WORKING TOGETHER FOR SMARTER PERFORMANCE

BRINGING SAFETY, PRODUCTIVITY AND EFFICIENCY TOGETHER WITH ONE TECHNOLOGY ECOSYSTEM

A NEW WORLD OF CHALLENGES

Every business wants to be the best they can be, unleashing their potential and achieving success. The goal is to create an environment where operations work seamlessly and people are equipped to handle their tasks confidently. An environment where assets and individuals are connected so everyone works safer and more productively for true business efficiency.

In today's tough commercial and service industries, achieving these collaborative goals can be difficult. Market pressures have never been more challenging; with a global economy ravaged by the coronavirus pandemic, intense competition for business, rapidly evolving working practices, and ever-increasing customer demands. Technology is also changing rapidly, leaving many systems outdated and prone to information overload. Against this new reality, organisations must also comply with stringent regulations while honouring their environmental and ethical responsibilities.

THE POWER OF TECHNOLOGY

One of the best ways to counter these pressures and avoid common pitfalls such as disparate and outdated systems is to ensure you have the right technology in place to deal with uncertainty. In this Solutions Brief, we take a deeper look at the latest technology and the role it plays in the smooth running of operations. We will explore how technology transforms reactive workflows into proactive ones, driving the productivity of individuals and the efficiency of an organisation. With continuous evaluation, technology can support your business today and into the future, focusing on the now while preparing for the next challenge.

MOTOROLA SOLUTIONS

WORKING TOGETHER FOR SMARTER PERFORMANCE

The most effective technology doesn't work alone. For the best results, it should be deeply-rooted throughout a business, connecting assets and individuals together, and enabling everyone to go about their jobs with the confidence that they are making informed, intelligent decisions.

By allowing everyone to communicate and learn from each other, technology provides a springboard for success. It encourages the entire organisation to work together as one team and realise new possibilities. With safety, productivity and efficiency maximised, your business is ready to counter market pressures, deal with competitors, take advantage of opportunities and satisfy customer demands. In every task and challenge, technology allows you to perform smarter.
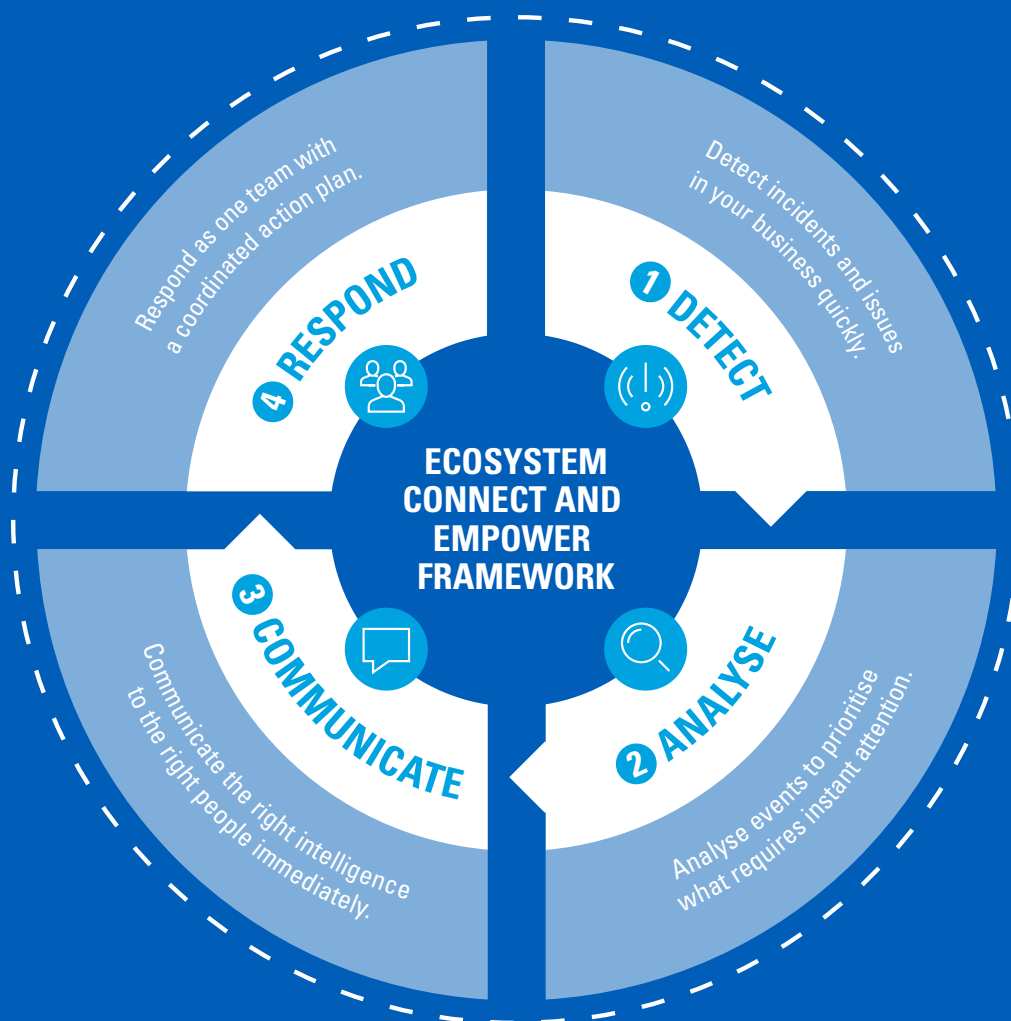
INTRODUCING THE ECOSYSTEM

Motorola Solutions helps you integrate technology into your business with our ecosystem to unify voice, data, video, and analytics onto one single platform. Behind our approach is a belief that safety, efficiency and productivity are deeply interrelated.

Solutions which make us safer also make us smarter and faster, more focused and aware. Because the ecosystem represents a single source of technology, system implementation and management is kept to a minimum, maximising your ROI.

With the right technology in place, intelligence flows where it's needed. People who keep everything running smoothly have the information they need to make better decisions and be their best. With technology, workflows are integrated and streamlined and enterprise demands are made more manageable.

Our ecosystem has been developed using a four-part framework that equips you for the everyday and the unexpected. By pulling resources together, the ecosystem minimises safety threats and downtime, optimising your potential.

Respond as one team with a coordinated action plan.

4 RESPOND

Detect incidents and issues in your business quickly.

1 DETECT

ECOSYSTEM CONNECT AND EMPOWER FRAMEWORK

3 COMMUNICATE

Communicate the right intelligence to the right people immediately.

2 ANALYSE

Analyse events to prioritise what requires instant attention.

DETECT

Overseeing your business can be a challenge. Securing your premises and identifying unexpected operational issues takes time and staff hours, growing increasingly difficult as your organisation develops with multiple sites and facilities. From controlling numerous points of entry, checking staff and visitor movements, and securing and monitoring sensitive areas, our ecosystem detection aims to constantly monitor your premises and operations so you can quickly respond to potential threats and problems.

With detection solutions such as video security, automatic license plate recognition and access control for entry management, your business stays protected. Individuals and teams receive critical updates via radio alerts for a rapid, coordinated response, avoiding the time delays that can lead to safety or downtime issues.

COMMUNICATE

Whether it's an everyday task or an emergency incident, clear and timely communication is the lifeline of your business. By keeping individuals and teams connected across all devices and networks, instant communication ensures everyone in your organisation is aware and informed at all times.

With communication solutions such as two-way radios and LTE devices, radio alerts, Broadband Push-to-Talk and dedicated dispatch software, your people are ready to receive information and react together with the latest voice information and data intelligence, eliminating the delays that can disrupt operations and keeping your business running smoothly.

ANALYSE

Every day, you're responsible for monitoring facilities that may contain secure areas, critical equipment and hundreds, if not thousands, of staff and visitors. Identifying unwanted individuals, recognising operational interruptions or hazardous situations is a demanding task. By collecting and analysing real-time data, you are able to prioritise potential issues and make solid plans for resolution. Our ecosystem's analytical capability highlights problems early and provides precise, accurate, and actionable intelligence to those who need it.

With analytics solutions such as appearance search, unusual motion detection, integrated access control and identity search, it's easier for your business to pinpoint specific people and events. Just the right amount of information is identified, enabling issues to be quickly investigated and resolved.

RESPOND

Being ready and aware is critical to ensure your teams can quickly respond to problems before they escalate. A rapid response depends on early detection, focused analysis and instant communications. With these elements working together, your responses are stronger and more coordinated.

In everyday and emergency situations, our mission-critical devices provide the interoperability and seamless communication required to get the right information to the right people at the right time. This sharing and recording of real-time intelligence during a response enables a coordinated action plan that's focused on generating a positive outcome and provides evidential support post incident.

INDIVIDUAL SOLUTIONS, ALWAYS CONNECTED

Bringing detection, analysis, communication and response together and empowering them to work seamlessly as one allows the ecosystem to create a foundation for success. Your business performs smarter by intelligently identifying issues and opportunities, then enabling an action plan that minimises delay and maximises the effectiveness of your response. By planning and being prepared, you'll be ready to react to today's commercial pressures with productivity, efficiency and safety protected.
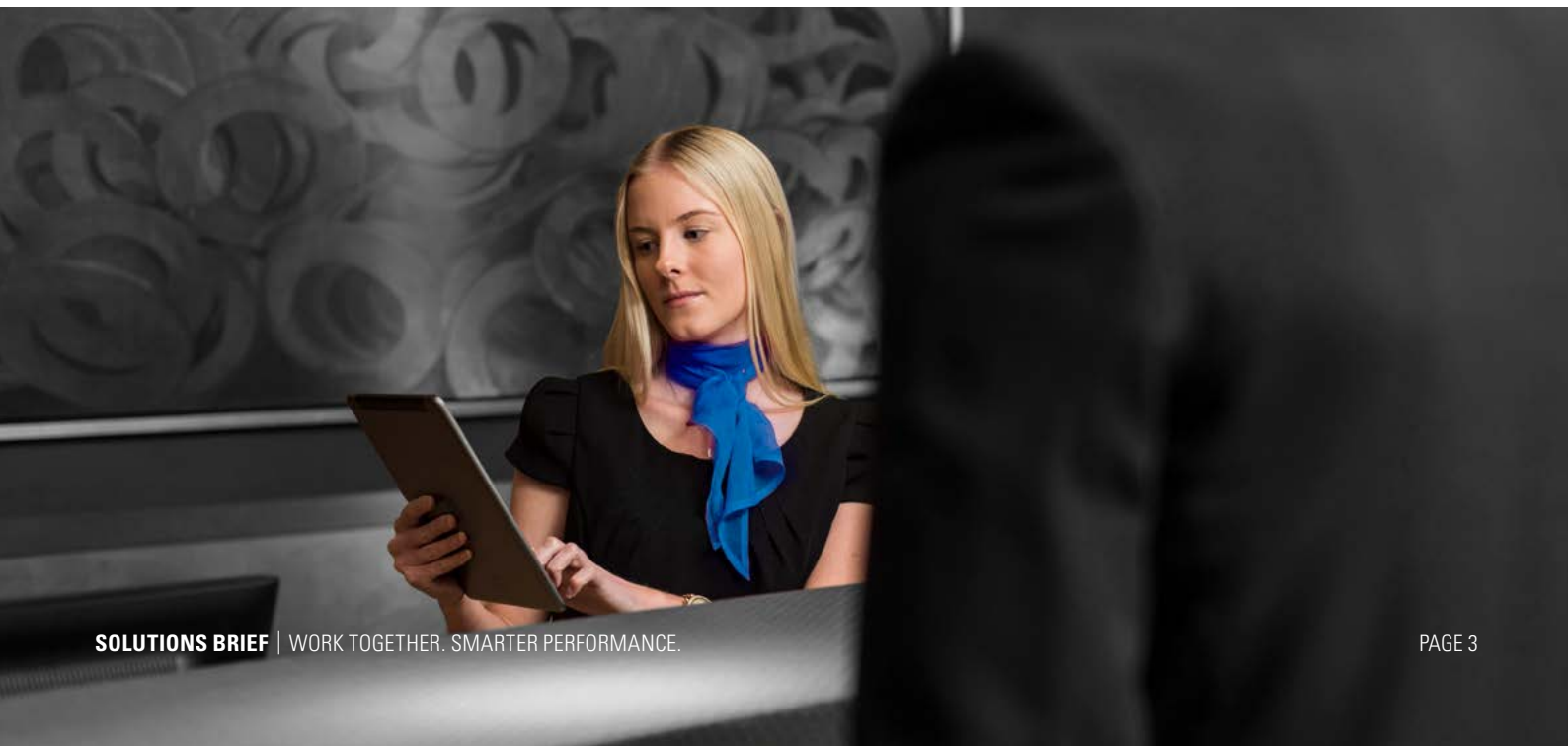
ECOSYSTEM AT WORK

Fully explore how our ecosystem brings together information and people when it matters as demonstrated in these real-life situations.

PRODUCTION FAILURE, TARGETS MISSED

A machine on the production line of a manufacturing plant has broken down. Unless this is fixed immediately, targets will be missed and customer orders unfulfilled. Our ecosystem steps in to minimise downtime and production delay.

From the failure of conference equipment in hotels to luggage belts in airports, being aware of a breakdown and ready to respond saves time, cost and, potentially, lives.
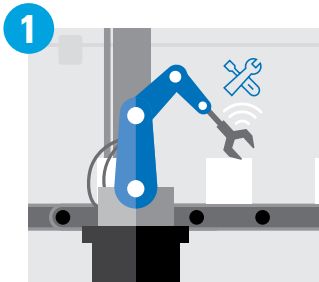
1

Detect

The SCADA control system monitoring the machine identifies a fault and sends an instant alert using the two-way radio system that something is wrong.
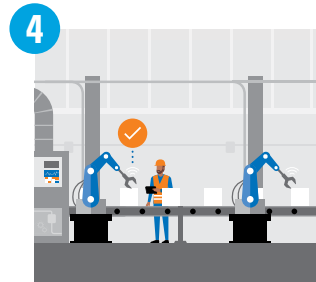
2

Analyse

The Control Operator receives the alert and data sent from the machine sensors and identifies the problem to be solved.
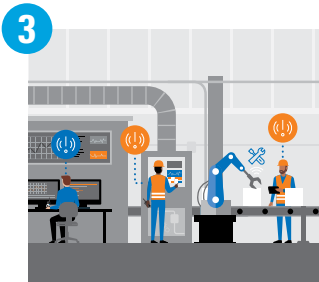
3

Communicate

Maintenance, production line, and management teams are notified of the problem with an alert sent via MOTOTRBO™ two-way radios and WAVE PTX™ broadband push-to-talk.

4

Respond

An immediate response is activated and a repair implemented – production resumes, an incident report is automatically logged with post-incident analysis.

ACCIDENT AT NIGHT, WORKER AT RISK

A hotel porter working the nightshift has slipped over. Aside from commercial implications, the health of this lone worker is in jeopardy. Our ecosystem steps in to work with you and help protect the porter, ensuring safety obligations are met.

From a fall on an oil rig to an accident in a school playground, being aware of people's welfare helps avoid catastrophic incidents and keeps your premises safer.
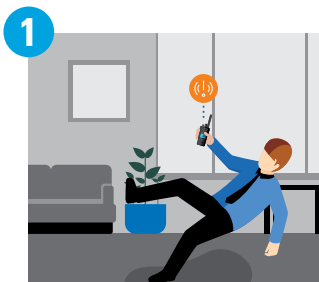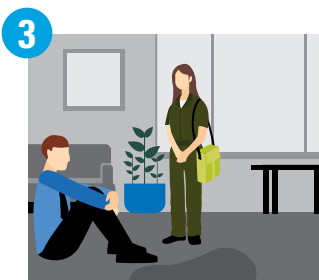
1

Detect

The Man Down alarm system on the porter's radio detects the fall and automatically sends an alert including location data.
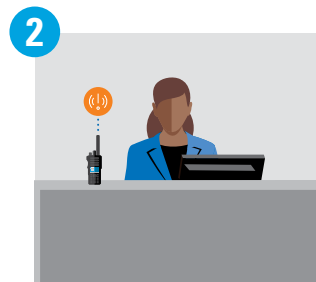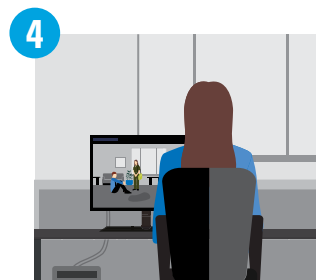
2

Analyse

The operator receives the alert, identifies the location of the porter and checks video camera feeds to confirm that the worker is down but conscious.

3

Communicate

A first aider and the hotel duty manager are informed of the location and severity of the incident – the duty manager reassures the porter using radio communications.

4

Respond

The first aider attends to the porter while the operator and duty manager monitor the situation to see if Emergency Services are required – recorded CCTV footage and call logs provide evidence for the incident report.

ECOSYSTEM AT WORK

SECURITY BREACH, EQUIPMENT THEFT

A group of individuals has broken into a depot. Without an immediate response, assets are at risk of theft and employees are at risk of injury. Our ecosystem steps in to identify, apprehend and build a case for future prosecution.

From airports and universities to manufacturing plants and shopping centres, being aware of security threats protects assets, stock and, most importantly, people.

1

Detect

Video cameras enabled with Unusual Activity Detection in the depot pick up the suspicious activity and alert the control room.

2

Analyse

Using ACC™ video management software, the control operator checks footage, triggers an alarm and activates Appearance Search to identify and track intruders.
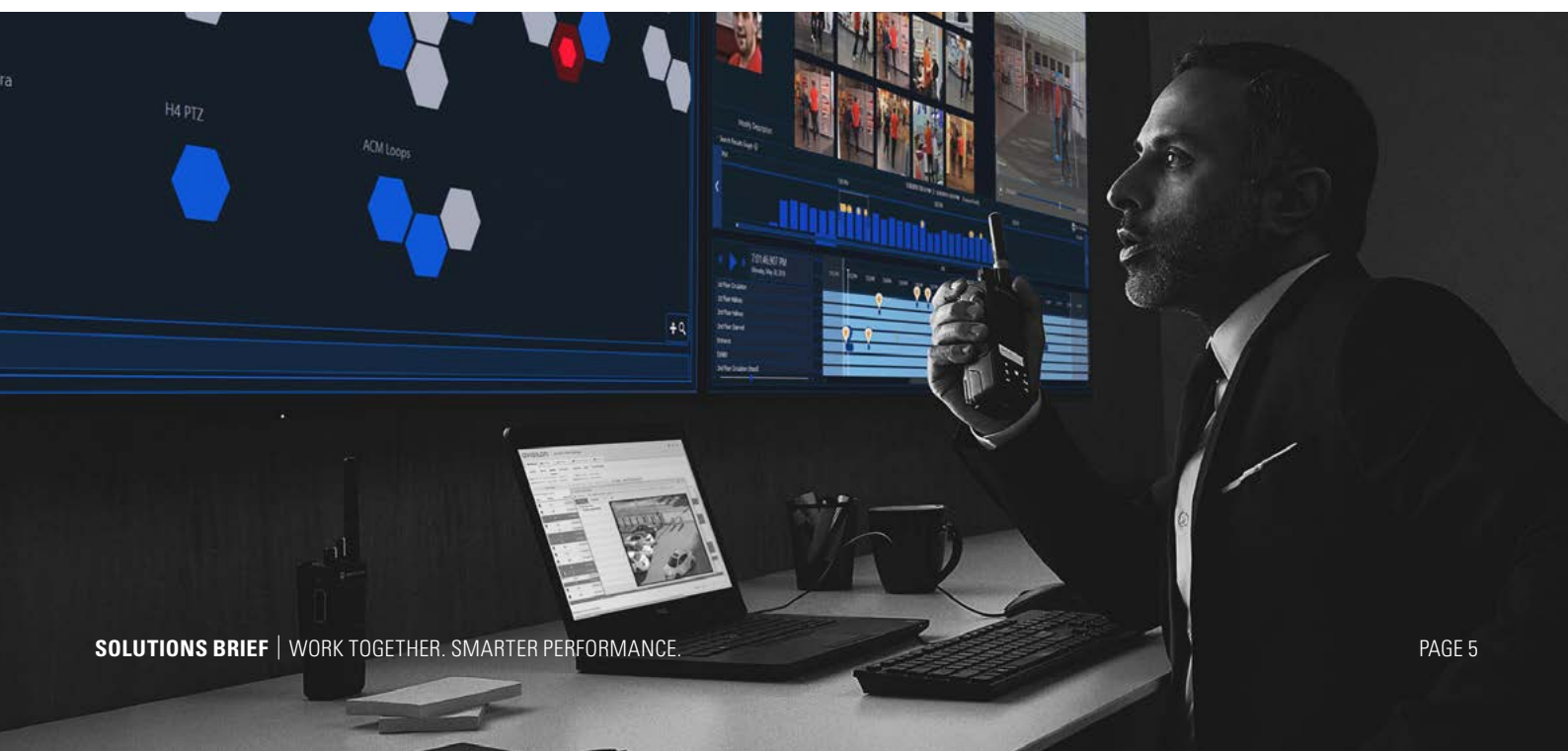
3

Communicate

Real-time intelligence of the incident is sent to security teams via two-way radios and WAVE PTX, personnel in the area are alerted and management notified.

4

Respond

An informed and coordinated response is activated with live monitoring and suspects apprehended – Body-Worn Cameras and CCTV provides evidence for prosecutions.

A PORTFOLIO OF SMARTER TECHNOLOGY

Whichever sector or service you work in, Motorola Solutions is ready to make your operations smarter with powerful and proven voice, data, video and analytics solutions.

Two-Way Radios for secure instantaneous communications supporting centralised team management across all facilities with rugged designs for tough environments, superior voice clarity and long battery life for full shifts, as well as outstanding coverage so people can hear and be heard, wherever they work.

Explore our Two-Way Radios　❯

Body-Worn Cameras designed to keep your business and frontline workers safe by providing an effective deterrent, unquestionable source of evidence and tamper-proof audit trail that can be used to support prosecutions.

Explore our Body-Worn Cameras　❯

WAVE PTX Broadband Push-to-Talk enabling instant communication regardless of device, network or geographic boundaries with extended connectivity and reach that enables sharing to smartphones, tablets and laptops enhancing situational awareness.

Explore our Broadband Push-to-Talk　❯

Video Security & Analytics for enhanced visibility across your facilities with high-resolution cameras for every location including fisheye lenses for secure areas, multi-sensor for corridors, and pan-tilt-zoom for parking zones and common areas — all supported by video management software that can quickly locate specific people or vehicles.

Explore our Video Security products　❯

EMPOWERING SUCCESS THE SMART WAY

If you're looking for business success, the way forward is an environment built on safety that can help improve your organisation's efficiency and productivity. Being focused on the now and ready for the future is the difference between an ordinary enterprise and an extraordinary one.

With everyone and everything working together using smart technology, your business can thrive in the toughest market conditions. Technology is a powerful tool that can be integrated across your organisation. It helps you take on the competition and meet customer demands with solutions that are focused on making you faster, smarter, more focused and more resilient — in short, better at everything you do.

For more information, please visit **www.motorolasolutions.com**

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