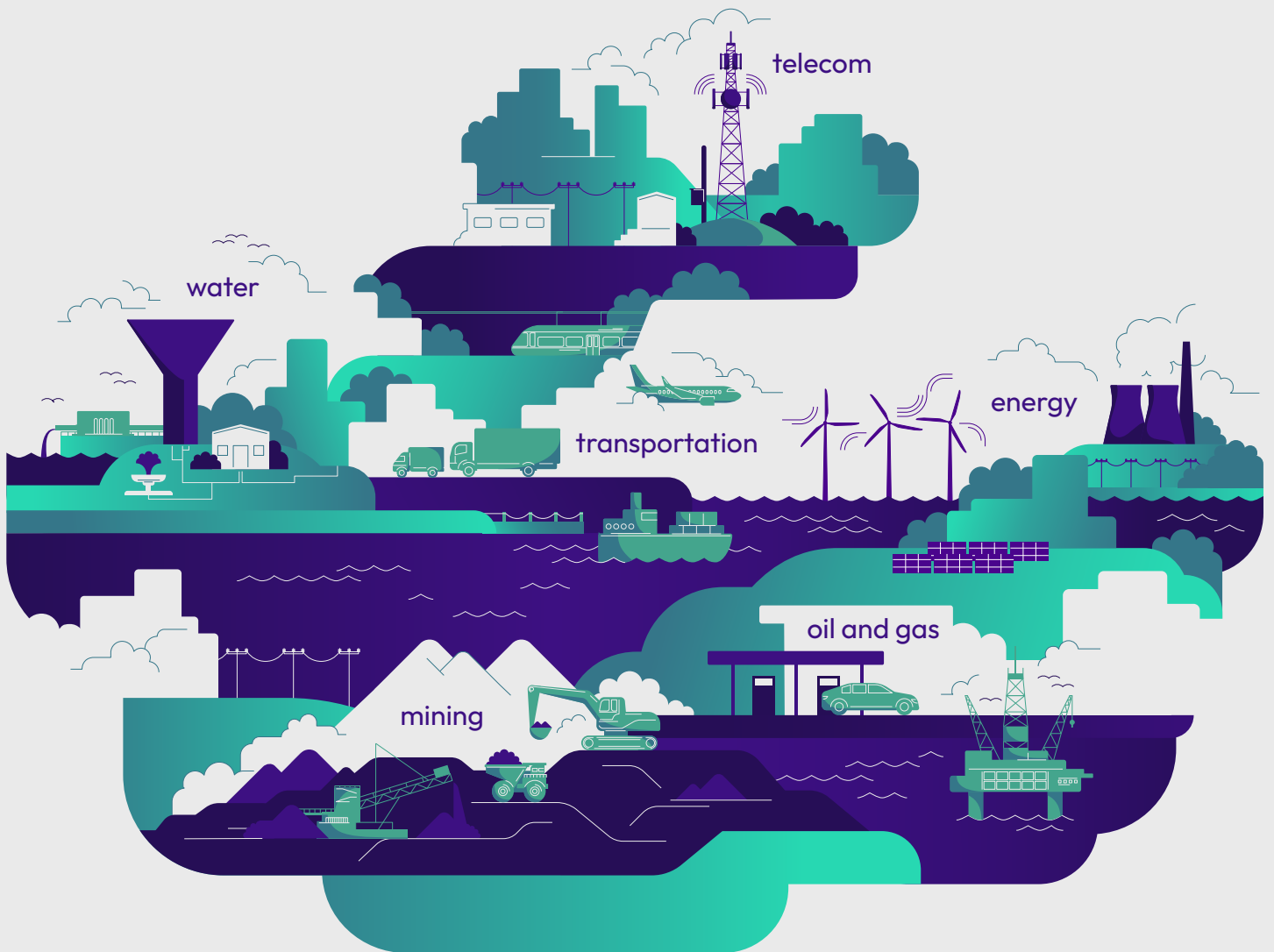


ALCEA Critical Infrastructure

trusted security solutions
for critical infrastructure
operators worldwide.



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Introduction

ALCEA understands what's at stake.

Every day, operators of essential services across telecom, energy, transportation, water, mining, and oil & gas rise to the challenge of keeping critical infrastructure running. They manage complex systems, monitor remote sites, and navigate unpredictable, ever-changing conditions. Their expertise, vigilance, and resilience keep essential services moving. It's critical work that is rarely noticed until an outage occurs.


Operators manage critical infrastructure. ALCEA provides the solutions to support them.


The only thing standing between essential services and the risks that threaten them are skilled operators and technicians. They navigate complex systems and critical conditions, from securing remote substations to protecting water treatment facilities. From managing dispersed telecom towers to safeguarding industrial sites and transport hubs.


ALCEA sees the whole picture and designs solutions around it.

Critical infrastructure is more than essential assets. It's people solving challenges head-on, operations too vital to fail, and services society relies on every day. ALCEA equips operators with the solutions, insight, and flexibility to meet these demands safely and efficiently.


Key challenges operators face:

 Remote or unmanned sites

 Ageing assets and legacy systems

 High-stakes, real-time decision-making

 Harsh weather and extreme conditions

 Strict compliance obligations

Why ALCEA?

securing infrastructure. earning trust.

Decades of expertise, a global network, one goal
– uninterrupted operations.

Backed by decades of experience, now as part of ASSA ABLOY, ALCEA is a trusted partner for critical infrastructure operators worldwide.

Built for complex, high-risk environments, ALCEA provides a Total Solution that brings physical and digital security together in one cohesive ecosystem, all managed through the **ALWIN** security management platform. From a single unmanned site to large, distributed networks, ALCEA delivers solutions for secure, unified oversight to help operators keep facilities running.

why leading operators rely on ALCEA.

- ✓ Decades of hands-on critical infrastructure experience
- ✓ Global presence, backed by ASSA ABLOY
- ✓ Trusted platforms across key sectors
- ✓ Designed for high-risk, complex environments
- ✓ Reliable in sensitive critical infrastructure sites
- ✓ Tailorable solutions based on customers' needs, not a one-size-fits-all approach

With deep, industry-specific expertise and a trusted global network, ALCEA stands behind every operator and every facility.




The six key sectors

supporting the essential industry operators who power our world.

Built for the realities of critical infrastructure, ALCEA delivers industry-tailored solutions that help operators maintain safety, reliability, and efficiency.



 energy



 transportation



 oil & gas



 telecom



 water



 mining

The six key sectors



Telecom networks connect communities, businesses, and services that rely on uninterrupted communication. Operators must maintain uptime across dispersed towers, switching sites, and control hubs, often with limited on-site support.

ALCEA provides solutions and insight to help operators unify legacy and modern systems, secure unmanned sites, and maintain operational visibility.

Key challenges:

- Maintaining uptime across widely distributed sites
- Securing unmanned towers and switching stations
- Integrating legacy and modern systems
- Meeting audit and reporting requirements
- Rapidly responding to network incidents
- Managing key control and access permissions across sites

Customer story

Wircom Operators in Slovakia manage more than 120 dispersed telecom towers, providing reliable communication services for over 60,000 residents. By unifying access control across their network, they have streamlined maintenance workflows and ensured uninterrupted service for the communities they connect.



Read more about the case [from our site](#)



The six key sectors



Power grids must withstand storms, operate across dispersed and remote sites, and comply with stringent security regulations. Every step of the energy chain - from production and storage to transportation - demands the same uncompromising level of security.

ALCEA delivers solutions and guidance that enable operators to secure substations, control rooms, and distributed networks while maintaining oversight and service continuity.

Key challenges:

- Operating remote and unmanned facilities
- Meeting compliance and regulatory obligations
- Lack of solutions built for harsh CI environments
- Managing complex contractor and vendor access
- Gaining real-time operational visibility
- Managing key control and access permissions across sites

Customer story

EG.D Operating in the Czech Republic, EG.D maintains oversight of critical high-voltage substations and control rooms. By implementing centralized access management, they ensure reliable energy delivery and operational safety across a vital power grid serving over 2.7 million people.



Read more about the case [from our site](#)



The six key sectors

transportation

Transportation networks run on precision, safety, and continuity. Operators secure critical sites across road transport, railways, ports, and airports, safeguarding people and goods while coordinating operations across wide, dispersed locations.

ALCEA supports transportation operators with solutions and expertise needed to maintain oversight, security, and operational flow.

Key challenges:

- Wide geographic coverage
- Securing unmanned stations and terminals
- Managing complex legacy and modern systems
- Real-time operational awareness
- Rapid incident response
- Managing key control and access permissions across sites

Customer story

PENOX Managing the road transport of lead oxide across northern Mexico, PENOX required absolute traceability for its high-value logistics. By implementing tamper-proof connected locks, they eliminated transport losses and gained time-stamped visibility into every loading and unloading event, securing the supply chain without impacting operational flow.



Read more about the case [from our site](#)



The six key sectors

water

Water and wastewater operators safeguard public health and the environment every day. They must ensure clean drinking water, prevent contamination, and manage wastewater safely across treatment plants, pumping stations, and distribution networks.

ALCEA supports water operators with solutions that strengthen oversight across critical assets, including electromechanical or keyless access. Allowing teams to grant permissions remotely, maintain accurate audit logs, and respond quickly to events while reducing operational complexity.

Key challenges:

- Preventing contamination of drinking water supplies
- Safely managing wastewater and protecting the environment
- Operating remote and unmanned treatment and pumping facilities
- Meeting strict regulatory and reporting requirements
- Maintaining real-time visibility and rapid response to incidents
- Managing key control and access permissions across sites

Customer story

Laval Agglomération Operators in Laval, France, secured 140 water production and distribution sites through centralized access management. This transformation improved key logistics for 350 users and ensured operational continuity for a network serving over 100,000 residents.



Read more about the case [from our site](#)



The six key sectors

oil & gas

In high-risk, high-complexity environments from extraction to refining and distribution, uptime and safety are non-negotiable. Operators must manage access, protect critical equipment, and maintain continuity across remote and hazardous sites.

ALCEA provides customized solutions and guidance that help operators maintain oversight, secure access, protect critical equipment and processes, ensure continuous service, comply with regulations, and make timely decisions in hazardous conditions.

Key challenges:

- Remote and unmanned facilities
- Compliance and HSE obligations
- Resilience in harsh and hazardous environments
- Contractor and vendor access control
- Real-time operational decision support
- Managing key control and access permissions across sites



Read more about the case [from our site](#)



The six key sectors

mining

Mining operations push equipment and infrastructure to their limits across remote, high-risk, and heavily regulated sites. Operators must manage access, protect critical assets, and maintain continuity under harsh and unpredictable conditions.

ALCEA provides mining operators with tailored solutions for secure access, operational oversight, and protection of critical equipment, including capabilities for remote monitoring and electromechanical or keyless access.

Key challenges:

- Real-time monitoring and alerts
- Remote, isolated sites in harsh environments
- Preventing theft of rare minerals and unauthorized access
- Safety compliance and zero-accident culture
- Contractor access and workflow security
- Managing key control and access permissions across sites

Customer story

PENOX Mining operators in northern Mexico reinforced the security of high-value raw material logistics with tamper-proof locks and centralized access control. This tailored solution eliminated theft and secured every stage of transport, protecting the critical materials essential to the automotive and industrial battery supply chain.



Read more about the case [from our site](#)



The six key sectors

With deep, industry-specific expertise across six key sectors, ALCEA is a trusted partner worldwide, providing reliable and secure solutions that deliver operational efficiencies to support operators' needs and keep critical infrastructure uninterrupted.

Operators rely on ALCEA's Total Solution to keep operations running, secure infrastructure, and protect critical assets across physical and digital systems around the world.



Making complexity simple

ALCEA Total Solution. simplifying complexity.

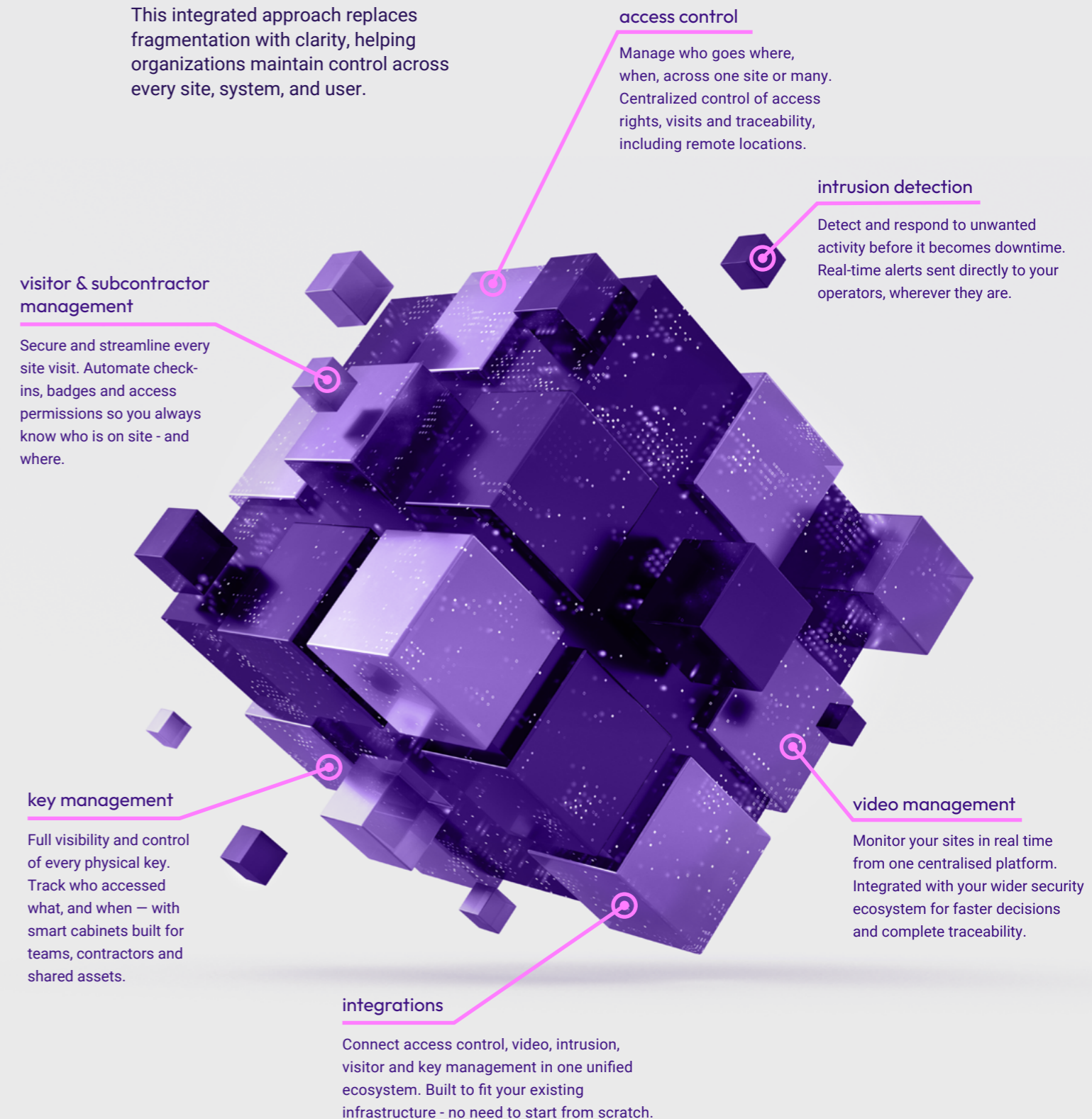
Critical infrastructure relies on multiple security layers that must integrate seamlessly. Locks, keys, alarms, CCTV, sensors, software, and access credentials all play a critical role. Operators, contractors, and inspectors need reliable access at the right moment to protect assets, maintain compliance, and keep operations moving without disruption. Coordination only works when hardware, software, and people operate as one.

ALCEA Total Solution simplifies this complexity by unifying hardware, software, and services into a single system. Through the **ALWIN** management platform, operators gain centralized oversight across sites, teams, and assets to maintain secure and consistent operations.

everything working in harmony.

The ALCEA Total Solution connects all your security modules – from access control to video management – into one integrated ecosystem, managed through **ALWIN**.

This integrated approach replaces fragmentation with clarity, helping organizations maintain control across every site, system, and user.



Every site. Every need. One solution.

adaptability built for real-world challenges.

Organizations managing critical infrastructure often operate a mix of legacy equipment and modern digital systems. The ALCEA Total Solution integrates with these systems, enhancing capabilities while future-proofing the security ecosystem. It scales from single sites to distributed networks, maintaining reliable operations in challenging environments.

Enhance existing systems without disruption

Adds capabilities to existing locks, alarms, sensors, and other components, helping operations run smoothly and securely.

Bridge operations and situational awareness

Connects systems to improve oversight, streamline workflows, and strengthen decision-making.

Modular approach for evolving needs

The Total Solution supports new technologies and evolving requirements, allowing operators to maintain continuity while building a resilient environment.

Interoperability in action

This integration strengthens security while allowing operators to preserve what already works, creating a future-ready infrastructure.

security management software



ALWIN

Your security management software. One place to manage access control, monitoring, video, visitor and key management - with full visibility and control across all your sites.

mechanical & electromechanical locking



ASSA ABLOY range CLIQ, eCLIQ

Proven locking built for demanding environments. From mechanical reliability to electromechanical solutions with remote access management, full auditability and compliance support.

keyless access



ABLOY CUMULUS Portfolio & ALCEA GATEWAY

Go keyless where it makes sense. ABLOY CUMULUS and ALCEA GATEWAY secure doors, cabinets and padlocks wirelessly - remotely managed, cyber-secure and ready for your most remote and unmanned sites. Contact us to find the right fit for your operations.

key management



NETKEY

Take control of every physical key. NETKEY smart cabinets give you full traceability and real-time alerts - so you always know who accessed what, and when.

visitor & subcontractor management



ALCEA Visitor Kiosk

Know who is on site at all times. Automate check-ins, validate credentials and keep a full audit trail - for every visit, every contractor, every time.

access control readers



HID & more

Future-ready readers for every credential and technology. Consistent, reliable access across all your entry points - now and as your needs evolve.

wireless access control



Aperio, Uhlmann & Zacher and more

Extend secure access to more doors - without complex cabling or site disruption. Upgrade at your own pace and keep full control over who goes where.

unified security integrations



Third-party integrations

Connect video management, intrusion detection, visitor management and third-party solutions into one unified ecosystem - built around your existing infrastructure, no rip and replace needed.

A single system, a single partner

the unified security system engineered for critical environments.

Modern security requires more than hardware and software. It requires a system that adapts to evolving threats, operational needs, and expanding footprints, helping operators perform their work every day, in any condition, at any scale.

As a global, all-in-one security solutions provider, ALCEA meets critical infrastructure demands through decades of experience supporting high-security sectors, combining custom system design with practical, sector-specific knowledge.

With the ability to integrate legacy and modern systems, ALCEA unifies physical and digital security into a tailored ecosystem, helping operators worldwide to maintain secure and continuous operations.

a partner aligned with your mission.

ALCEA works alongside organizations at every stage: managing legacy systems, upgrading infrastructure, or deploying new sites. Customers gain one point of accountability and seamless integration, with a system designed to simplify operations and reduce risk. This clarity gives teams the confidence to move decisively, knowing their partner and system help them maintain security, resilience, and operational continuity.

Sector-tailored security that adapts as your needs change

ALCEA Total Solution provides flexibility for new locations, teams, and operational requirements while maintaining continuity. Organizations can strengthen what they have today without limiting future capabilities.

Scalability that matches operational realities:

Consistent performance at any size

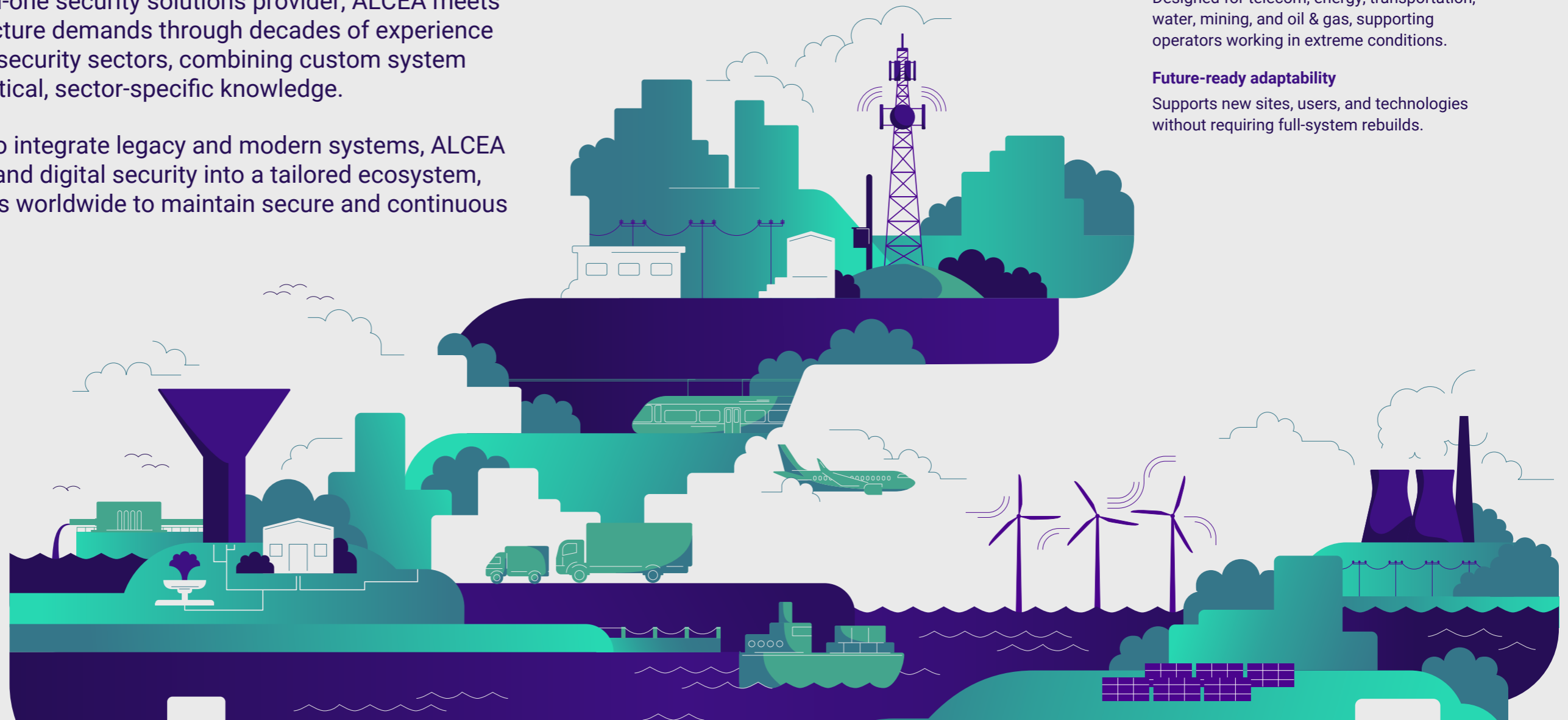
Operations remain responsive and reliable, no matter how many sites, assets, or users are involved.

Reliable in high-stakes environments

Designed for telecom, energy, transportation, water, mining, and oil & gas, supporting operators working in extreme conditions.

Future-ready adaptability

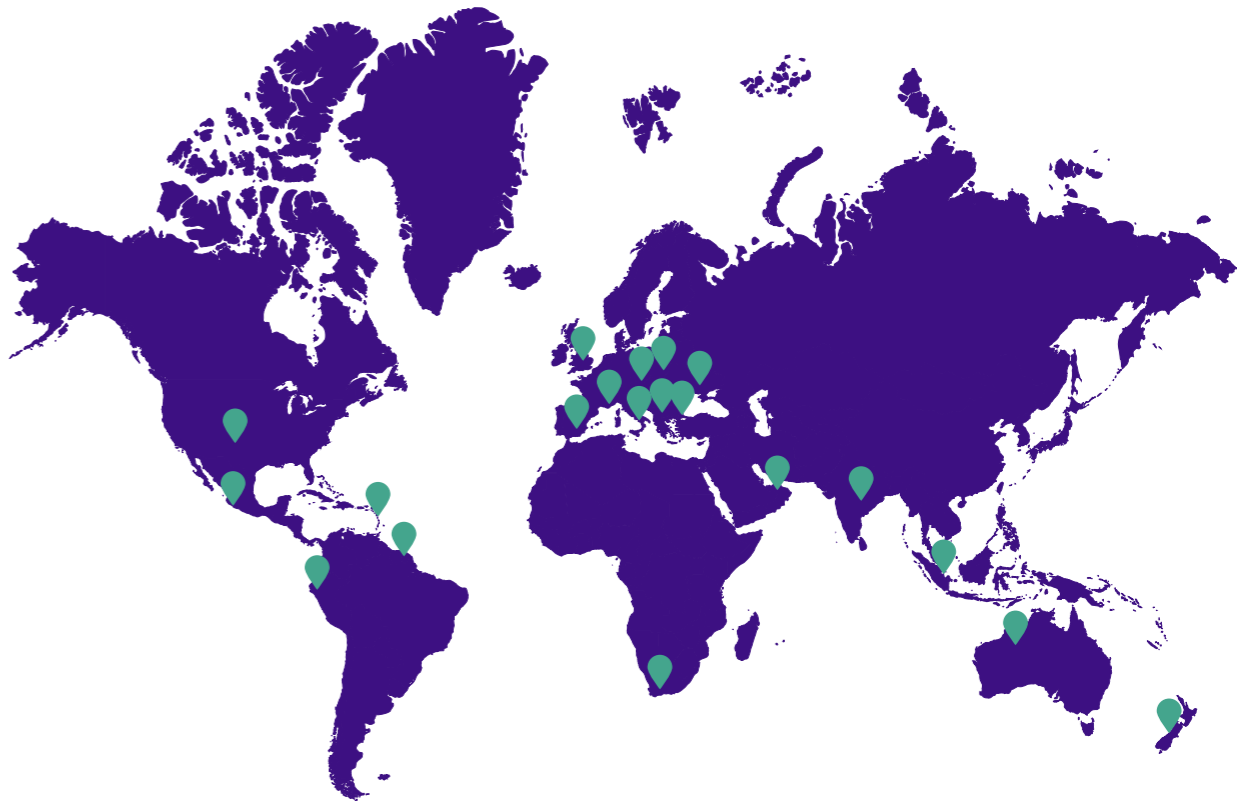
Supports new sites, users, and technologies without requiring full-system rebuilds.





Let's get started

Comprehensive support is provided through our sales and service network, regional partners, as well as certified competence centers.



industries

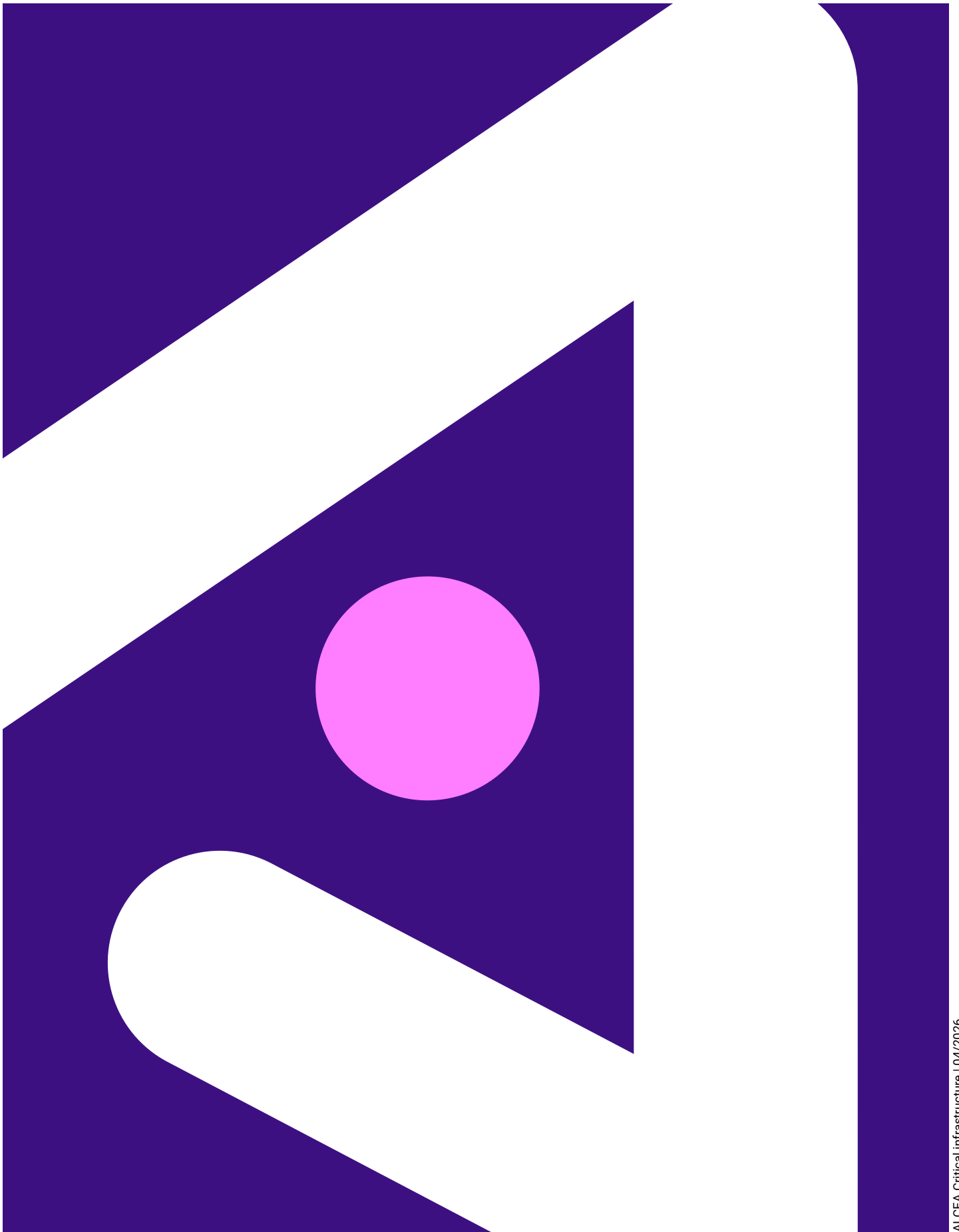
-  Telecom
-  Transportation
-  Mining
-  Energy
-  Water
-  Oil and Gas

contact us

Whatever service, support, or training your critical infrastructure organization is looking for, please do not hesitate to contact us. With our extensive network of professionals, expertise, and customized solutions, we take care of your needs flexibly, swiftly, and easily.



alceaglobal.com/en/contact



ALCEA specializes in protecting critical infrastructure globally, including energy, water, telecom, transportation, mining, oil, and gas. We provide comprehensive security solutions tailored to your unique needs, from access control and intrusion detection to key and video management. Our experienced specialists deliver customized, digitalized solutions that enhance efficiency, ensure compliance, and offer peace of mind.

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