Displays the jockey pump operation status: OFF / AUTO / RUN
- Displays the number of times the jockey pump has run in the current week and the previous 3 weeks, with a graph showing the maximum value of 100
- Provides a summary page of important parameters from the past, by day, week, month, and year

NORTEK

MEGA PLANET CO.,LTD
REGISTRED TO ISO 9001:2015,
ISO 14001:2015 AND ISO 45001:2018
5055016

contact@nortekapp.com

02-986-5880-1 , 089-030-3533
Fax : 02-986-5882

www.nortekapp.com

38/248,38/416,38/423 Moo1, Klong Nueng, Klong Luang,
Pathumthani, 12120

www.nortekapp.com...