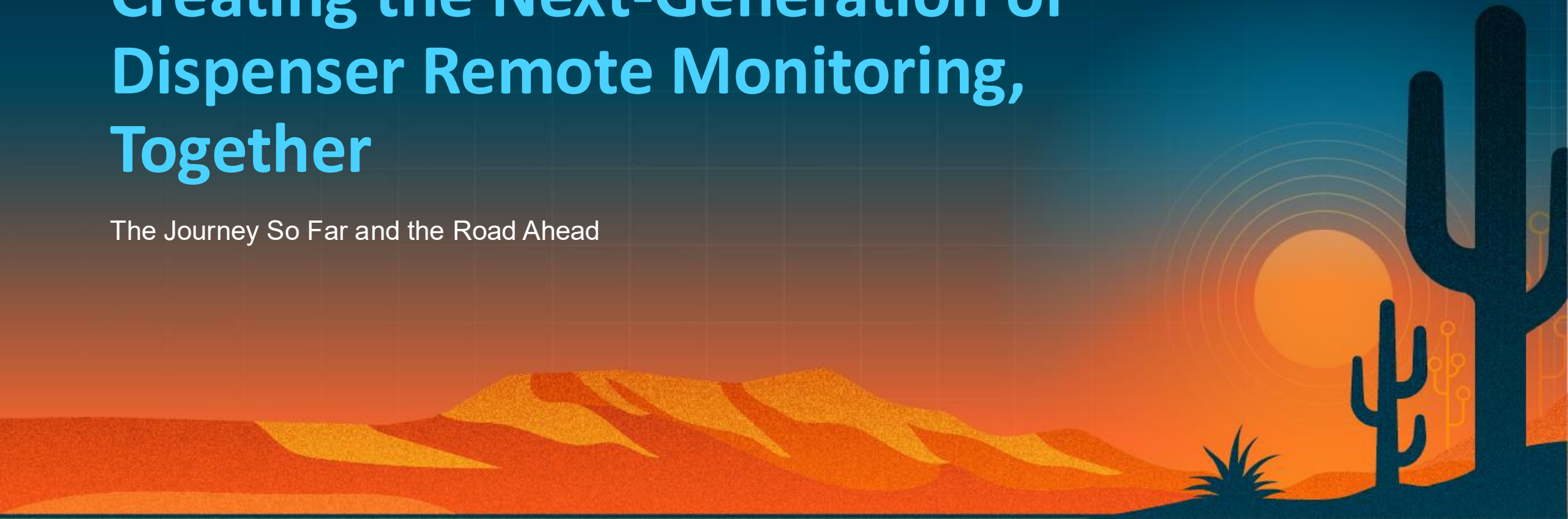


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Creating the Next-Generation of Dispenser Remote Monitoring, Together

The Journey So Far and the Road Ahead





Joe Leonard

Head of Dispensing Products, Americas



Brent Hamby

Global Portfolio Leader

Agenda

01 What We Said

02 What We Have Done

03 Where We Are Going

04 Q&A

What We Said

The background features a stylized desert landscape. The sky is a gradient from dark blue at the top to orange at the bottom. A glowing blue horizontal line is positioned below the title. The foreground shows rolling orange and yellow hills, a small green spiky plant, and several dark green saguaro cacti. A large orange sun with concentric circles is on the right side of the horizon.

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Our Solutions Run the Site 24/7



Cloud
Connectivity

Environmental
Compliance

Point of Sale
Attended & Self-
Service

Car Wash

Energy Management

Wetstock Management

Dispensers

Payment

Media

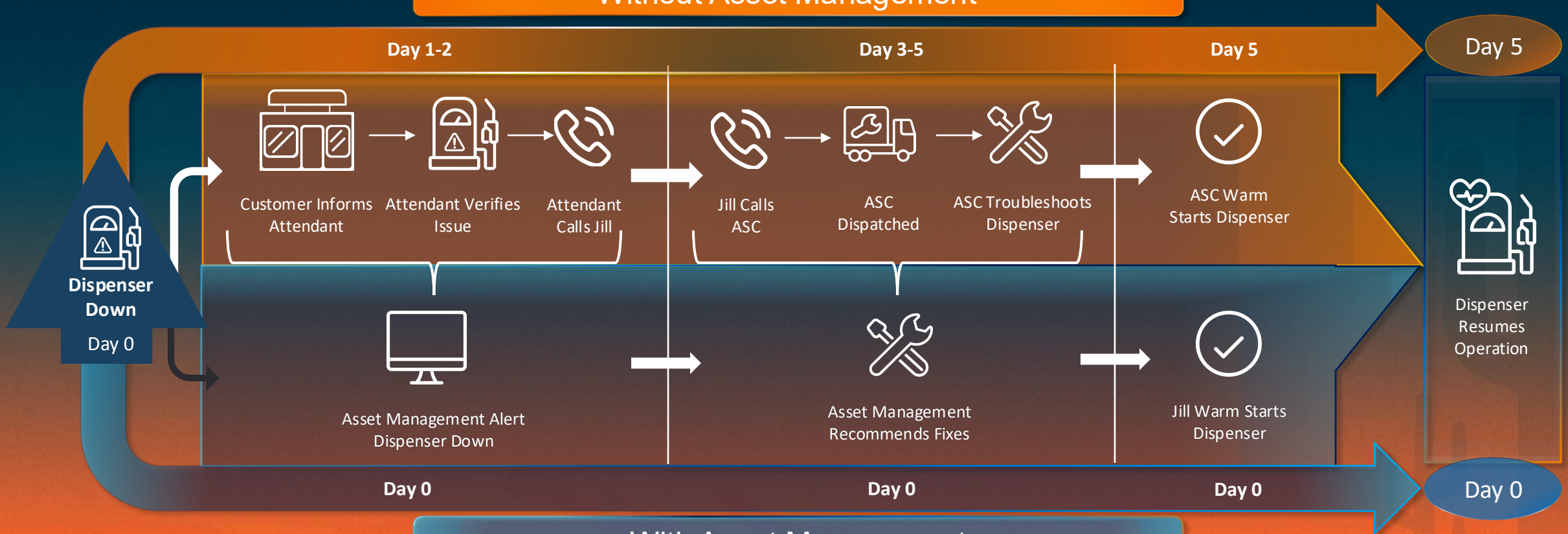
EV

Solving an Issue Today

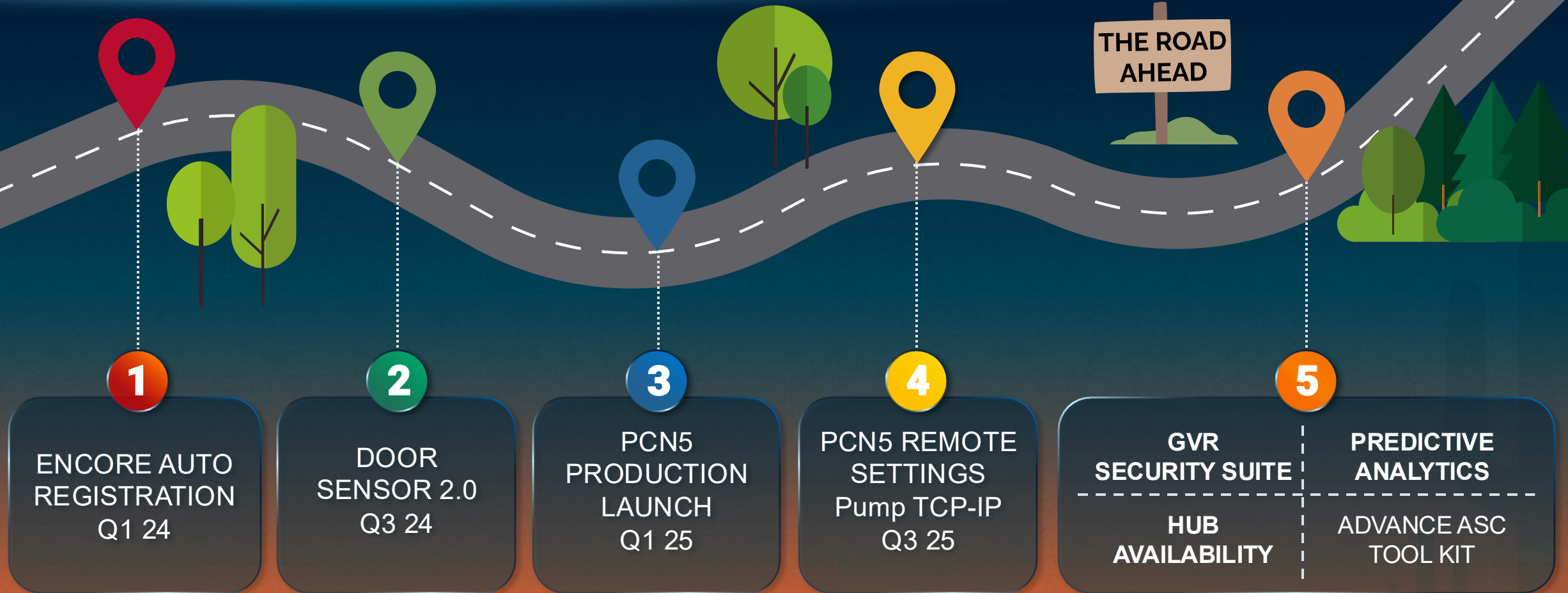


Jill's responsibility is to ensure the highest possible uptime for her fuel dispensers. If a fueling position is down, this could cost the company thousands of dollars per day in lost sales and provides a poor overall customer experience.

Without Asset Management



2024-2025 Connectivity Roadmap

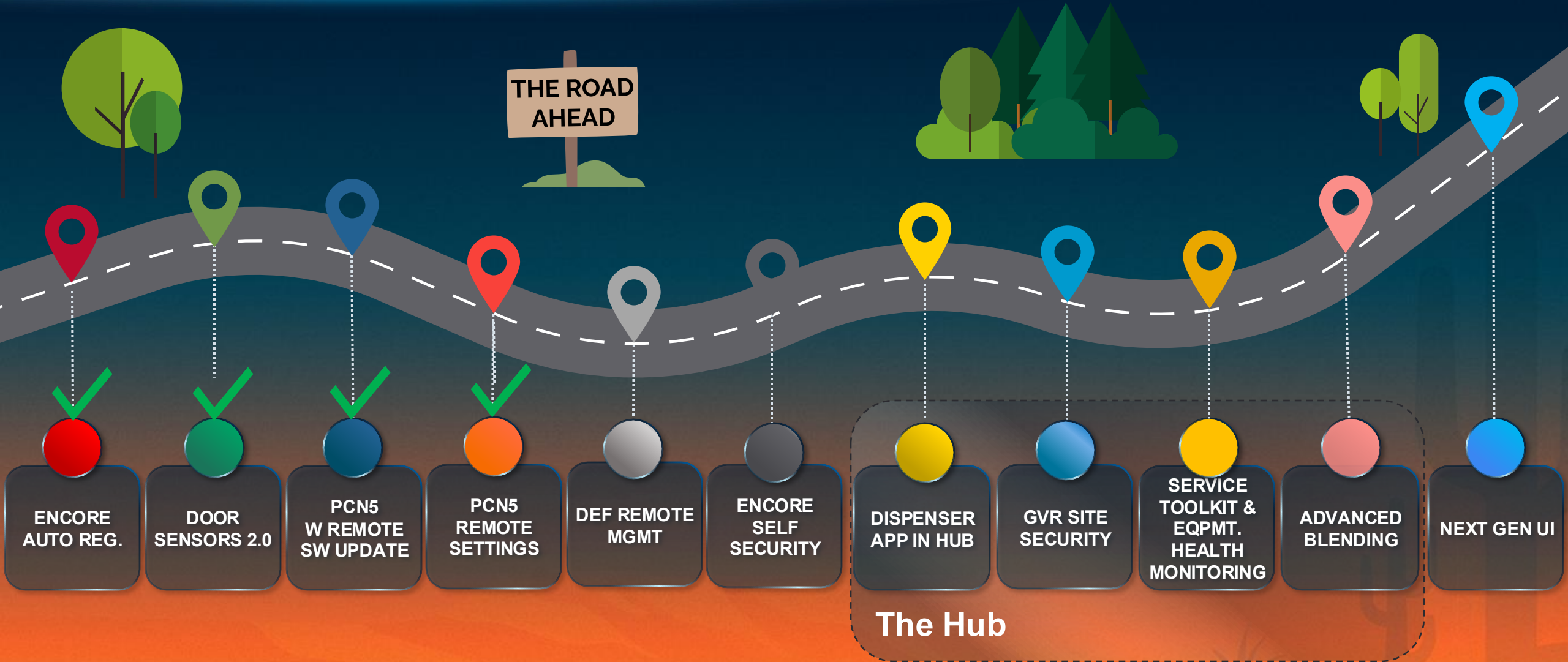


What We Have Done

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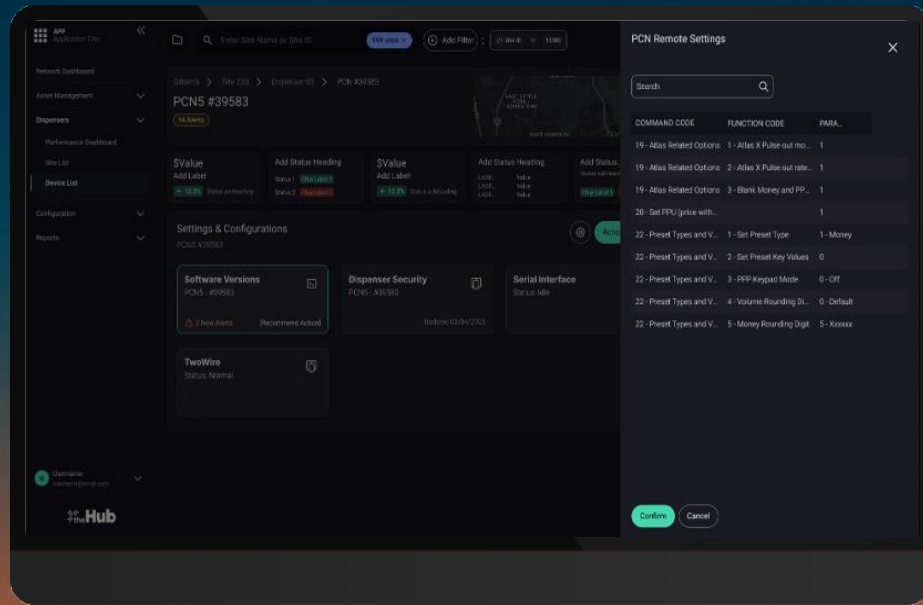


2024-Present Roadmap

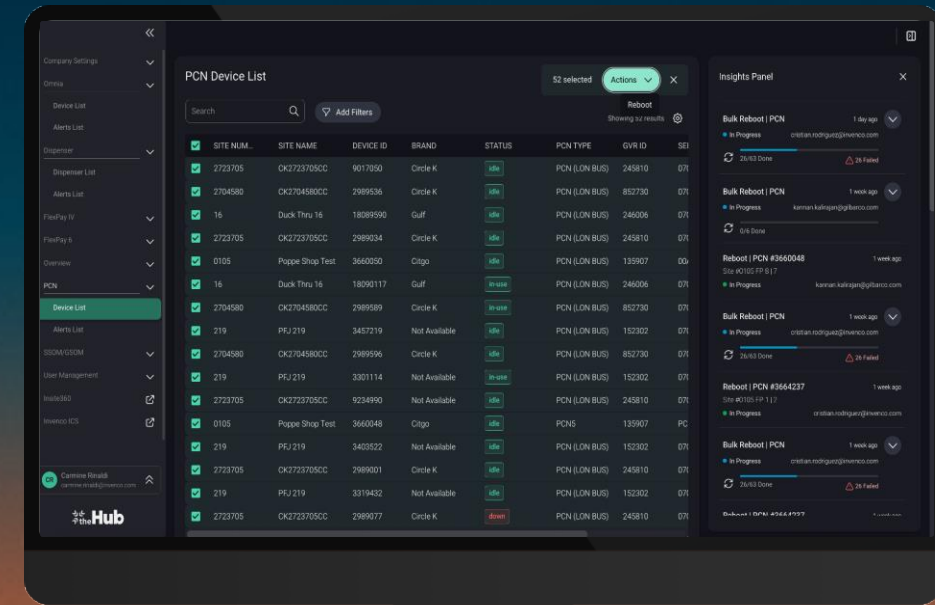


Dispenser Hub App Asset Management

What We Presented as POC



What We Have Now



Auto-Registration and Door Sensor 2.0

Auto-registration: No truck roll required after initial commissioning

- › Omnia serial number now tied to dispenser serial number
- › After commissioning, Omnia attempts IS360 registration every 24hrs
- › When ready to activate IS360, MNSP whitelists IS360
- › Dispenser automatically connects to IS360

Door Sensors 2.0: Enhanced Security with Remote Management

- › Enables remote management of door security pin
- › Enhances door security pin

Remote Monitoring vs Remote Management

Remote Monitoring = Awareness Only



Tracks pump status



Sends alerts



Reduces unnecessary staff calls

Only tells you what's wrong

Remote Management = Awareness + Action



Deploy software updates



Update PCN settings **remotely**



Troubleshoot **before** dispatching techs

Doesn't just flag the issue, it **fixes** it

What is Pump Control Node 5



PCN5
+
OMNIA
+
FORECOURT
=

Simplify software updates and redefine
Encore dispenser network management

Enhance Uptime

| *Streamline Service*

Why PCN5



**Schedule
Remote Updates**



**Remote Settings
Management**



**Combat Fuel
Theft**



**Optimize
Operations**

Now Weights + Measures
Category 3 Certified



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Schedule Remote Updates

Set Your Update Schedule Remotely for Maximum Uptime

- With **PCN5**, you can strategically schedule changes to your dispensers, ensuring **minimal disruption** and **maximizing uptime**.
- **Choose your update times:**
 - Overnight hours
 - Identifying low demand
 - Scheduled maintenance windows



Remote Settings Management

- Make PCN settings updates across your ecosystem
- Centralized Management
- Live Configuration Options
 - Blend Ratios
 - Limit gallons
 - Limit amount
 - Max dispenser timeout
 - 0 flow settings
 - Start time configuration
- Real-Time Monitoring and Adjustments



Now Weights + Measures
Category 3 Certified



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PCN5 Kit Offerings

Category	Part Name	Part Number (2 Sides)	Part Number (1 Side)
Field Retrofit Kit	PCN5	N/A	EK-PCN500-01
	PCN5 & Money Volume Board Upgrade	EK-PCN5M-02	EK-PCN5M-01
	PCN5, Money Volume Board, & PPU Upgrade	EK-PCN5MP-02	EK-PCN5MP-01
	PCN5, Omnia & Money Volume Board Upgrade	EK-PCN5MO-02	EK-PCN5MO-01
	PCN5, Omnia, Money Volume Board & PPU Upgrade	EK-PCN5MPO-02	EK-PCN5MPO-01
Spare Part	PCN5 Board	N/A	M19203A501
	Display Bus Money/Volume Display	N/A	M18830A001
	PCN4+ (LON)	N/A	M16785A915

Notes:

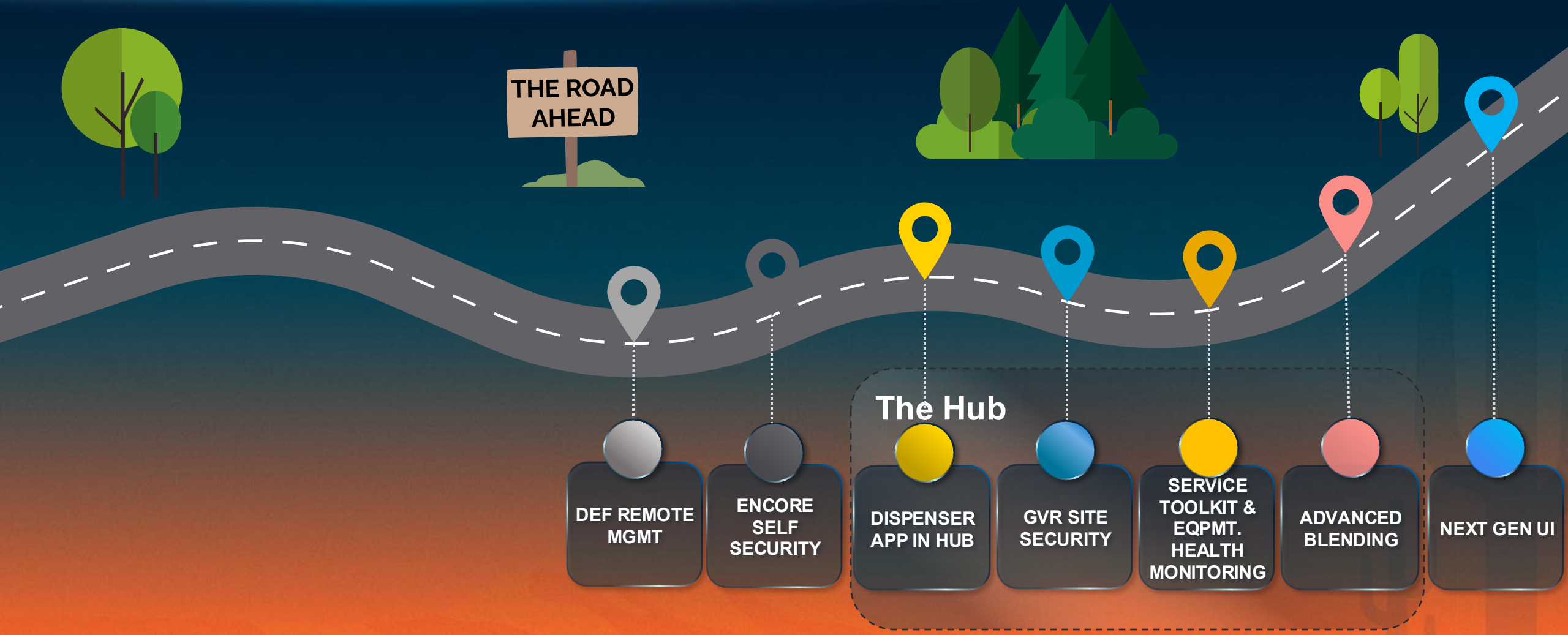
- PCN5 standardized to display bus – requires compatible M/V display and ATC
- Changing dispenser from “LON” to “Display Bus” Triggers Calibration Requirement
- Units older than 2013 require PPU upgrade to support PCN5 – actively working to automate this for FP6 Upgrade Kit Ordering

Where We Are Going

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2026 & Beyond Roadmap



PCN5 DEF Remote Management

DEF Electronics Design Change:



Redesigned DEF electronics, now located in CDM



Replace temperature switches with temperature probes for improved temperature visibility



Probes in both fluid and ambient



Feature Roadmap:

Phase 1:

(Initial Release, Q3 2026)
Remote temperature threshold control & firmware updates

Phase 2:

(End 2026) Network-wide visibility of DEF unit and fluid temperature

Phase 3:

(2027) Proactive Freeze Warnings and Real Time Freeze Notifications

Future Phases:

(2027+) Equipment Health Monitoring

Software and Cloud Security Roadmap

Remote Settings

Available Now (PCN5)

- Limit gallons
- Limit amount
- Max dispenser timeout
- 0 Flow
- Start Time

Dispenser Self Security

Active

- PCN monitors flow and transaction time
- Characterizes fraudulent behavior
- Automatically halts transaction when threat detected

Unauth. Flow Detection

Proof of Concept Testing

- PCN5 to detect unauthorized flow
- Real-time IS360 notification

GVR Site Security

Concept Definition

- Site level integration between GVR devices
- Deploy system level response
- Advanced remote functionality with additional sensors to detect dispenser fraud

We Need Your Feedback



Remote
Management & Dispenser
Hub App

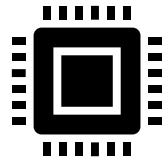


Equipment
Health Monitoring



Next Gen UI

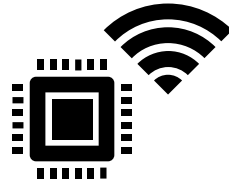
Dispenser Electronics Functionality Comparison



SSoM –

Remote Monitoring

- Troubleshooting
- Error and status notifications
- Remote reset & power cycling
- OPT reboot, alarms & reporting



Omnia & PCN4+ –

Basic Remote Management

- Door Sensors 2.0
- IS360 Auto Registration
- ICS Access (FP6)
- OPT RKI and Config Settings
- Dispenser Hub App “Lite”



Omnia & PCN5 –

Advanced Remote Management

- Remote software deployment (PCN)
- Remote settings management (PCN)
- Dispenser Cloud Security Suite
- Dispenser Hub App
- Dispenser Health Monitoring
- Foundation for Future Development

● Available Today ● Future Capabilities

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Thank You

