

# Solving for safer utilities

Protecting people, property and places.

Today, modern utilities are facing ever-increasing demands for reliable, secure service delivery. And the utility business model is fundamentally more complex today than it was even five years ago. Technologies – such as electric vehicles, roof-top solar panels and smart meters – are more prevalent and increasing power consumption. As a result, energy storage is playing an increasingly critical role in balancing load demands. In addition, the nation's electrical grid infrastructure needs to become more flexible, reliable,

secure and sustainable, requiring full grid modernisation. On top of this is the ongoing mandate to ensure the continuation of service and quick restoration after an outage to produce a high level of customer satisfaction. All of this must come together to ensure utilities can generate and deliver energy to customers in an environment built on a foundation of safety and efficiency for people, properties, critical assets and the community.





# Securing critical infrastructure with connected technologies

## Powering neighbourhoods and keeping communities and businesses thriving

Our safety and security ecosystem works together to help your teams respond to and recognise patterns, anticipate actions and prevent situations before they escalate into emergencies. From the moment power is generated to when a light is switched on, you can secure your facilities and employees by connecting your critical communications, video security, access control, data and analytics.

If you need help with	Our ecosystem provides
Physical site security	Unified communications and connected technology at every facility, ensuring all sites are secure and monitored for potentially disruptive incidents
Staffing shortages & worker safety	Stronger, more intelligent site coverage to help protect workers conducting activities in groups or alone
Interoperability & consistent connection	Flexibility to connect between radios and networks
Community notification	Mass notifications and alerts to keep customers in your community informed in any situation
Operational efficiency	Connected voice, video, data, analytics, and command center operations into a streamlined and easily actionable workflow



# Discover the technology that helps you tackle each challenge and turn it into a positive outcome:

## Intelligent site coverage:

- Two-way radios for rapid, reliable communications that work with fixed video and access control for alerting, full facility coverage and seamless situational awareness
- Number plate recognition and video analytics alerting you of trespassers, unwanted individuals or loitering, enhancing full-day security guard coverage
- Texting and polling features for shift coverage

## Situational intelligence:

- Incident management software for proven incident and records management to enhance response and reduce risk
- CommandCentral Aware to connect to and remotely assist security and public safety officers when they reach the site for locating, tracking and mapping incidents
- Access control to unlock specific doors and entry points when authorities arrive on the scene

## Reliable and efficient alerting:

- Mass notifications to instantly notify customers and community members of incidents, outage status, important announcements or other relevant information
- Flexibility to respond quickly, notifying customers around the uncertainties of extreme weather and natural disasters
- Ability to notify through voice, text or email

## Operational efficiency and site awareness:

- Video cameras and analytics to conduct regular inspections on-site and optimise maintenance schedules
- Tactical incident management and process automation to ensure key stakeholders follow all necessary response steps
- Targeted mass notifications to inform pre-segmented groups for upkeep, facility support or repairs
- Body cameras to capture and share live video evidence and location in an incident on-site

## Safer shifts, and properties:

- Panic buttons to empower staff to get help instantly from the push of a button
- Body cameras to provide transparency and an unbiased witness in the case of an incident or a disruptive customer
- Video security to provide visibility across vast areas, identify anomalies and enable 24/7 situational awareness
- Access control to secure entry points and automatically alert when a door is propped open or breached
- AI-powered video analytics to detect banned individuals, number plates, weapons or unusual activity
- Mass notifications via text, email and voice to notify the right people with the right information at the right time
- Gas, temperature and chemical sensors that immediately alert security upon detection



## Key ecosystem components for safer utilities:



### Critical Communications

Combine the devices and networks that perform exceptionally in the harshest conditions, so you can stay connected and communicate clearly.

- Extreme temperature, freezing cold or searing heat: our device can take it
- Outdoor or in gritty work environment, our devices keep out dust and keep you connected
- Rugged device construction means that dropping your device won't leave you disconnected
- Water, firehose spray, rain or a spilled drink: our devices can get wet and keep working



### Video security & access control

Strengthen safety and help ensure visibility across your sites, regardless of lighting challenges, harsh weather, or other environmental conditions with integrated video security and access control systems built to secure vulnerable areas and streamline operations.

- Complete situational awareness
- Cloud versatility
- Driven by AI
- Manage from anywhere



### WAVE PTX™ Carrier Independent Broadband MCPTT

Connect your team with greater speed and efficiency with a push to talk over mobile phone service without boundaries. With heavy-duty traditional and lightweight, wearable communications options that work together, your employees can have a device to meet their needs.

- Instant PTT communication
- Multimedia messaging
- Nationwide service



### Body Cameras

Having an objective, unbiased witness matters. Wearing a body camera can ensure employees, from security guards to field technicians, can capture evidence-grade video of any situation that unfolds.

- Rugged and intuitive design
- Maintain evidential integrity
- Pre and post-recording
- Immediate footage offload



### HALO Smart Sensor

The HALO Smart Sensor is an IoT device that accurately detects vaping, THC levels, aggression, gunshots, motion and more. The device helps ensure the safety of privacy rooms by not using visual or audio recording and detects air quality and anomalies that go unnoticed by security cameras.

# Take safety & security to the next level

It's time to rethink what safety can do—driving efficiencies, bolstering performance and helping you deliver a secure space. Motorola Solutions' safety and security ecosystem brings together the technologies and solutions you need to detect, analyse, communicate and manage, solving for safer utilities and powering your community.

Learn how Motorola Solutions can help power physical safety and critical communication with our safety and security ecosystem. [motorolasolutions.com/solutions/utilities](https://motorolasolutions.com/solutions/utilities)

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