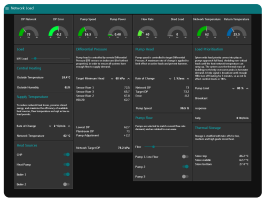
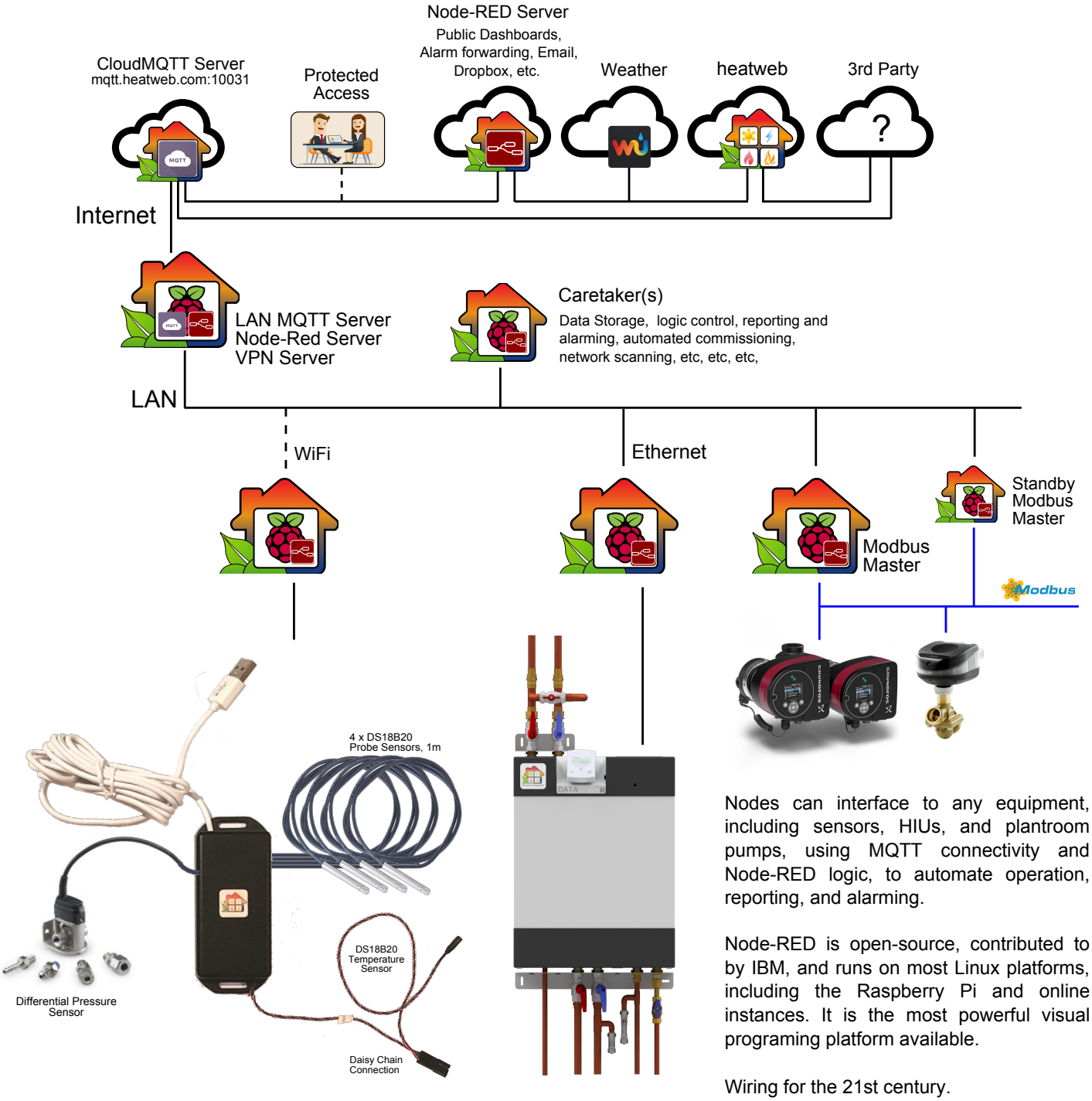
Node-HIU MQTT Architecture

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The Mode-HIU system uses MQTT as its primary communications protocol. This ensures reliable delivery of messages and data, provides security, and is the industry standard IoT communications protocol. Within a Local Area Network, where actual equipment is connected, all other forms of traffic can be turned off for added security, and only the recognised LAN MQTT Server can access the internet. This in turn can only accesss a single adresss, being that of the Public MQTT Server (mqtt.heatweb.com). A secure VPN Service can be added for admin access to the local network.



Nodes can interface to any equipment, including sensors, HIUs, and plantroom pumps, using MQTT connectivity and Node-RED logic, to automate operation, reporting, and alarming.

Node-RED is open-source, contributed to by IBM, and runs on most Linux platforms, including the Raspberry Pi and online instances. It is the most powerful visual programing platform available.

Wiring for the 21st century.