

Building the Future for Connected Health Solutions

Continuous Vital Sign Monitoring for Hospitals

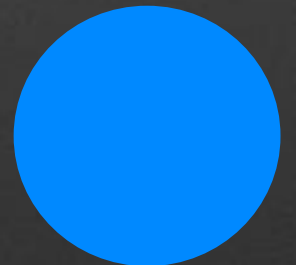
The Current Problem: World Health Crisis

GLOBAL HEALTH CRISIS

The COVID-19 pandemic is a global health crisis affecting millions and challenging hospitals and clinical centers around the world



Over 10 M CASES WORLDWIDE



Why Hospitals are Facing Challenges with COVID-19

CURRENT CHALLENGES

INCREASED RISK OF CROSS INFECTION

MEDICAL SHORTAGES (PPE)

REDUCED QUALITY OF CARE FOR PATIENTS



The Need for Effective Vital Sign Monitoring Solutions in Hospitals



TRADITIONAL METHODS OF PATIENT MONITORING ARE:

COSTLY

PRONE TO MANUAL ERROR

NOT RESOURCE EFFICIENT

The Solution: Cassia's Gateways for Continuous Vital Sign Monitoring in Hospitals



CASSIA'S BLUETOOTH GATEWAYS TO CONNECT ALL MEDICAL DEVICES IN HOSPITALS

Why Leading Healthcare Solution Providers Choose Cassia Networks



COST-EFFECTIVE WIRELESS SOLUTION

ADVANCED SECURITY FEATURES

**FLEXIBLE DEVICE CONNECTIVITY FOR
EFFECTIVE PATIENT MONITORING**

FAST DEPLOYMENT, RAPID TIME TO MARKET

Advanced End-to-End Security



Cost-Effective Wireless Solution



**24 HOUR REMOTE PATIENT MONITORING
REDUCES WORKLOAD**

IMPROVES OPERATIONAL EFFICIENCIES

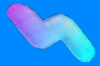
**REDUCED DEPLOYMENT AND
EQUIPMENT COSTS**

Reduces Risk of Cross-Infection

Data is uploaded wirelessly

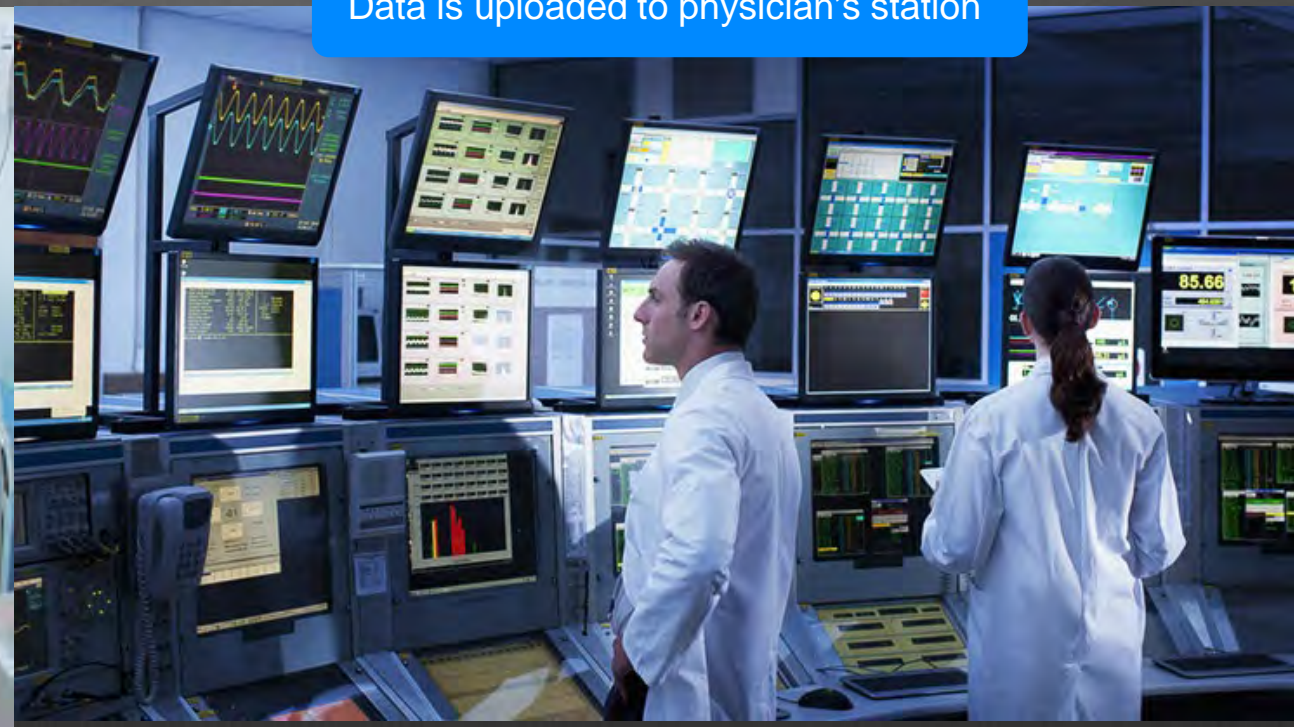


E1000 Gateway



Patients wear medical sensors

Data is uploaded to physician's station



Long Range Capabilities



**LONG-RANGE
CONNECTIVITY: 300 M**

**FEWER GATEWAYS NEEDED TO COVER
MULTIPLE ROOMS IN HOSPITALS**

**REDUCED DEPLOYMENT AND
EQUIPMENT COSTS**

Pure Scan Mode™

(E1000 & S2000)

FEATURES

STRONG SCANNING CAPABILITIES

IMPROVED RELIABILITY IN NOISY
ENVIRONMENTS

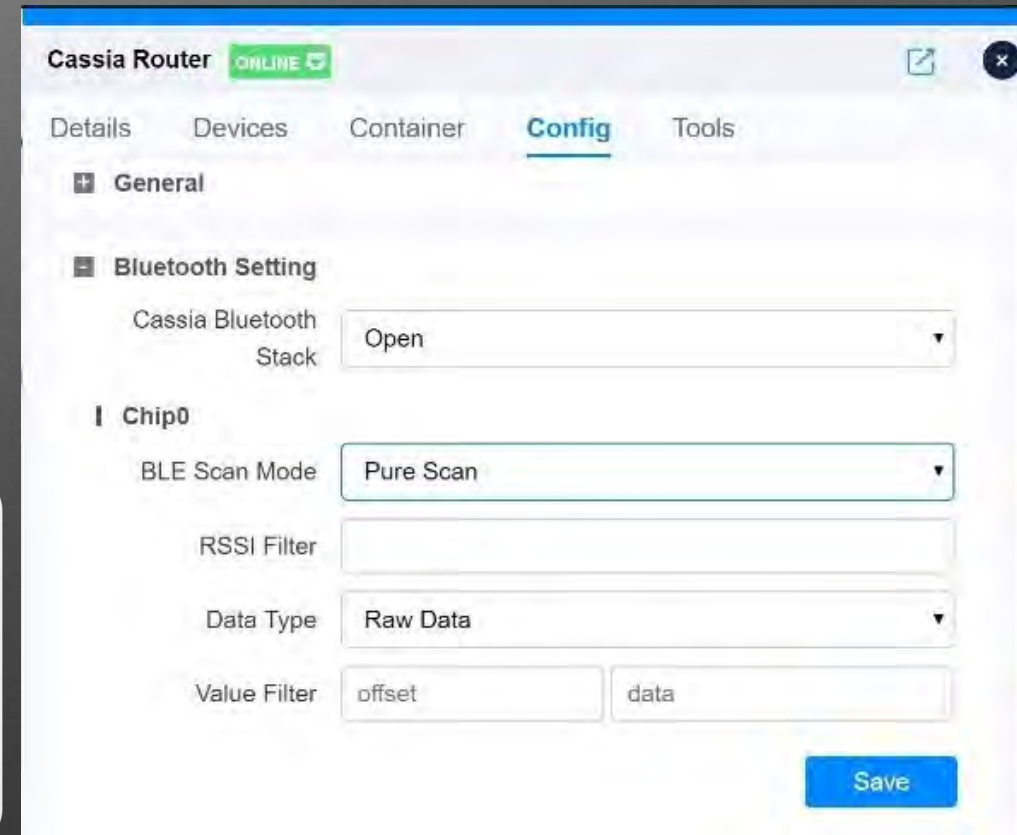
IDEAL FOR HOSPITALS



E1000 Gateway



S2000 Gateway

A screenshot of the Cassia Router web interface. The top bar shows 'Cassia Router' with an 'ONLINE' status indicator. Below the bar are tabs for 'Details', 'Devices', 'Container', 'Config' (selected), and 'Tools'. The 'Config' tab is active, showing a 'General' section with a plus icon. Under 'General', there is a 'Bluetooth Setting' section with a minus icon. The 'Cassia Bluetooth Stack' is set to 'Open'. Below this is a 'Chip0' section with a minus icon. The 'BLE Scan Mode' is set to 'Pure Scan'. The 'RSSI Filter' is empty. The 'Data Type' is set to 'Raw Data'. The 'Value Filter' has two input fields: 'offset' and 'data'. A 'Save' button is at the bottom right.

Multi-Connection High Bandwidth Bluetooth Network

FEATURES

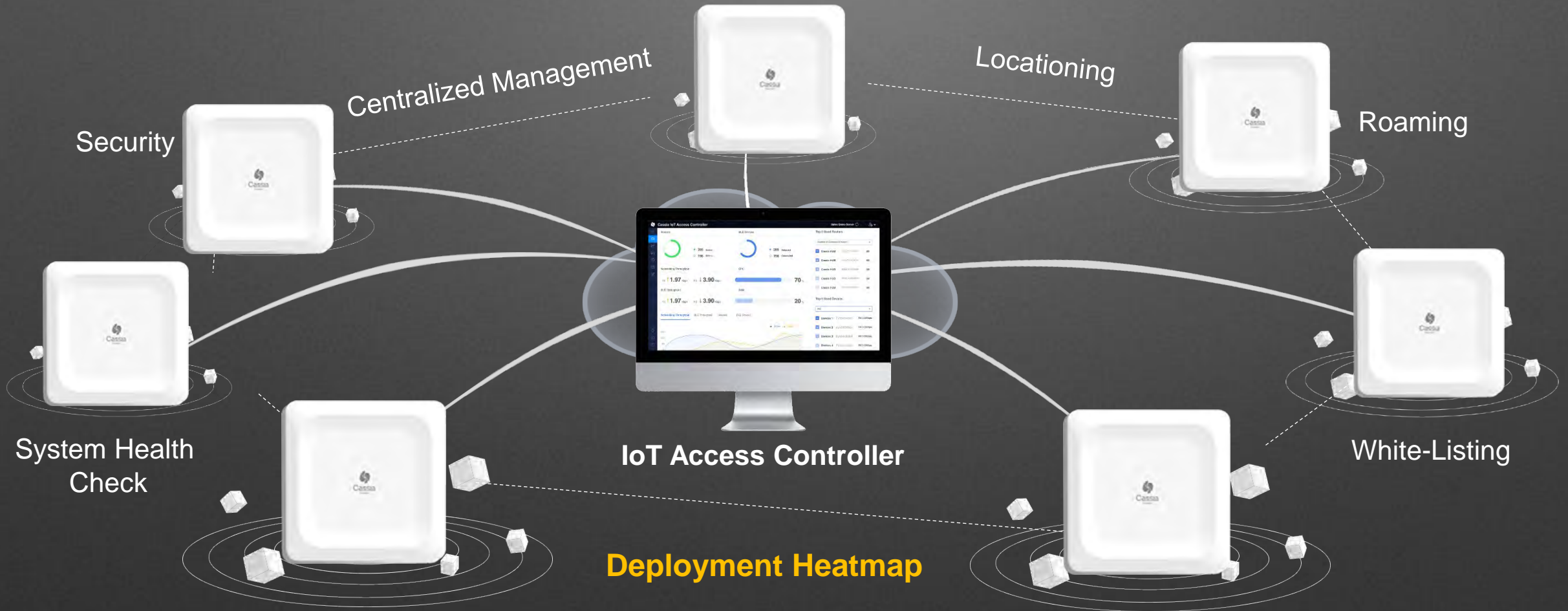
SIGNIFICANTLY IMPROVES CONNECTIVITY

IDEAL FOR CONTINUOUS HIGH BANDWIDTH CONTINUOUS MONITORING (ECG) IN HOSPITALS

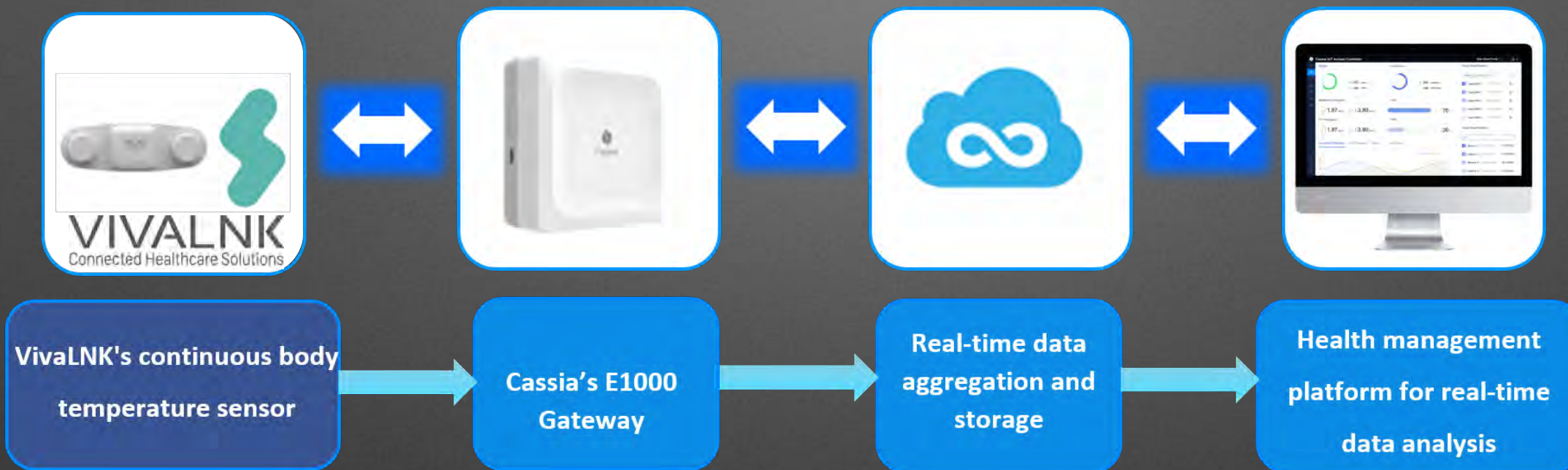


Easy Deployment & Management

IoT Access Controller (AC)



Partner Use Case: VivaLNK's Continuous Body Temperature Sensors and Cassia's E1000 Gateways



SOLUTION BENEFITS

**REMOTE PATIENT
MONITORING**

**MINIMIZES RISK OF
CROSS-INFECTION**

**IMPROVED QUALITY
OF PATIENT CARE**

**REDUCES OVERALL
COSTS**

Partner Use Case: PMD Solutions' RespiraSense Continuous Respiratory Rate Monitoring Solution



RespiraSense Air Ward RR Telemetry System



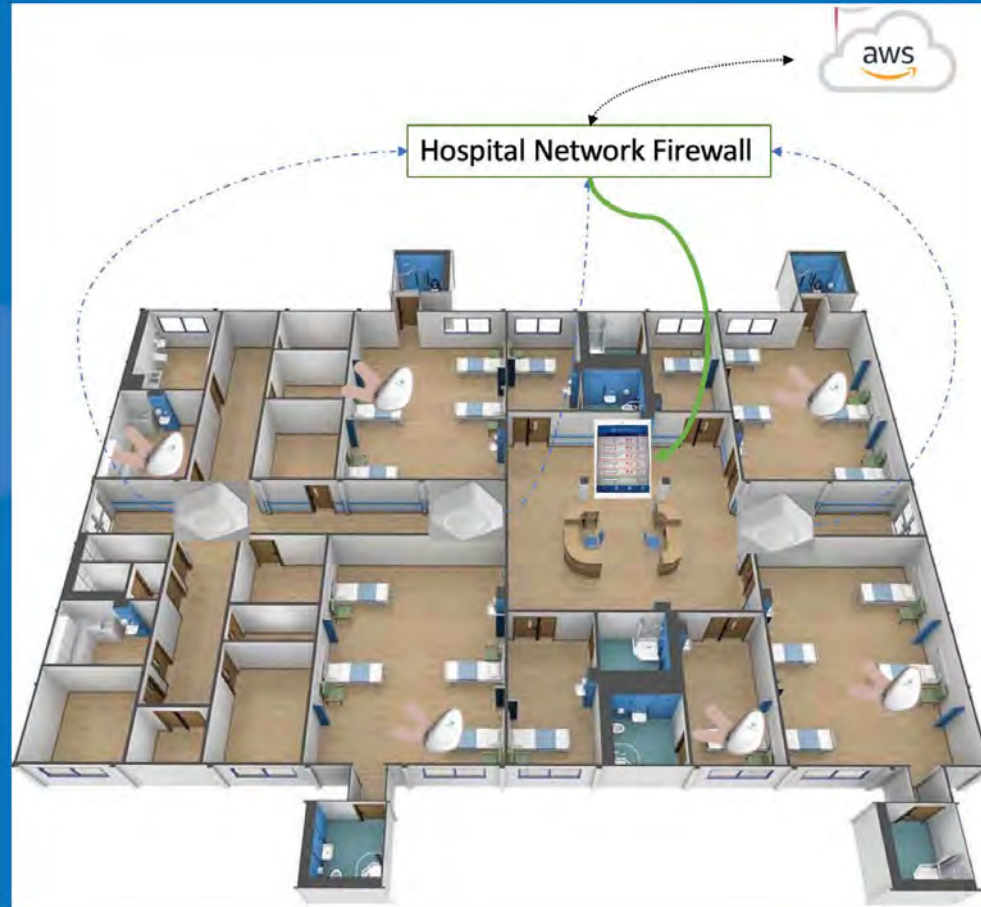
RespiraSense Patient Monitor



RespiraSense Air Dashboard



RespiraSense Air Gateway



SOLUTION BENEFITS

REDUCES RISK OF CROSS-
INFECTION

MINIMIZES SHORTAGE OF
CRITICAL PPE

PROVIDES EARLY DETECTION
OF PATIENT DETERIORATION

COST-EFFECTIVE SOLUTION

Partner Use Case: Medtronic Continuous Blood Glucose Monitoring for Hospitals

