



Environmental and Security Parameters Wireless Monitoring Cloud Management Control

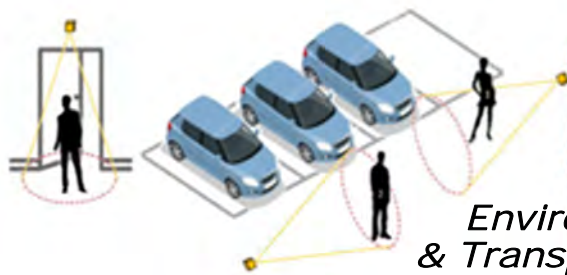
Loop- IoT0510



Industrial Controls & Automation



Data Center & Edge Security



Environmental & Transportation



Agriculture & Food Safety

Loop-IOT0510 is monitoring any possible "Environmental" information, from different probes, via 10 year's battery sensor, telemetry radio, controller, routed to a CLOUD SERVER SYSTEM.

This evolutive system OPTIMIZES CABLING, SAVES STAFFING CAPEX and OPEX

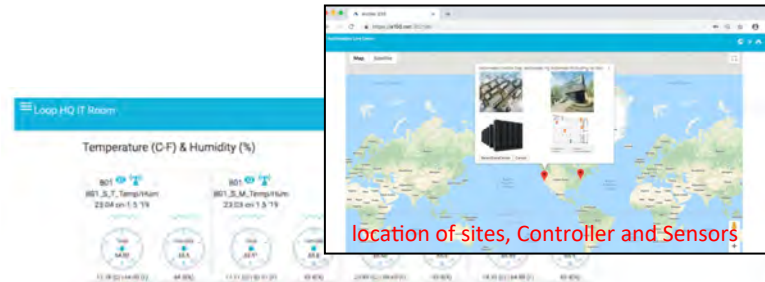


Temperature – Humidity – Door Open/Close – Water Leak – Liquid Level – AC or DC current – Dry Contact

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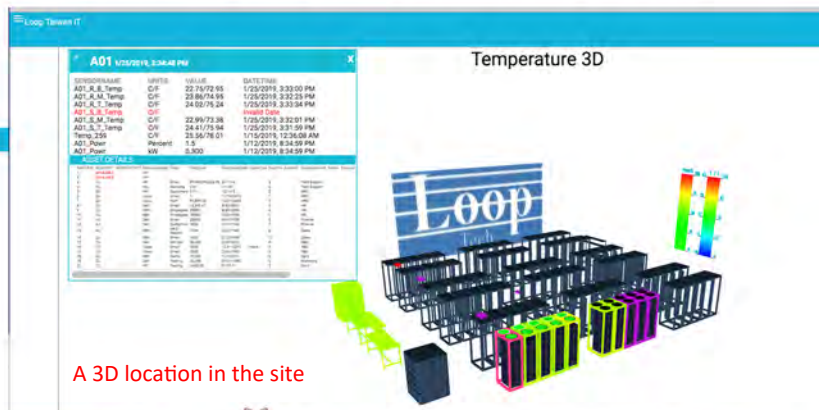
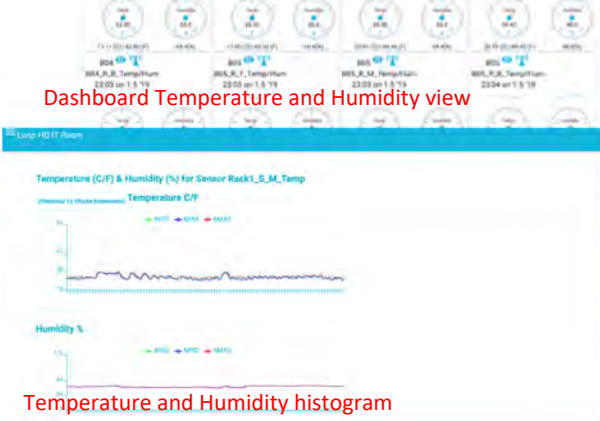
Environmental Monitoring Loop-IoT0510 Arcos® Cloud Management System



This Cloud Server manages all system data, records and analytics in local as well as cloud-based storage for user sharing, remote monitoring, and management and allows multi-user and multi-location access, both locally and remotely.

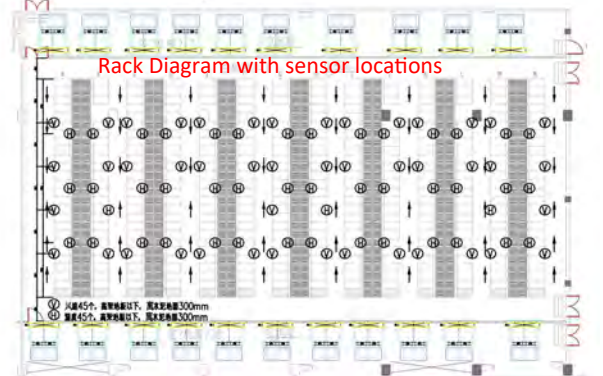
The Arcos® Cloud services can run as a - **Private Cloud Management Software** or - **Public Cloud Management Software** provided by vendor or operator.

The system send email/SMS alarms to the operator who can access from his PC, tablet or mobile to information of his sites over secure web access to Arcos® server which gives:



Warnings and Alarms

ID	MESSAGE	SEVERITY	DESCRIPTION	UPDATETIME	MESSAGE	THRESHOLD	SEVERITY	STATUS	NOTE
#10000000000000000000000000000000	High Temperature	High	High Temperature	2021-01-01 10:00:00	High Temperature	50.0	High	Resolved	High Temperature
#10000000000000000000000000000000	Low Humidity	Medium	Low Humidity	2021-01-01 10:00:00	Low Humidity	30.0	Medium	Resolved	Low Humidity
#10000000000000000000000000000000	High Power	High	High Power	2021-01-01 10:00:00	High Power	5000	High	Resolved	High Power



CRAC(Computer Room Air Conditioning) information of room cooling systems is recorded and visible in Arcos software together with all parameters as temperature, air distribution, humidity and power consumption per rack or even large sever of rack in the Data Center.

Loop-IoT0510 hardware

Sensors & Probes



Autonomous Sensor Probes: temperature, humidity, 1 external 433MHz radio, 10 year's battery

External Probes



Controller



Controller for 200 sensors, Ethernet & Wifi, redundant use, Bi-directional communication for Cloud setup synch, 433MHz radio, 1 RS485, IO1/IO2/IO3/IO4 for external digital and analogue probes, Air quality control, Air Pressure and Air Flow, and more...

Wireless Probes



LOOP TELECOMMUNICATION INTERNATIONAL, INC.
an ISO 9001 and ISO 14001 Company

Worldwide	Europe	Americas	Australia & New Zealand
6F, No. 8, Hsin Ann Road, Hsinchu Science Park Hsinchu, Taiwan 300092, +886-3-578-7696 sales@looptelecom.com	Rue du Culot, 13, BE-1402 Nivelles Belgium, +32-496-54-27-44 eu_sales@looptelecom.com	8 Carrick Road, Palm Beach Gardens Florida 33418, U.S.A. +1-561-627-794 nca_sales@looptelecom.com	3,Imperial Ave, Mount Waverley, Victoria 3149, Autralia, +61-413-382-931 aus_sales@looptelecom.com