BUILDING RELIABLE CONNECTIONS

HUMAN BASED MONITORING (hBM) SOLUTION

Webinar: June 23, 2020

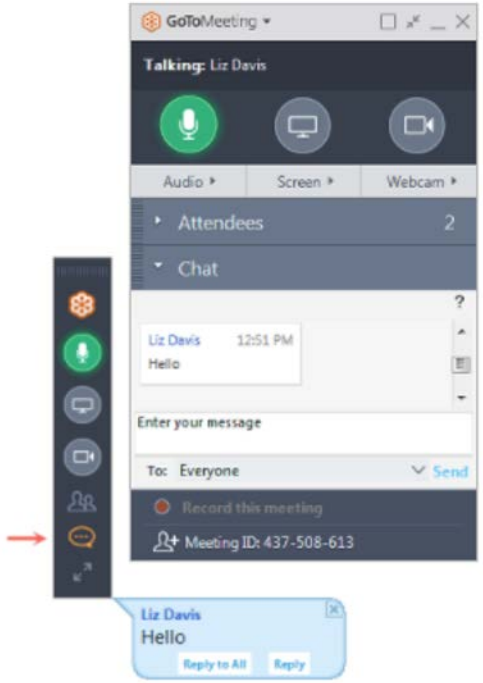
GoToWebinar Chat Feature

Chat with others

The Control Panel includes a Chat pane where you can exchange messages with other attendees. You'll see message notifications appear if your Control Panel is minimized to the Grab Tab.

Use the **To** drop-down menu to select your recipients:

- Select **Everyone** to send a public message to all participants.
- Select **Organizer(s) only** to send a message only to organizers and co-organizers.
- Select a specific individual to send a private message to just that person.



Presenters

Paul Fettuccia
President & General Manager

Ken Hosac
VP of IoT Strategy & Business

Ken Mills
Chief Executive Officer

Produced By

NEDAS

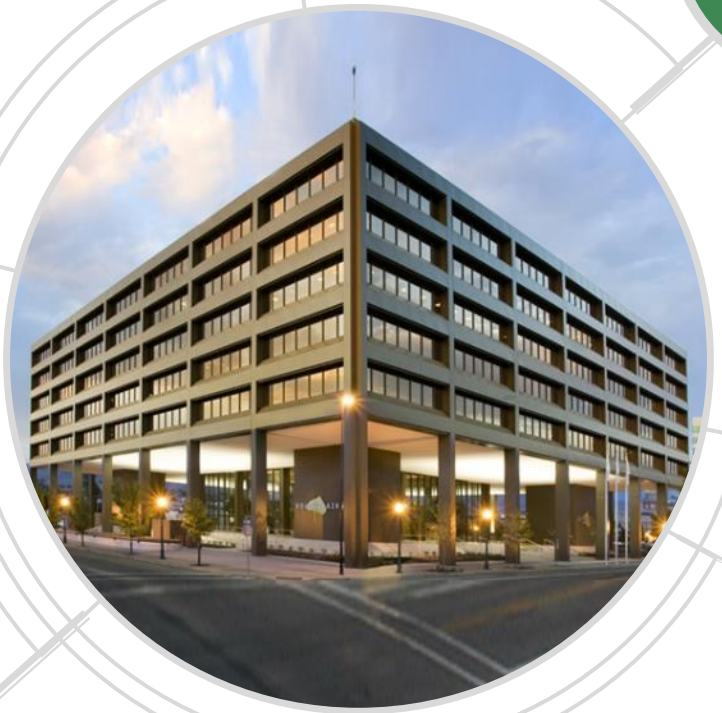
Table of Contents

- Cradlepoint Branch Connectivity
- IntelliSite Human Based Monitoring (hBM) Product Solution
- ANS Advanced Network Services LLC Services
- Questions

Leader in Enterprise Wireless WAN

50%
Fortune 100

75%
Top WW Retailers



Worldwide leader in LTE-enabled enterprise network solutions

Founded in 2006
1,000,000+ active subscriptions

100%
Top 25 US Cities

Fortune 500
40%

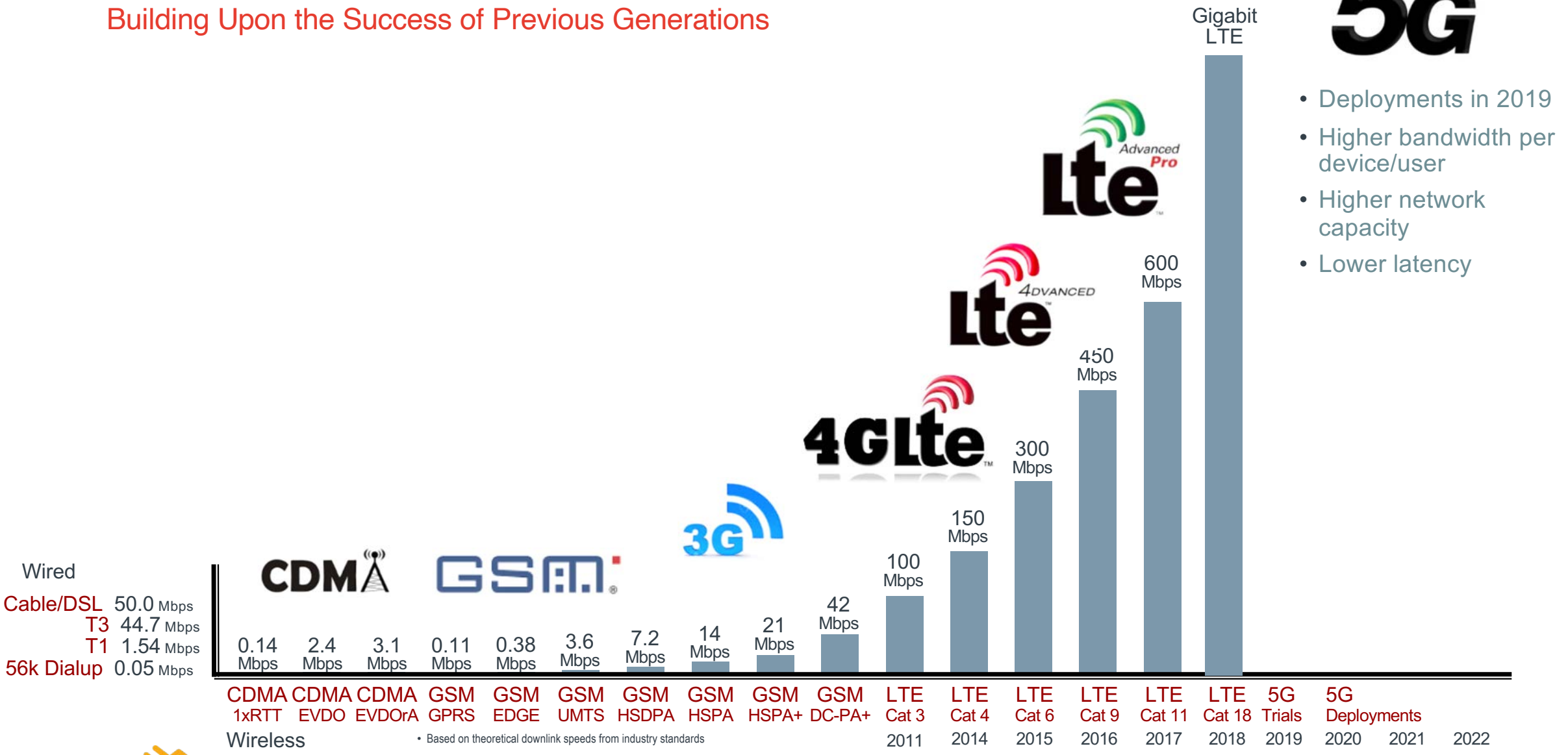
20,000+ subscribing customers

cradlepoint

Cradlepoint Proprietary and Confidential | ©2019 Cradlepoint, Inc. All Rights Reserved. | Information subject to change without notice.

The Path to 5G

Building Upon the Success of Previous Generations



- Deployments in 2019
- Higher bandwidth per device/user
- Higher network capacity
- Lower latency

Cradlepoint Proprietary and Confidential | ©2018 Cradlepoint, Inc. All Rights Reserved. | Information subject to change without notice.

4G-LTE is Widely Deployed as an Enterprise WAN

Fixed Locations

Retail Store

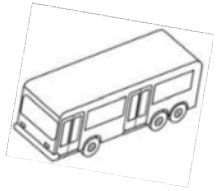
Quick-Serve Restaurant

Branch Office

Mobile Locations

Police Car

Ambulance



Public Bus

School Bus

Delivery Truck

Snow Plow

IoT/M2M

Kiosk

ATM

Traffic Intersection
(Smart City)

Digital Signage

Video Surveillance

cradlepoint © Cradlepoint, Inc. | All Rights Reserved | Information Subject To Change Without Notice

Global Pressure to Return to Work

6.7%

estimated **reduction in global working hours** for the second quarter of 2020, equating to

195M
full-time jobs

More than 26 million jobless claims have been filed in the US since mid-March

10.2 million French workers laid off since pandemic began, representing nearly half of private-sector workers

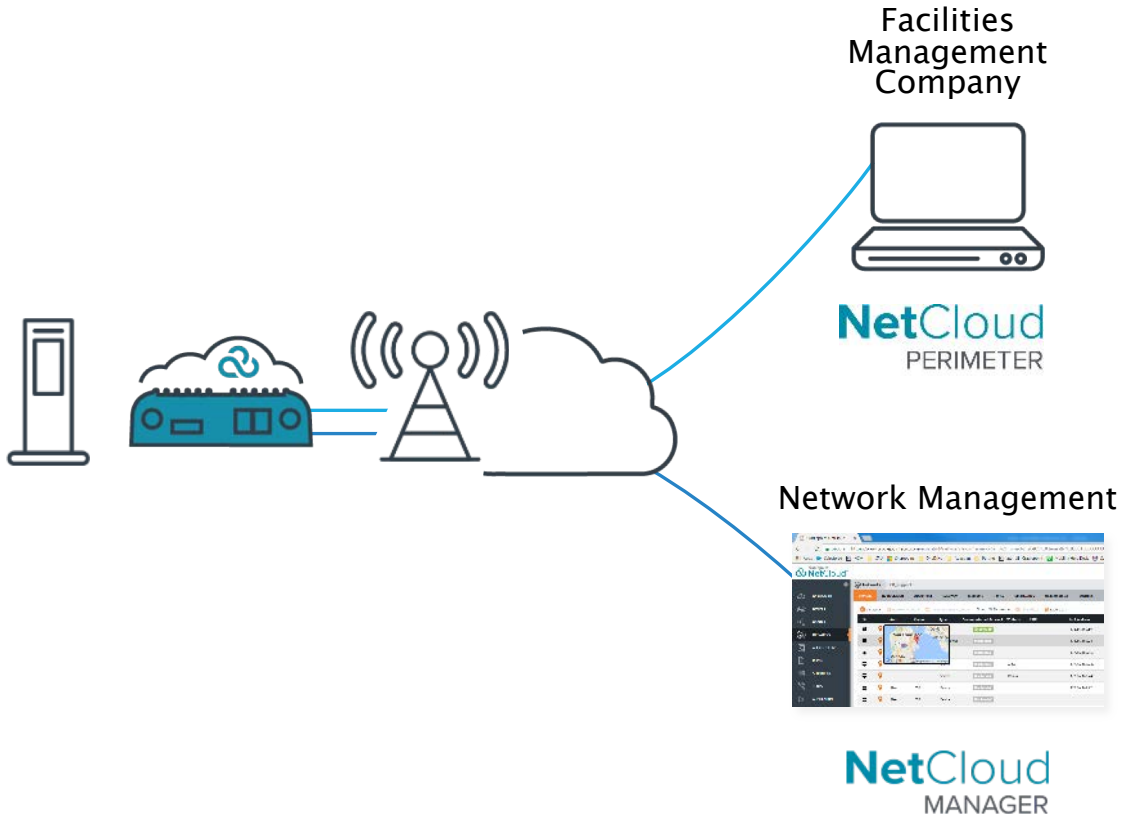
140,000 UK businesses (**nearly 1 million workers**) applied for **government furlough support** on day one of program

780,000 Australian workers, representing **6% of the workforce, lost their jobs** since mid-March

Notes: Claims data for week ended April 18, 2020; global workers poll conducted by Ipsos March 19–21
Sources: US Department of Labor; Bloomberg; Yahoo Finance; Society for Human Resource Management; *Financial Times*; Bain/Dynata Consumer Health Index survey closed April 8, 2020; Bain Macro Trends Group analysis; International Labour Organization; *Guardian*; France24

Smart Facilities

Ideal for analyzing and monitoring smart facilities, such as the smart parking garage – e.g. helps the public park where there are less people

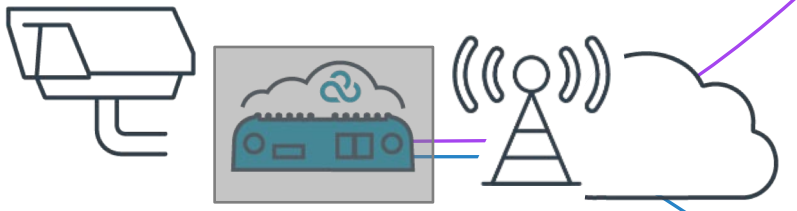


Solution
Cradlepoint IoT solution for easy secure access and management.

Benefit
Dependability, security and simplified operations.

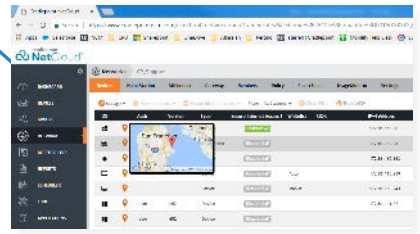
Security Monitoring in a Box

Ideal for connecting remote cameras in areas with large gatherings of people such as parks and malls



Microsoft Azure IoT Central

Network Management



NetCloud MANAGER

LiveView Technologies

Solution

Cradlepoint NetCloud Service for IoT for cost-effective highly scalable solution deployed with management, security, and analysis.

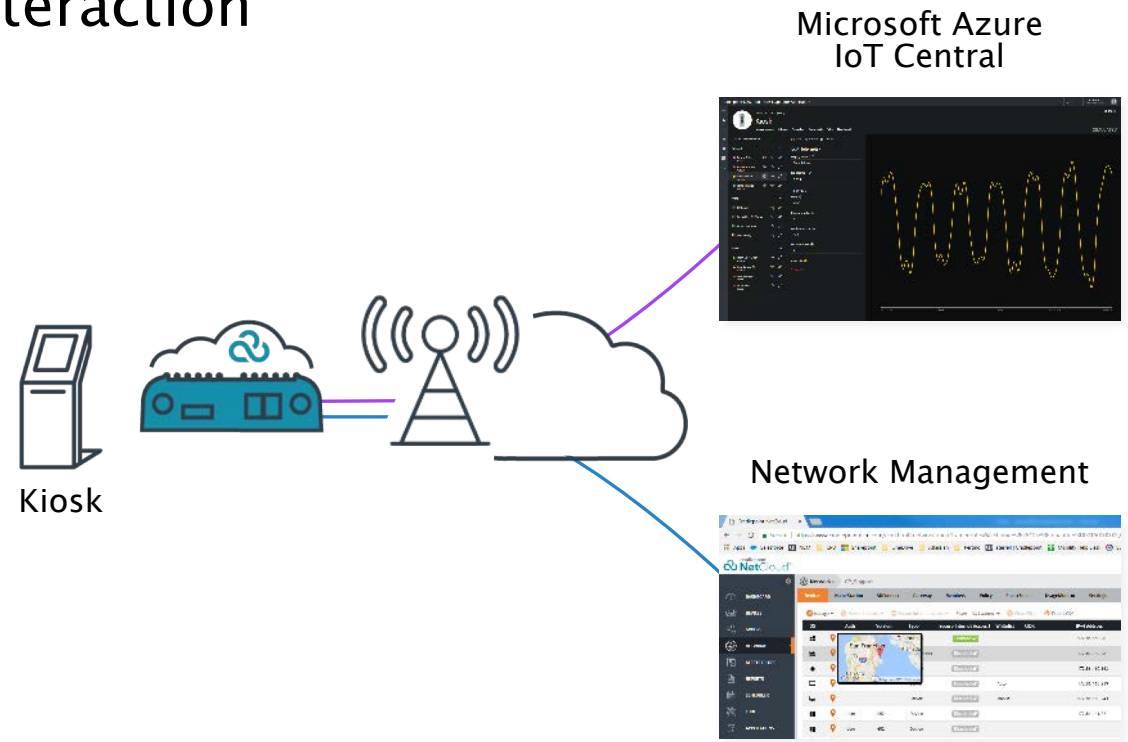
Benefit

Simplicity of deployment and management allows for more installations.

Deter illegal, inappropriate behavior, large gatherings of people, or other unsafe behavior.

Kiosks

Ideal for connecting intelligent self-service systems for ordering and consulting without face-to-face interaction

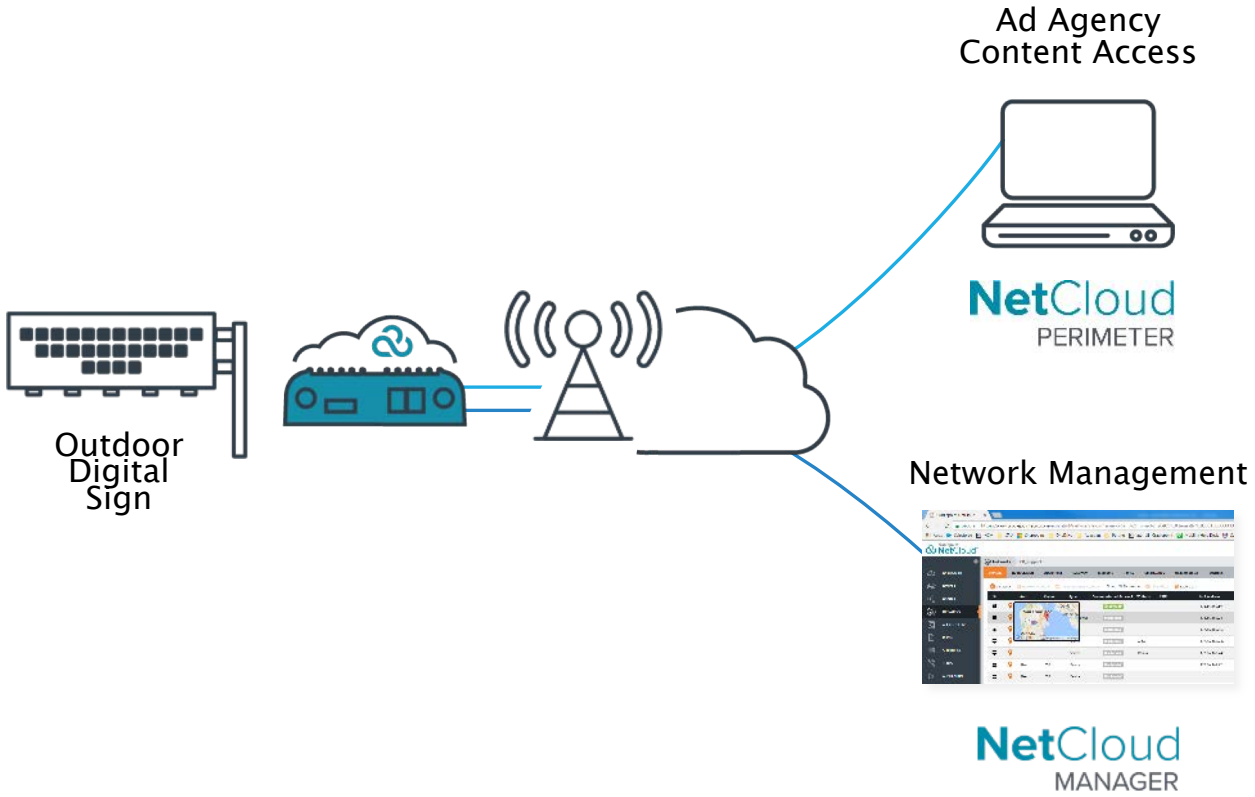


Solution
An enterprise-class IoT solution deployed by IT with management, security, and an IoT application.

Benefit
Confidence that remote systems will be secure, available, and efficient.

Outdoor Digital Signage

Ideal for connecting remote smart digital signs – e.g. helping to alert the public in specific areas



Solution

A comprehensive Cradlepoint IoT solution deployed by IT with management, security, analytics and secure 3rd party access.

Benefit

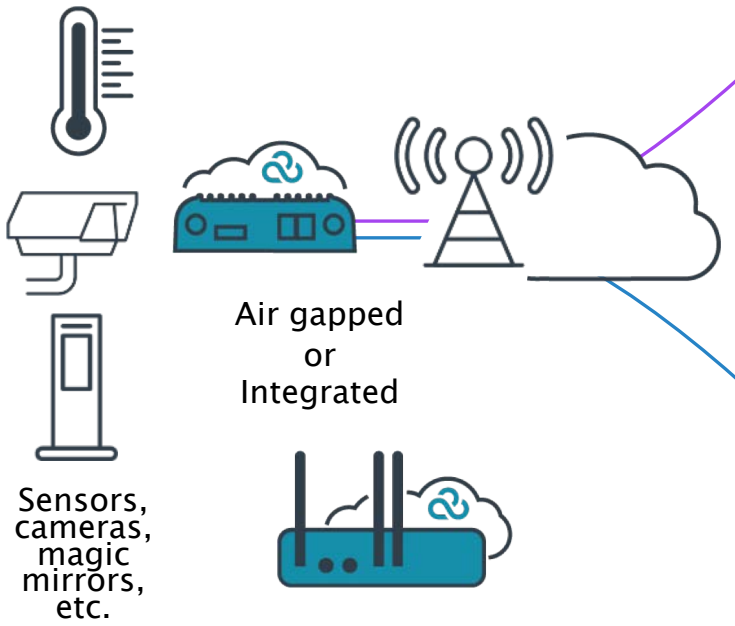
Confidence that remote systems will be secure, available, and efficiently ran.

IT can deploy hundreds or thousands of remote sites and offer 3rd party secure access.

No need to run wired connections, using multiple service providers, and managing thousands of sites.

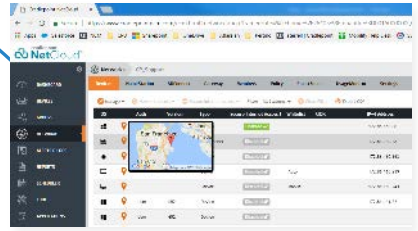
Branch IoT Applications

Ideal for experience applications, physical security, and sensors that connect to a gateway for more efficiency



Microsoft Azure IoT Central

Network Management



NetCloud MANAGER

Solution
Cradlepoint IoT solutions for fast deployment and easy secure direct-to-cloud connectivity with management, security, and analysis.

Benefit
Fast, simple, and secure deployment for IT and OT teams allowing staff to focus on the customer experience.

No need to mix financial traffic with customer experience traffic.

IntelliSite

HUMAN BASED MONITORING (HBM)

MAY 2020

ABOUT INTELLISITE

2001

INTELLISITE FOUNDED

Market leader in Machine to Machine and Safety & Security Surveillance solutions.

2005

INTELLISITE INTRODUCED THE REMOTE SURVEILLANCE UNIT® (RSU®)

Revolution In Remote surveillance – deploying video analytics at the edge.

2014

INTELLISITE INTRODUCED THE UNIVERSAL IOT GATEWAY (UIG®)

2014

INTELLISITE INTRODUCED REMOTE MONITORING AND MANAGED SERVICES

Bringing real-time response together with best in class edge video and IoT solutions.

2017

INTELLISITE INTRODUCED THE INTELLISITE CLOUD PLATFORM

Bringing IoT and video together with advanced user controls, device management and IoT sensor control and monitoring.

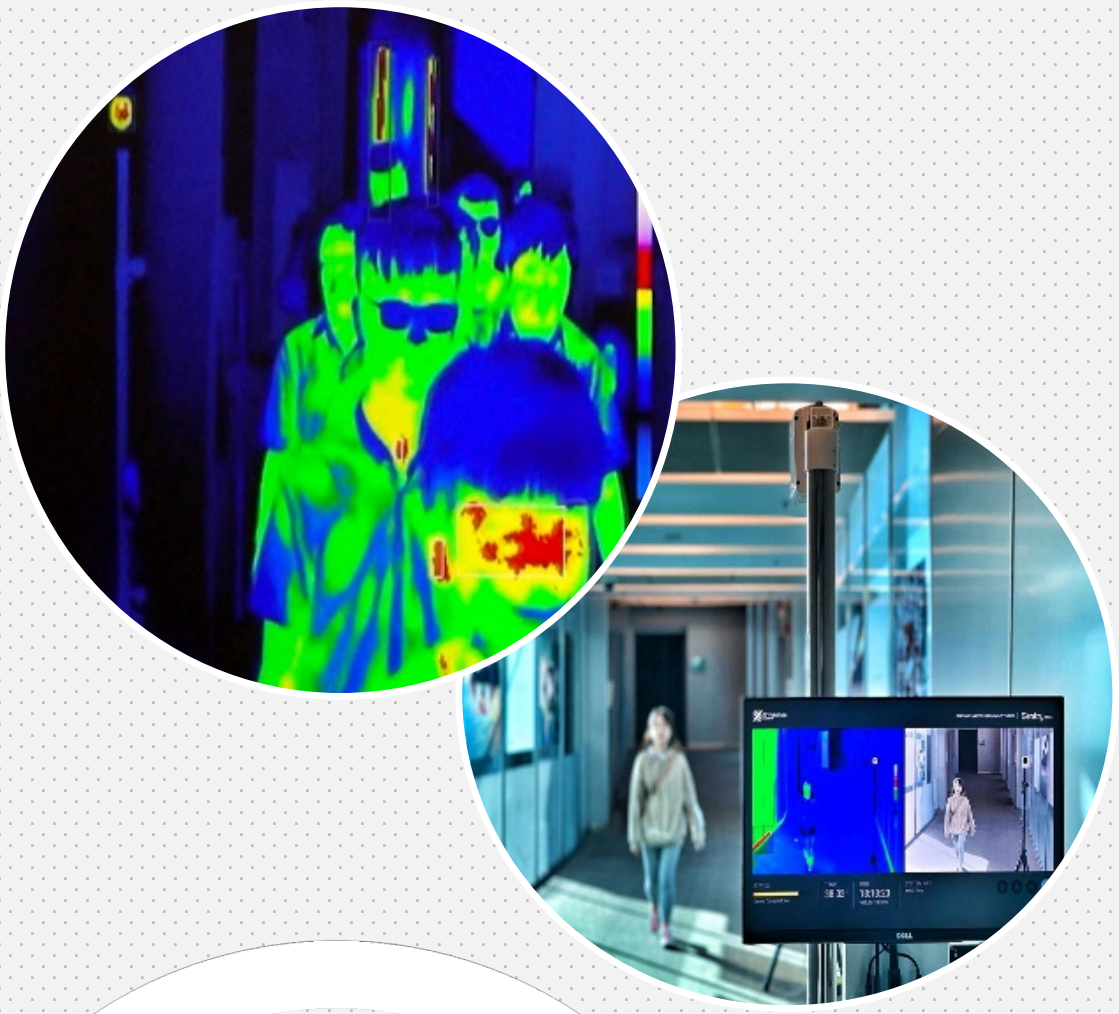
2020

INTELLISITE ACQUIRED BY DFW CAPITAL 2020

2020

INTELLISITE ACQUIRES DEEP VISION AI

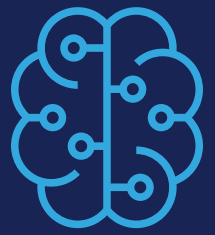
Bringing best in class global AI talent and product development in house.



All-IN-ONE HUMAN BASED MONITORING

IntelliSite’s Human-based Monitoring (HbM) captures elevated body temperatures to provide real-time identification of high-risk individuals. IntelliSite’s HbM, a solution within IntelliSite’s IoT Condition-Based Monitoring platform, combines thermal cameras, artificial intelligence and cloud-based management to recognize slightest change in individual temperatures to create actionable outcomes.

INTELLISITE'S IOT PLATFORM HARNESSES BEST-IN-CLASS PERFORMANCE OF FOUR KEY TECHNOLOGIES:



ARTIFICIAL INTELLIGENCE

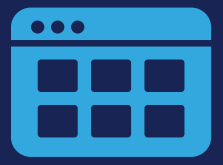
Leverages collected data to quickly analyze data

THERMAL IMAGING

Best in class thermographic cameras

MANAGED SERVICE

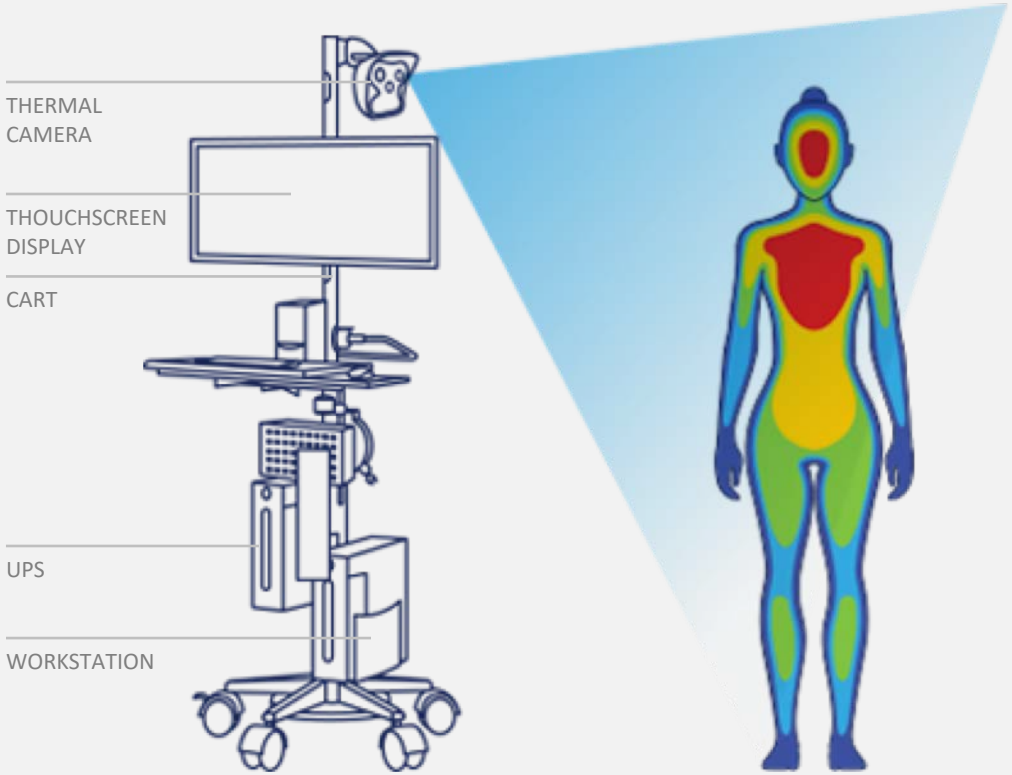
Managed service support and monitoring options



ENTERPRISE MANANGEMENT

Fleet management, enterprise interface with advance user privileges and IoT integrations.

SOLUTION OUTLINE AND COMPONENTS



HARDWARE

- Thermal Camera
- Universal IoT Gateway (UIG®)
- Small Form Gactor Workstation
- Touchscreen Display
- Cart

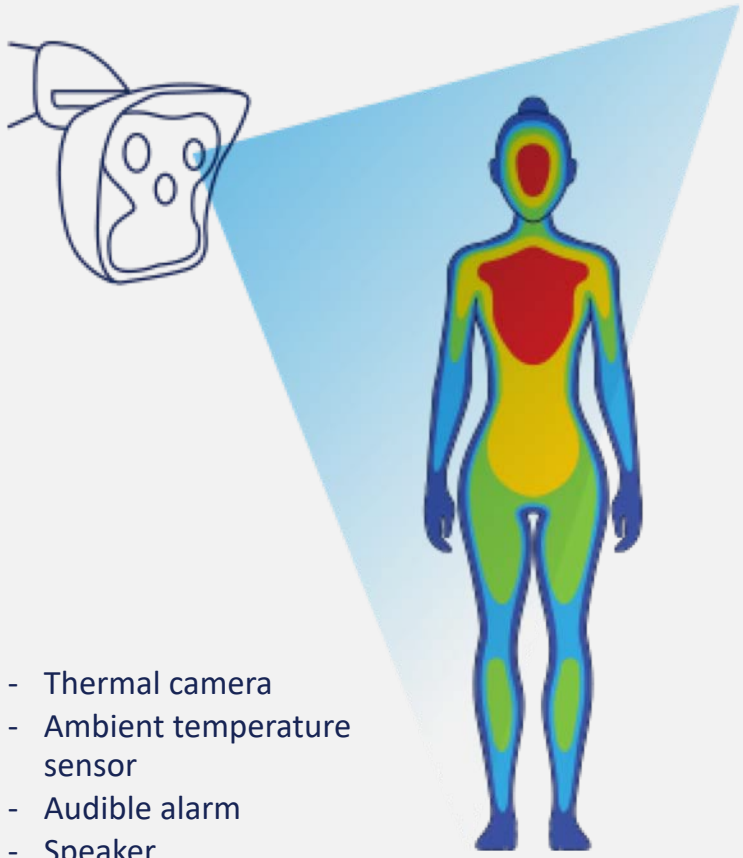
CONNECTIVITY

- 4G LTE / 5G Cradlepoint Router
- Wireless Service Plan (SIM card)
- Cloud-based Services

SOFTWARE

- Deep Vision AI Temperature Measurement Module
- IntelliSite IoT Platform
- IntelliSite Cloud Engine runs on any cloud or on-premise
- Easy Configuration and Deployment UI
- Alert and Notification
- Expandable AI-based software features on same platform

CENTRALIZED CONFIGURATION



- Thermal camera
- Ambient temperature sensor
- Audible alarm
- Speaker

SOFTWARE

- Deep Vision AI Temperature Measurement Module
- IntelliSite IoT Platform
- IntelliSite Cloud Engine runs on any cloud or on-premise
- Easy Configuration and Deployment UI
- Alert and Notification
- Expandable AI-based software features on same platform

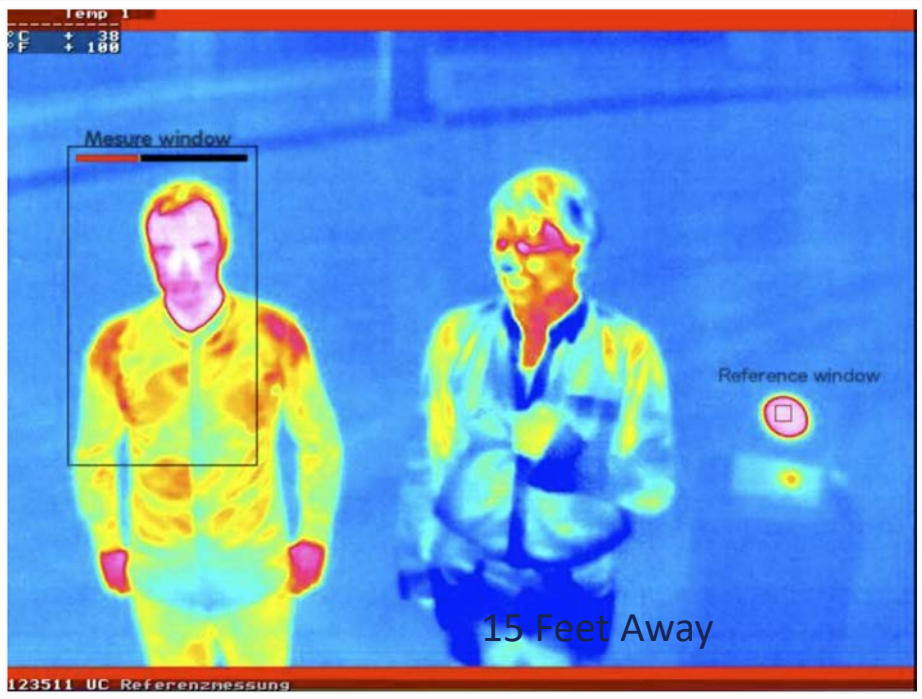
1-10 AI CAMERAS PER SERVER

MANAGEMENT SERVERS

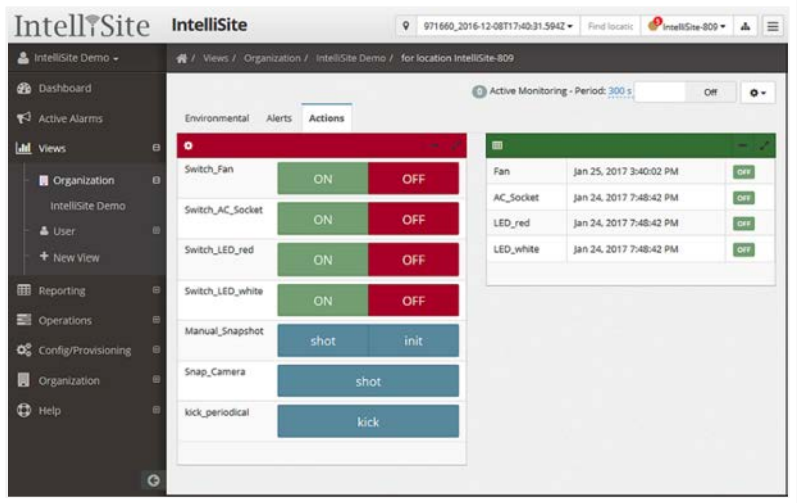
STORAGE

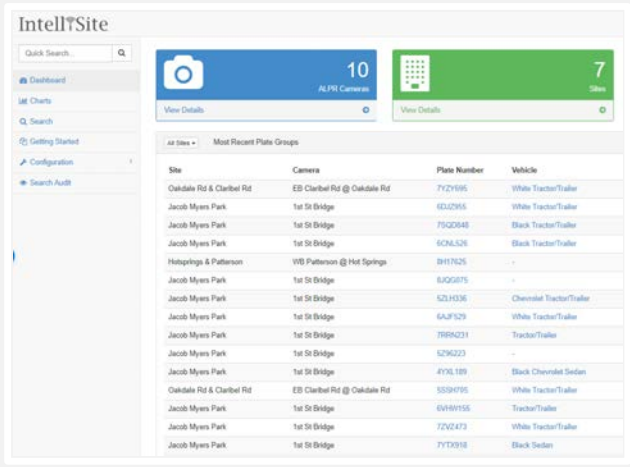
INTELLISITE **MBX**
hBM-X SCREENSHOTS

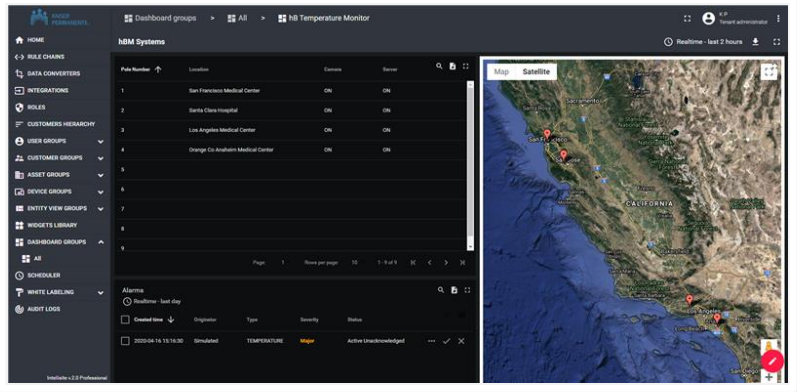
15 Feet Away

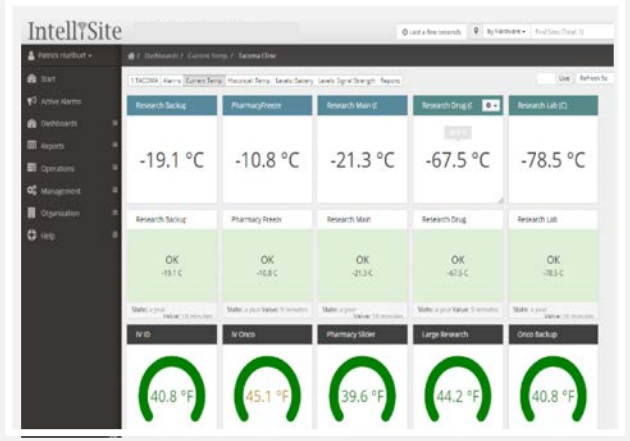


With Black Body Reference Temp



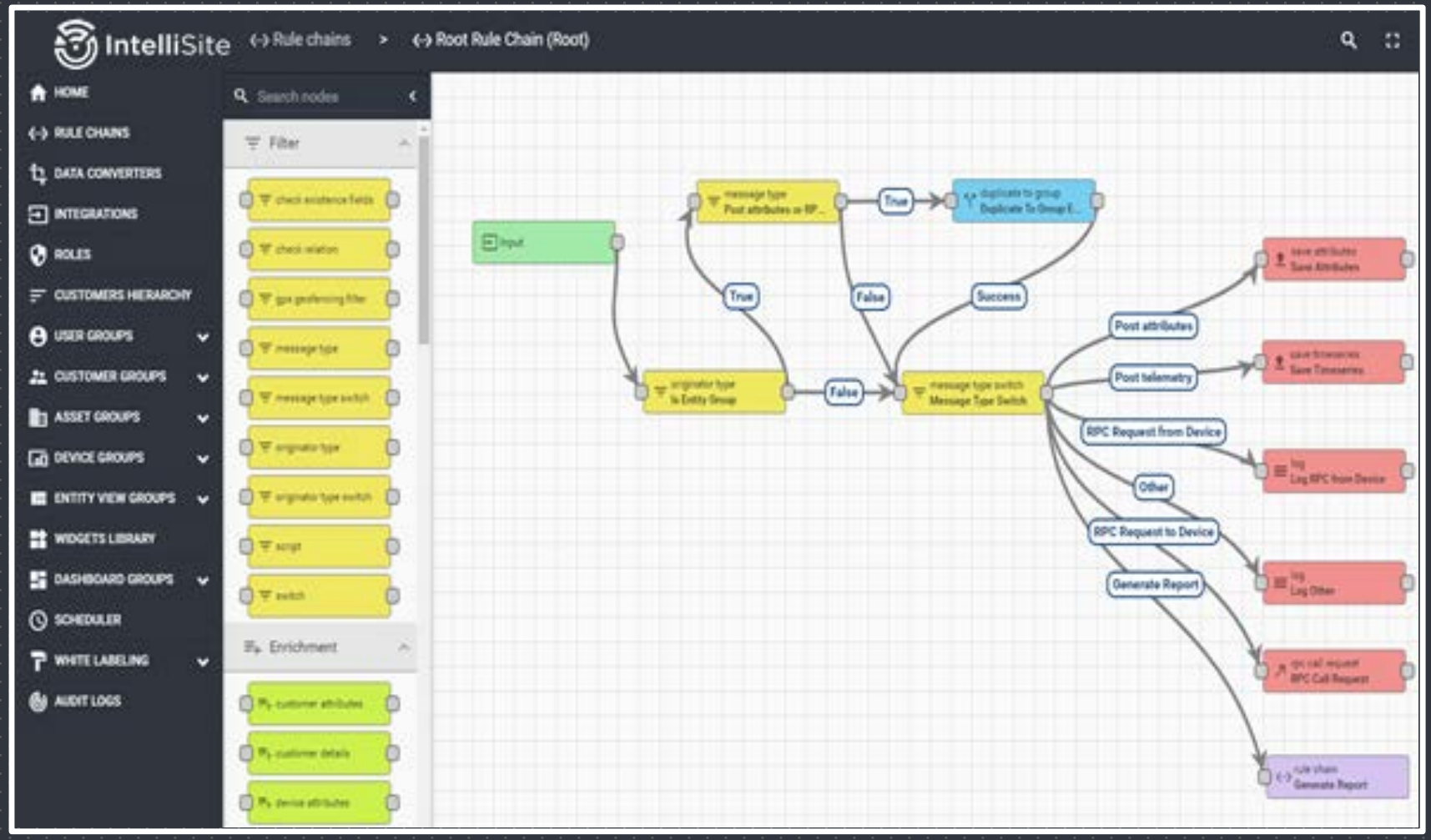






HIGHLY USER-CUSTOMIZABLE WEB INTERFACE

INTELLISITE RULES ENGINE



INTELLISITE RULES ENGINE

- DATA MODIFICATION
- MULTI DEVICE DATA AGGREGATION TO RELATED ASSETS
- CREATE ALARMS
- UPDATE OR CLEAR ALARMS
- TRIGGER ACTIONS
- MANAGE TO DEVICE LIFE-CYCLE EVENTS
- LOAD TEMPERATURE THRESHOLD VALUE FOR A DEVICE
- CUSTOMIZE EVENT BASED COMMUNICATIONS (EMAILS, CALLS)
- INTEGRATION WITH MULTIPLE SERVICES: KAFKA, SPARK, AWS, ETC.

IntelliSite
h8M-X
03.9°F
h8M-X2
101.1°F
h8M-X1
ALERTS TODAY
28
LAST HOUR
26
LAST 15min
28
SYSTEM STATUS
CONNECTED
CALIBRATION
SETTINGS
ALERTS
AUDIO

INTELLISITE hBM BY THE NUMBERS

100+
people scanned per minute

80%
less screening time

70%
cost savings

temperature verified By secondary device added to database

+1M
screenings can be recorded in the database

additional AI software modules can be enabled

IntelliSite

intellisite.io

ANS
AdvancedNetworkServices
BUILDING RELIABLE
CONNECTIONS

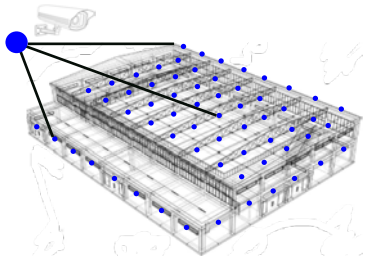
ANS Suite of Services

- Tower
- AC/DC Power
- Network Infrastructure & Design
- Maintenance & Monitoring

Temperature Detection Solution Use Cases

Use Case Characteristics

Environments requiring a “Wide-area LAN”
WiFi isn’t an option (reliability, security)
Multiple applications within a wide-area deployment (vehicles, IoT, etc)
Public networks aren’t an option (availability, bandwidth, security)



Warehouse

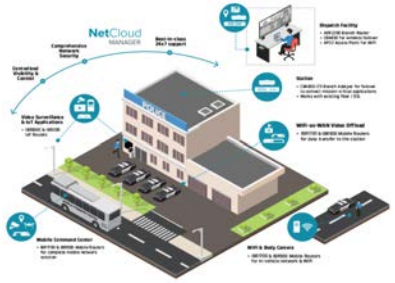
Similar: Factory, Distribution Center

- Temperature Detection Solution
- Video surveillance
- High-def cameras
- Local Storage

Amusement Park

Similar: Stadium, Airport, Shipping Port,

- Temperature Detection Solution
- Retail stores & QSRs
- Vehicles (service, bus)
- Kiosks & digital signage
- Security & surveillance



Smart City

Similar: Enterprise Campus, University, Military Base, Mining, Oil & Gas

- Temperature Detection Solution
- Video surveillance
- Police car video offload
- Smart lighting & meters
- Incident command centers

Hospital

Similar: Hotel, Office Building, Shopping Mall, Library

- Temperature Detection Solution
- Medical Equipment
- Patient Kiosks
- Ambulances
- IP Cameras

Cradlepoint & IntelliSite Partnership

- As a Cradlepoint seller and partner, ANS provides a design, build, and managed services approach in the OnGo Private LTE space. We work with customers and partners to understand their needs, deploy a system custom-tailored to their use, and provide ongoing support.
- As an authorized IntelliSite seller and partner, ANS Advanced Network Services LLC provides a complete assessment, analysis, integration, and ongoing monitoring for the IntelliSite Human Based Monitoring (hBM) System.

QUESTIONS

anscorporate.com

BUILDING RELIABLE CONNECTIONS

Contact Us to Learn More

Paul Fettuccia
President & General Manager

sales@anscorporate.com

AdvancedNetworkServices

anscorporate.com