

# Sensors

Automate for peace of mind.



### **Phoenix Hospitality Group**

### Hospitality

Stock check

Data visualization & integrations with BI tools

Sensor alerts temperature risk

#### District Manager

Property condition reports Training strategy & development Corrective actions from food safety Checklist and cost of goods sold results Employee recognition/shoutouts Facilities licenses management (expiry/copy on site)

#### **General Manager**

Mystery shopper results Operations inspection Cleanliness inspections Brand standards & brand compliance Maintenance and repair management Fire extinguisher checks Staffing, hiring, training, scheduling Weekly Quick visits (food safety/Ops) & Quarterly full day deep dive into ops with corrective actions

Chefs Shift Lead New menu training Team training check Cash handling checks Inventory reports New menu training HACCP program Food quality checks **Digital HACCP line checks** Manual handling training Cost of goods sold checklist Bathroom cleaning checks Hot holding logs Cleaning / housekeeping 6 hour cooling procedure Lone worker (Opening/Closing) BOH opening & closing checklist HSE training (Knife handling, slips/falls, CPR) Maintenance & repairs reporting via Issues

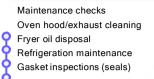
Spill

Spill hazard reported

communication received

Equipment

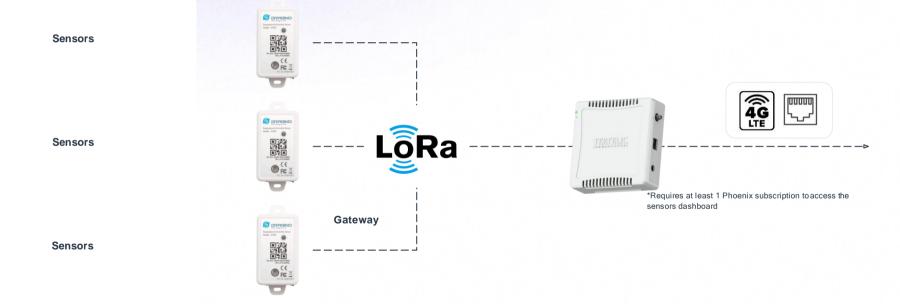




Temperature monitoring Humidity monitoring Food probe temperature checks

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### Sensor hardware



### **Standard Sensor**



### **Operating temperature** Standard -40C to +80C / -40F to +176F Probed -55C to +125C / -67F to +257F Temp ± 0.3°C / & Humidity ± 2%RH Accuracy Long Term Drift <0.03°C / <0.25%RH per year Battery Replaceable battery ~3 years use, up to 10-year device life IP Rating IP64 Use Case Suitable for standard fridge applications ~100m/300ft (may vary depending on environmental conditions) Range

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### **Industrial Sensor**



### **Operating temperature**

Standard	-40C to +80C / -40F to +176F
Accuracy	Temp ± 0.2°C / & Humidity ± 2%RH
Long Term Drift	<0.03°C / <0.25%RH per year
Battery	Single use battery ~3-4 years use
IP Rating	IP66 for long term industrial use
Use Case	Suitable for walk in freezers & industrial settings
Range	~100m/300ft (may vary depending on environmental conditions)

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### **Bluetooth temperature probe**



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Key features
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Temp Range	-50C to +300C / -58F to +508F
Accuracy	± 0.4°C
Connectivity	Bluetooth LE
Battery	1 x 1.5-volt AAA - 1,000 hours
IP Rating	IP66
Use Case	Suitable for hospitality, and certain manufacturing use cases
Range	~30m/100ft from mobile or tablet

# Industrial Sensor (high temp)



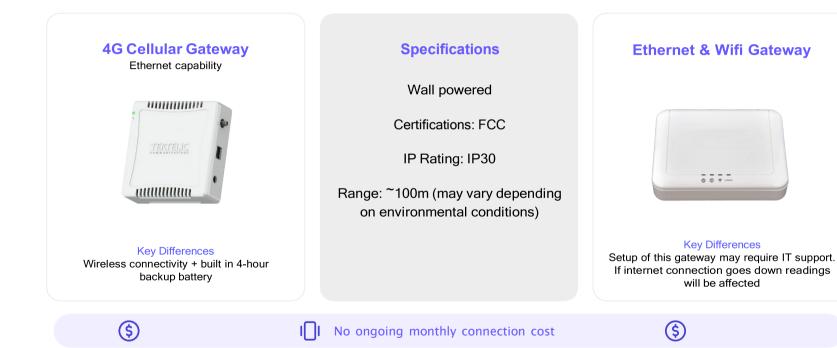
### **Operating temperature**

Standard	-70 ~ 550°C / -94 ~ 1022°F
Accuracy	0 ~ 80°C ± 0.5°C (32 ~ 176°F ± 0.5°F)
Battery	Single use battery ~3-4 years use
IP Rating	IP66 for long term industrial use
Use Case	Suitable for extremely high temperature environments
Range	~100m/300ft (may vary depending on environmental conditions)

PHOENIX HOSPITALITY GROUP



### **Gateway hardware**



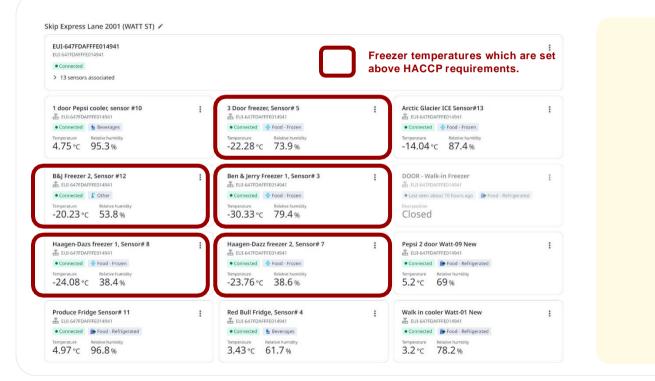
### Return on Investment & Case Studies





# **Skip The Dishes: Energy savings**





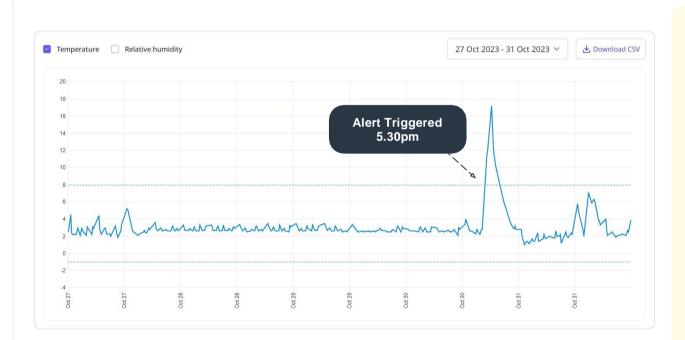
HACCP

"The freezer temperature should be -17.7°C (0°F)" <u>FDA</u>

Every 1°C reduction in temperature below 4°C is a <u>+5%</u> <u>increase</u> in energy costs

# **Public Hospitality: Door Left Open**

# PUBLIC



National Food Safety Manager, Public Hospitality

> "The team had left the door open on the walk-in cool room and then closed the kitchen! I got the alert and had someone drive backand close the door. We **saved \$10k** of stock in that cool room!"

# **Marley Spoon: Tripped Circuit Breaker**



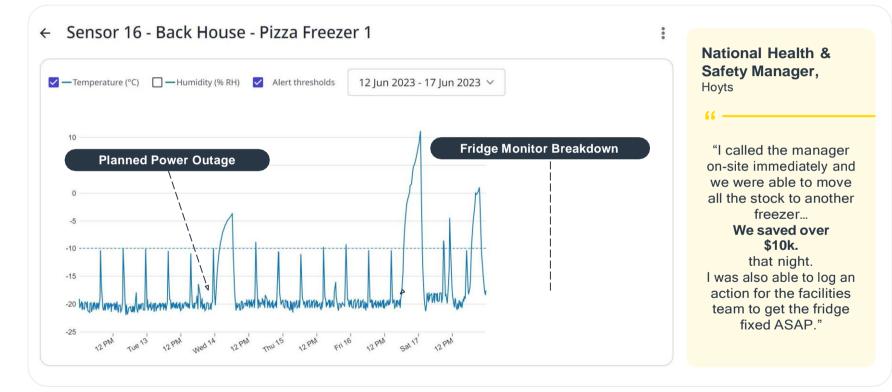
OLD COOLROOM RIGHT SIDE- ... / 4 12 Aug 2019 - 2 Sep 2019 V 10 Alert Triggered MAMAN S .0 -3 Sat 31 Septem — Temperature (°C) 🗸 Alert thresholds

Food Safety QA Specialist, Marley Spoon

> "We called an electrician to come, they found that one of the breakers tripped which was causing the system not to cope well."

### **Hoyts: Power Outage**





### Waldorf Astoria: Customer Satisfaction

# Improving guest satisfaction with delicious and safe food

15 Points of improvement in terms of F&B guest satisfaction

**General Manager,** Waldorf Astoria Boca Raton

#### "

"Food and beverage is up 15 points in terms of a guest satisfaction standpoint. To see that level of change speaks a lot about a system like Safety

