![esri Australia logo]

BUILD AND MAINTAIN SAFE COMMUNITIES WITH ARCGIS®

ONE PLATFORM, MANY MISSIONS

SAFETY AND SECURITY IN THE 21ST CENTURY

National security, defence, and public safety agencies face challenges and threats that are more complex and unpredictable than ever before. While traditional dangers persist, a new set of challenges—driven by extreme events involving social unrest, public health crises, and weather—create an environment where missions and priorities change daily. The workflows and approaches organisations have relied on for years are no longer effective enough to secure our nations and communities.

Modern challenges require a modern approach to solving them. Agencies and organisations need tools and operational capabilities to adapt to fluid risks and to support a variety of mission requirements. Today, governments and security agencies must be able to identify threats, collaborate and unify operations, rapidly respond to events, communicate with the public, and analyse the success of those efforts.

Through the power of geospatial technology, organisations can now adopt a smarter, more integrative approach to safety and security. With the right technology, data, people, and processes, every community can become a Safe Community.

Threats in the 21st Century

- Active shooters in urban settings
- Cyber attacks and espionage
- Severe storm systems and earthquakes
- Domestic and foreign terrorism
- Regional and global disease pandemics
- Displaced populations
- Territorial disputes
- Rogue states
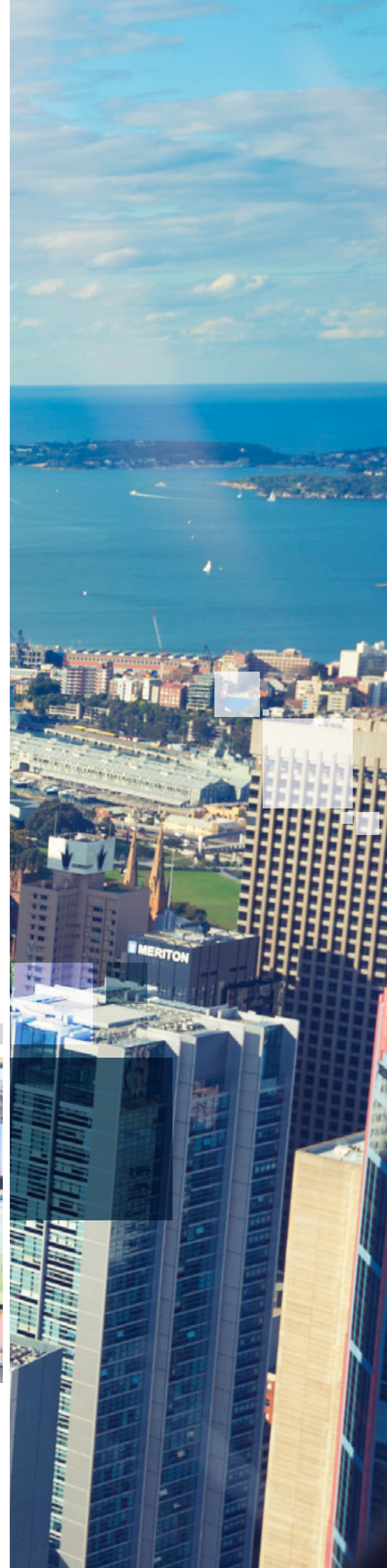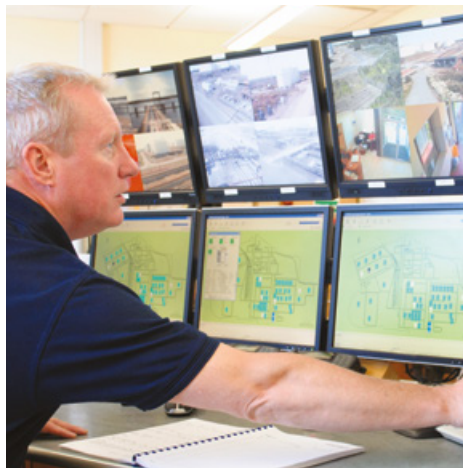- Economic instability
- Political unrest

THE SAFE COMMUNITY VISION

In a Safe Community, people, technology, and processes work together in a coordinated and collaborative way. A Safe Community embraces a methodology that fosters collaboration to enhance safety, manage risk, and increase overall engagement through daily operations. Safety and security professionals make the most of existing resources and domain expertise to ensure tactical and strategic success in their missions.

The Safe Community approach empowers organisations to achieve shared situational awareness by connecting multiple agencies with overlapping missions. Stakeholders with shared interests communicate and better understand risks, community hazards, threats, and crime problems. These stakeholders collaboratively prepare to deal with known and potential issues. And when incidents do occur, organisations are better able to work together to assess an unfolding situation, mitigate the risk, and ensure public safety.

In a Safe Community, organisations can confidently answer the following questions:

• Can your community respond to health threats such as epidemics?

• Are you prepared to deal with an environmental or technological disaster?

• Can you protect your citizens when they gather for a major event?

• Can you manage civil unrest and execute modern crime control strategies?

• Can you manage emergencies or an intentional attack?

• Can you protect critical infrastructure (both physical and virtual)?

• If applicable, can you secure your borders and manage refugees or migrants?
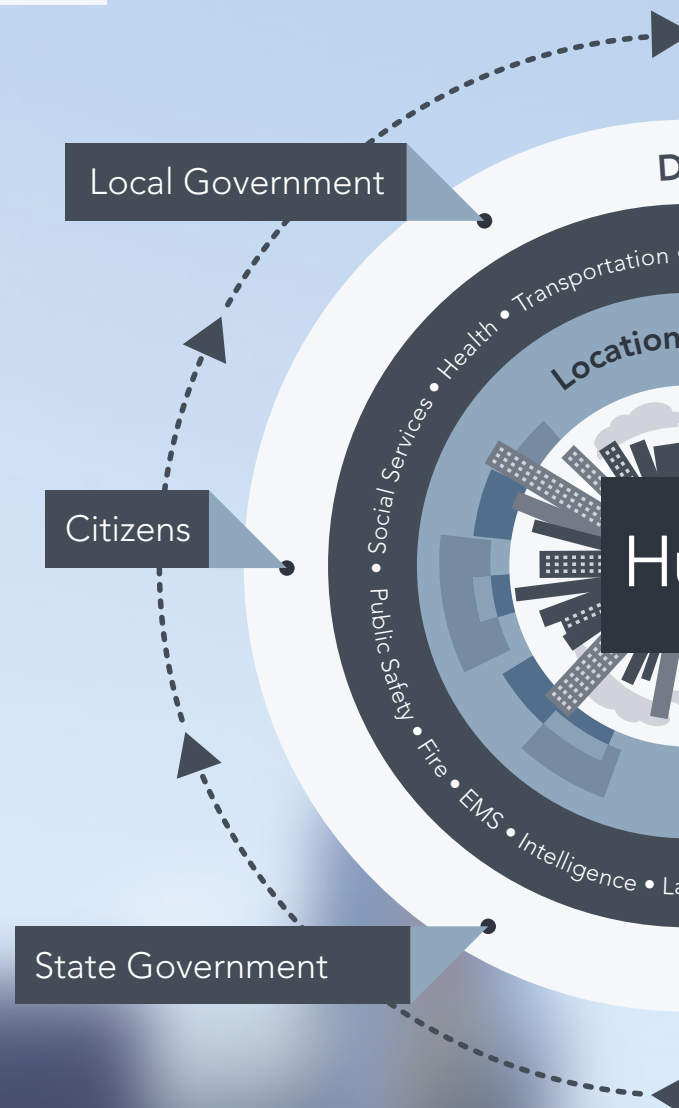
A SAFE COMMUNITY
IS A SMART COMMUNITY

Governments around the world are turning to big data, mobile technology, GPS-enabled devices, and live data sensors to develop better services, accountability, and transparency. The smart community concept is built around the idea that technology can help governments manage the growing complexity of their communities. When governments are able to effectively tap into these advancements, they can drive efficiency and act as good stewards for their citizens.

Safety and security organisations can take advantage of these same resources in their daily operations to succeed in their missions. A Safe Community builds on the core capabilities of a smart community to empower personnel with the following:

- Multiagency, interdepartmental collaboration
- Shared, real-time situational awareness
- Secure, scalable capability to support surge during emergencies
- Complete analysis for understanding and solving problems
- Access to authoritative, actionable data from multiple sources
- Accurate, data-driven decision making
- Workflows for easily collecting, sharing, and consuming data in the field

Local Government

Citizens

State Government

A SAFE COMMUNITY SUPPORTS A RANGE OF DOMAINS AND MISSIONS

Intelligence
- Counterterrorism
- Informant management
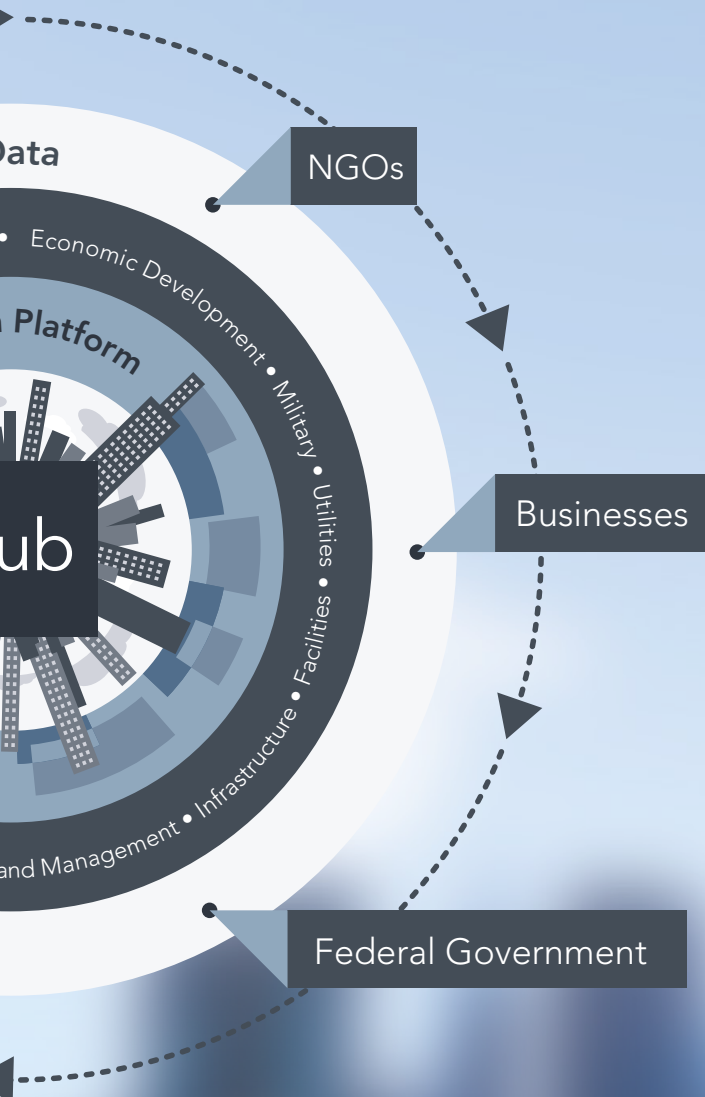- Nonproliferation
- Risk terrain modelling

Law Enforcement
- Crime prevention through environmental design
- Predictive crime trends
- Community policing and engagement
- COMPSTAT

Emergency Management
- Emergency management and response
- Special-event planning
- Damage assessment
- Disaster planning

Data

Economic Development • Military • Utilities • Facilities • ser...

Platform

Hub

...and Management • Infrastructure • ...

NGOs

Businesses

Federal Government

THE POWER OF GEOGRAPHY

Geographic Information System (GIS) technology provides the foundation for governments to develop a Safe Community. How? GIS provides the unique ability to use location as a way to fuse diverse data and systems and bring everything into a common view. GIS adds critical context and operationalises data from spreadsheets and databases. Existing systems—such as enterprise resource management (ERM), computer-aided dispatch (CAD), and record management systems (RMS)—transform from systems of records to systems of engagement.

With GIS, you can see the complete picture. GIS provides a multi-intelligence architecture that allows agencies to assimilate and visualise diverse data, make sense of it, and share it as actionable intelligence. And better yet, GIS lets you analyse terabytes of digital data to uncover patterns, predict where an event might occur, identify your most vulnerable populations and infrastructure, and quantify impacts.

GIS enables agencies to collaborate and share data through dynamic maps and online applications. At a glance, leaders can see the status of an incident and direct response. Maps provide an intuitive way to understand complex situations. When everyone operates from the same information, professionals can best coordinate and unify their actions to complete the mission.

Defence
- Crisis response
- Land, air, and maritime operations
- Border and port protection, and cybersecurity
- Training support

Health
- Spread of pandemics
- Access to health facilities
- Understanding of health and disease patterns
- Health and safety reports

Fire
- Preincident planning
- In-vehicle response
- Safety inspections and community education
- Fire station location/ allocation

Emergency Services
- Call-taking and dispatch
- Historical drive-time and routing analysis
- Vehicle placement, identification, and routing
- Dispatcher situational awareness

ArcGIS
ONE PLATFORM, MANY MISSIONS

Esri® ArcGIS® software empowers safety and security agencies with a proven geospatial platform to create a Safe Community. With ArcGIS, organisations across multiple jurisdictions and levels of government can collaborate and share information on a single, accessible platform to achieve shared situational awareness. No matter the mission or the jurisdiction, ArcGIS empowers organisations with the capabilities they need to identify threats, preserve critical infrastructure, and save lives.

With ArcGIS, you can implement key initial operating capabilities to support a Safe Community in a matter of days.

ArcGIS for Server/ Portal for ArcGIS

Deploy secure, standards-based web portals behind your organisation's IT firewall with ArcGIS for Server and Portal for ArcGIS. Easily create, manage, publish, and use data, maps, and applications that can be accessed by authenticated users on web browsers, smartphones, tablets, and desktop computers.
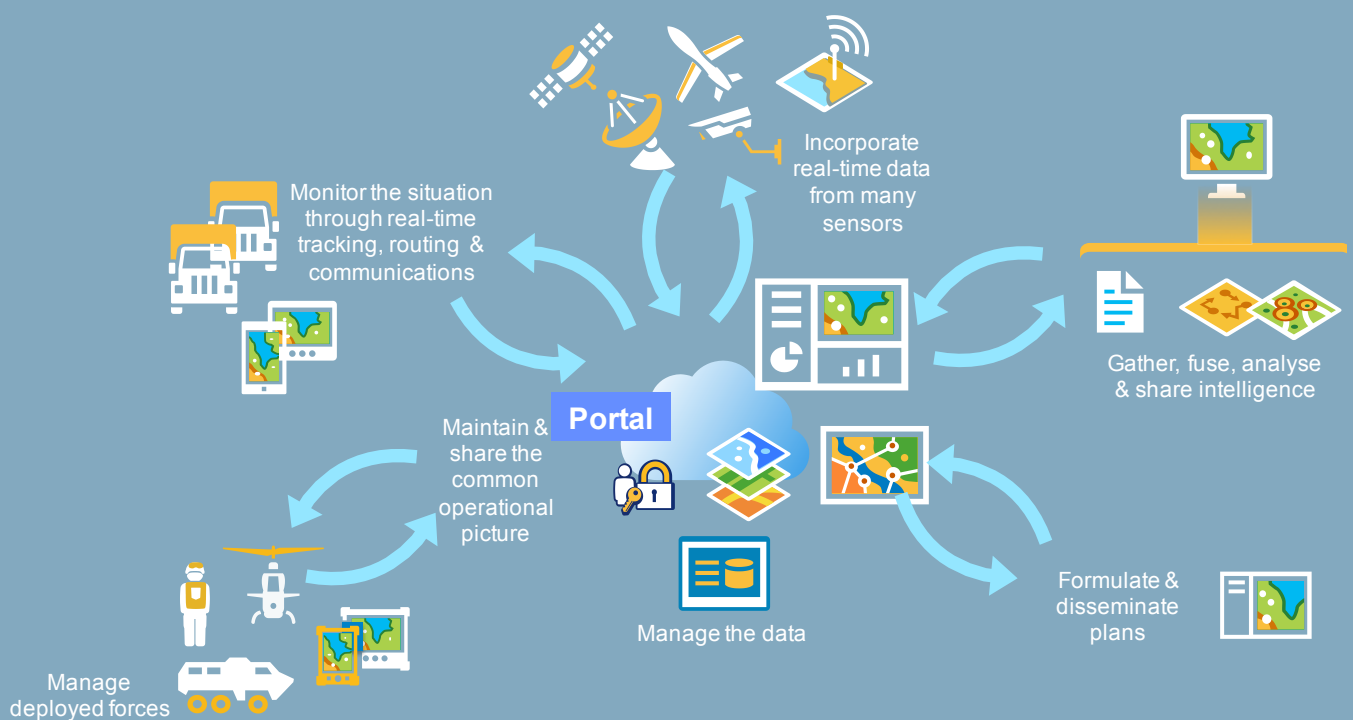
Collector for ArcGIS

Empower field staff with the ability to view and collect mission-critical data directly from their mobile devices. With Collector for ArcGIS, you can quickly create map-driven forms for everything from documenting damaged buildings to marking emerging threats. Users can capture data and video along with their GPS location and push updates to the office even if they're out of network range when they initially collect information.

Operations Dashboard for ArcGIS

Monitor, track, and report on incidents in real time with Operations Dashboard for ArcGIS. From managing day-to-day activities to coordinating response for a crisis, Operations Dashboard for ArcGIS provides focused views of live data that enable leadership to rapidly understand resources, activities, and issues and thus direct response.

Esri Story Map

Transform executive briefings, after action reporting, and community engagement with compelling story maps. You can combine authoritative data with narrative text, images, and multimedia content to tell your story and communicate key information. From highlighting hazards during an active incident to providing a summary of a completed mission, Esri Story Map gives organisations a powerful tool for keeping the public informed and safe.

Incorporate real-time data from many sensors

Monitor the situation through real-time tracking, routing & communications

Gather, fuse, analyse & share intelligence

Maintain & share the common operational picture

Portal

Manage the data

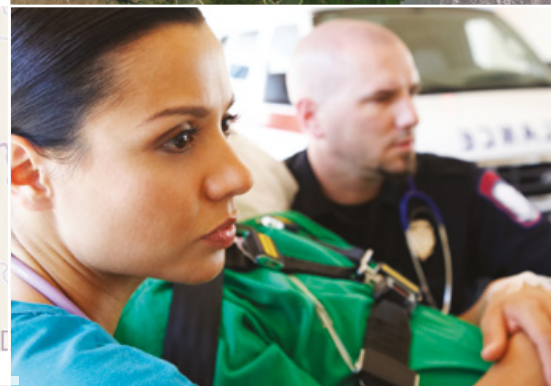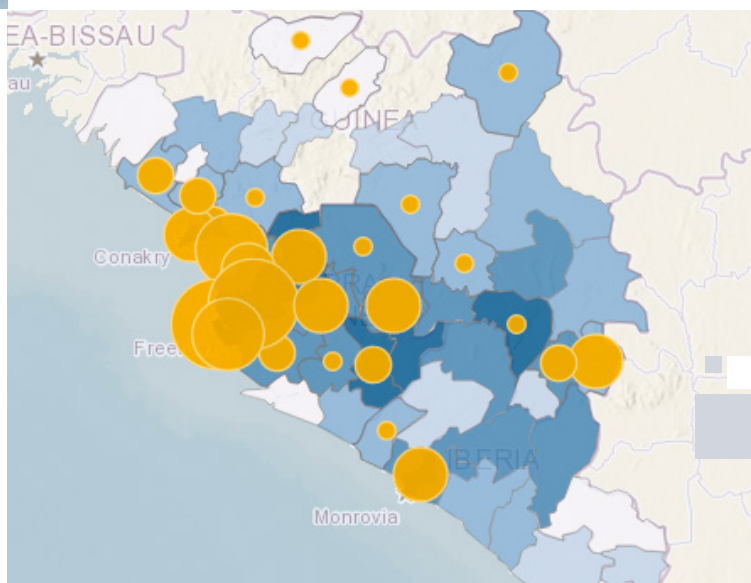Formulate & disseminate plans

Manage deployed forces

GET STARTED

For more than 40 years, Esri has worked with public safety and national security organisations at all levels of government. Our global team of military, intelligence, law enforcement, health, government, and public safety experts have decades of experience using geospatial technology to support safety and security missions. We don't just provide software and solutions—we partner with organisations to ensure the resources and information they need to succeed now and in the future.

Esri also maintains a network of nearly 2,000 worldwide distributors and partners that can provide additional support and solutions. No matter where you're located, you'll find a wealth of subject matter experts that can help your Safe Community vision become a reality.

Building and maintaining a Safe Community is easier than you think.

Get started at
esri.com/safe-communities

esri Australia

Esri Australia is the nation's leading Geographic Information System (GIS) and location analytics specialist. For more than three decades Esri Australia has partnered with thousands of government and commercial enterprises to deliver quality GIS solutions that have transformed the way organisations address opportunities and challenges.

GIS employs the science of geography to map and analyse information. Esri Australia uses the world's most advanced GIS technology to expose patterns and relationships within client data, providing an analytical vantage point that no other tool can.

Esri Australia exists to uncover potential and show our clients the path to a more successful future. We have the drive to make a difference and the technology, intellect and insight to ensure we deliver it.

In everything we do, Esri Australia is strategic and considered. Passion for the science that underpins GIS, and an unwavering professional integrity, keep us at the forefront of our industry.

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