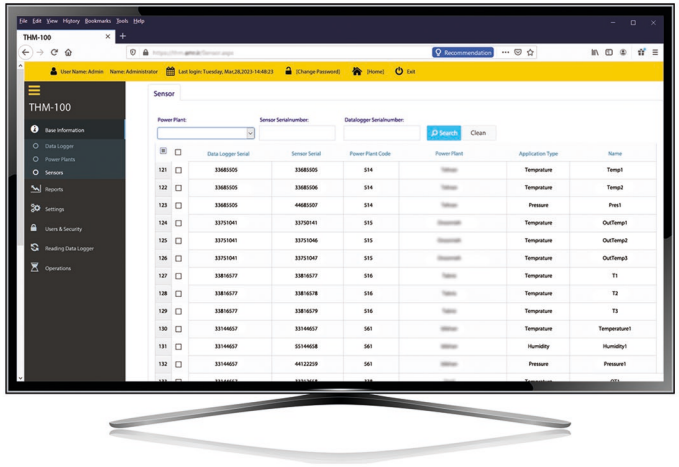

THM-100

Temperature and Humidity Monitoring System of Power Plants

Overview

THM-100 is a web-based software for monitoring the temperature and humidity of power plants and is used in the Iranian Electricity Network Management Company to monitor the meteorological parameters of all power plants across the country. Data logger CMS-400 collects data from sensors (temperature, humidity, pressure, speed, wind direction, etc.) and sends it to this system at specific times or instantaneously through GSM or LAN.

Advantages

- Creating a database to store collected data from sensors
- Online communication with the data logger to get latest data
- Defining the schedule of sending data from the data logger and creating a report
- Defining the acceptable value range of received data for each type of sensor
- Detection of received data errors immediately
- User management based on the organizational chart and user types

Abilities

- Defining power plants, data loggers, sensors
- View parameters received from power plants separately
- Setting the services by the user
- Defining the date allowed to receive data from each power plant
- View the history of sending information
- Read information from data loggers instantly

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ROHS CE

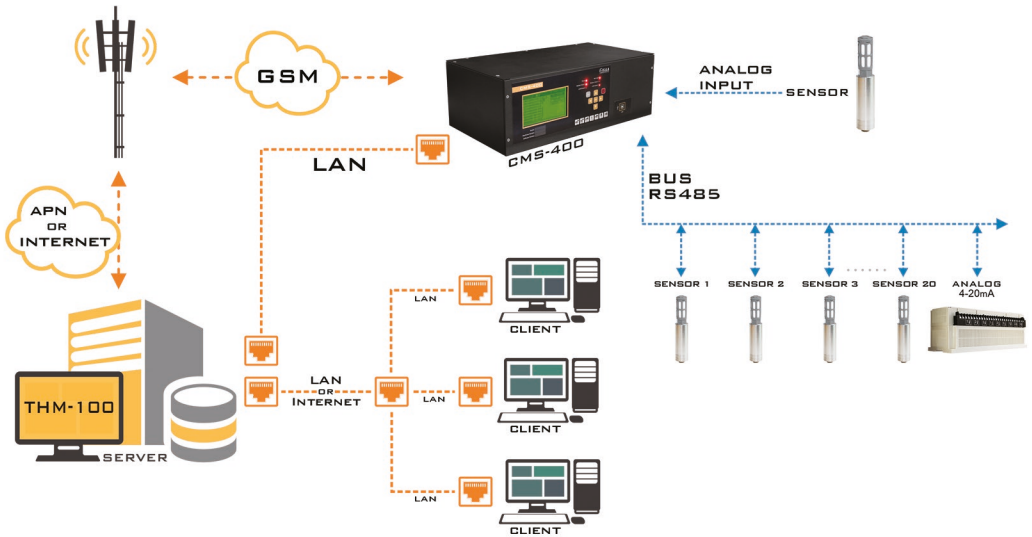
THM-100 Temperature and humidity monitoring system of power plants

Features

- Run on the web platform
- Multi-user
- Two-way communication with the data logger device automatically
- Reporting on different sensors
- Export reports
- Control and check the time of receiving data from the data logger
- Control of sending and receiving data
- Confirming and disconfirming the recorded data
- Create and manage user access levels on pages

System Architecture

In this CMS-400 data logger system collects and stores data from sensors. Then, at specified times, the data is sent to the THM-100 software through the GSM platform or through the LAN, and users can access the collected data through the system and extract the required reports and analyzes.



Technical Specifications

System architecture	Layered with Logical Sub Systems
System implementation platform	Web Base, Browser and Device Independent
Database	Microsoft SQL Server
Programming language	C#
Framework	.NET Framework 4.5

Screenshot