

Smart Shelters & Community Services

A practical modernization framework for safer facilities, connected operations, resource visibility, and improved access to services.

CONNECTED OPERATIONS. HUMAN-CENTERED SERVICES.

Why Modernize Shelter Operations?

Modernize with purpose

Shelters and community resource centers coordinate facilities, people, supplies, safety, connectivity, and support programs. Modernization can improve visibility and workflows while preserving a welcoming service environment.

- Improve visibility across assets, inventory, facilities, and services
- Strengthen safety, access control, and situational awareness
- Support digital access, telehealth, kiosks, and community resources
- Use data and analytics to guide resource allocation and planning
- Build scalable solutions around readiness and privacy requirements



Five Operational Challenge Areas

1 Operating Costs

Facility, staffing, utility, and security demands require disciplined resource planning.

2 Resource Visibility

Inventory, supplies, critical assets, and donations may be difficult to track consistently.

3 Safety & Security

Balance access, security, accountability, and a welcoming environment.

4 Health & Wellness

Improve access to care, telehealth, wellness resources, and support programs.

5 Operational Data

Timely information supports planning, utilization, and resource allocation.

6 Start with Outcomes

Begin with goals, user needs, readiness, and operational constraints.

The Horizon IoT Approach

1 Assess Organizational Needs

Clarify objectives, workflows, infrastructure, services, constraints, and success measures.

2 Build the Solution Ecosystem

Combine technology, connectivity, software, infrastructure, healthcare, and service partners.

3 Enable Connected Operations

Integrate RFID, sensors, networks, kiosks, analytics, access systems, and platforms.

4 Support Long-Term Sustainability

Plan for training, governance, privacy, maintenance, measurement, and expansion.

Connected Shelter Technology Layers

Resident & Staff Experience

Digital access, check-in, kiosks, telehealth, service navigation, and communications.

Operations & Applications

Inventory, workflows, service coordination, dashboards, alerts, and reporting.

Data & Integration

APIs, analytics, access controls, cloud or local data, and interoperability.

Connectivity & Security

Wi-Fi, cellular, secure remote access, resilience, and cybersecurity.

Devices & Infrastructure

RFID, sensors, readers, cameras, access systems, lighting, monitoring, and edge devices.

Solution Areas

RFID & Asset Visibility

Check-in options, inventory, donations, bedding, clothing, tools, and accountability.

Smart Facility Operations

Environmental monitoring, smart lighting, maintenance alerts, and utility visibility.

Safety & Situational Awareness

Access control, occupancy awareness, surveillance integration, and alerts.

Digital Access & Connectivity

Wi-Fi, cellular, kiosks, workforce resources, education, and community connections.

Health & Wellness Enablement

Telehealth, wellness resources, connected health, and care coordination.

Analytics & Decision Support

Dashboards, utilization trends, inventory insights, and program improvement.

Flexible Deployment Models

Cloud-Based

Operating model

Rapid implementation, scalable services, and reduced local infrastructure burden.

BEST FIT

Speed and centralized management.

On-Premises

Operating model

Local infrastructure, extensive control, and organization-managed environments.

BEST FIT

Maximum local control.

Hybrid

Operating model

A balanced combination of cloud services and local systems.

BEST FIT

Flexibility and phased modernization.

From Assessment to Optimization

1

Assess & Plan

Requirements, readiness, objectives, infrastructure, privacy, and success measures.

2

Design & Integrate

Architecture, products, connectivity, applications, security, and data integration.

3

Pilot & Validate

Test technologies, workflows, usability, partner participation, and outcomes.

4

Deploy & Train

Configuration, installation coordination, onboarding, training, and guidance.

5

Support & Improve

Monitoring, maintenance, optimization, reporting, and continuous improvement.

Phased and measurable

Configuration depends on organizational goals, readiness, and requirements.

Build the Right Ecosystem



Next Step: Define a Practical Pilot

Start with a focused use case

A pilot can validate operational value, user experience, technology fit, integration needs, privacy requirements, and a path to scale.

- Select one facility or operational workflow
- Identify measurable outcomes and stakeholders
- Confirm infrastructure, privacy, and security requirements
- Evaluate technologies and partner responsibilities
- Pilot, learn, and refine before broader deployment

HORIZON IoT | CONSULT • INTEGRATE • DELIVER

