



ALWIN

**security solution
for critical infrastructure
protection.**

ALWIN security solution for critical infrastructure protection

ALCEA, a brand under ASSA ABLOY, is a global security solutions provider dedicated to safeguarding vital infrastructure worldwide. The brand provides complete security solutions with an ever-evolving range of products for critical utilities, transport, and communications.

ALWIN is a modular, scalable, and interoperable software solution designed to monitor and protect critical infrastructure industries and its business applications against intrusions.

It includes electronic security products and a security management solution organized into several business modules:



ALWIN modules are independent and can be used separately, but still communicate between each other, within the software.



Access control

ALWIN offers an advanced access control module creating time efficiencies for both users and site managers. The software provides several features to ensure streamlined access management and can be integrated into third-party systems.

Access rights management	Multisite management	Visitor management	Vehicle management
Create and delete access rights, along with tracing and following the activity log for better monitoring.	Manage access to multiple sites instantly, including remote locations.	Manage visitor/subcontractor in real-time and create appropriate access rights to ensure maximum security.	Simplify vehicle access to loading docks or allow access to parking based on available parking spots.

With its intuitive platform, ALWIN enables easy creation and management of access rights to one or multiple sites, including remote site across different continents and time zones. This module ensures safe and efficient management of access, visits, and traceability for any user.



Visitor management

The visitor management module built into the ALWIN solution secures, optimizes, and simplifies subcontractor or visitor reception, to your facilities.

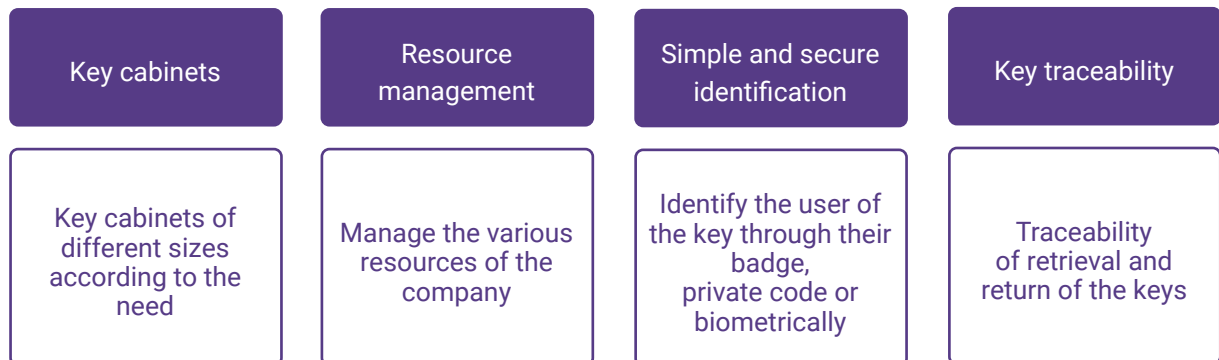
Reception desk	Video Management Systems & Modern identification technologies	Types of visits
Create visitor badges and trace and follow the activity log	ALWIN supports both physical (badge, QR code, bar code) and virtual (Bluetooth®) identification	The software caters to individual, group, or event visits, along with one-off or recurring visitors

ALWIN visitor management includes several features to offer an optimized organization for administrators and a pleasant and modern experience for visitors.

Key management: ALKEY

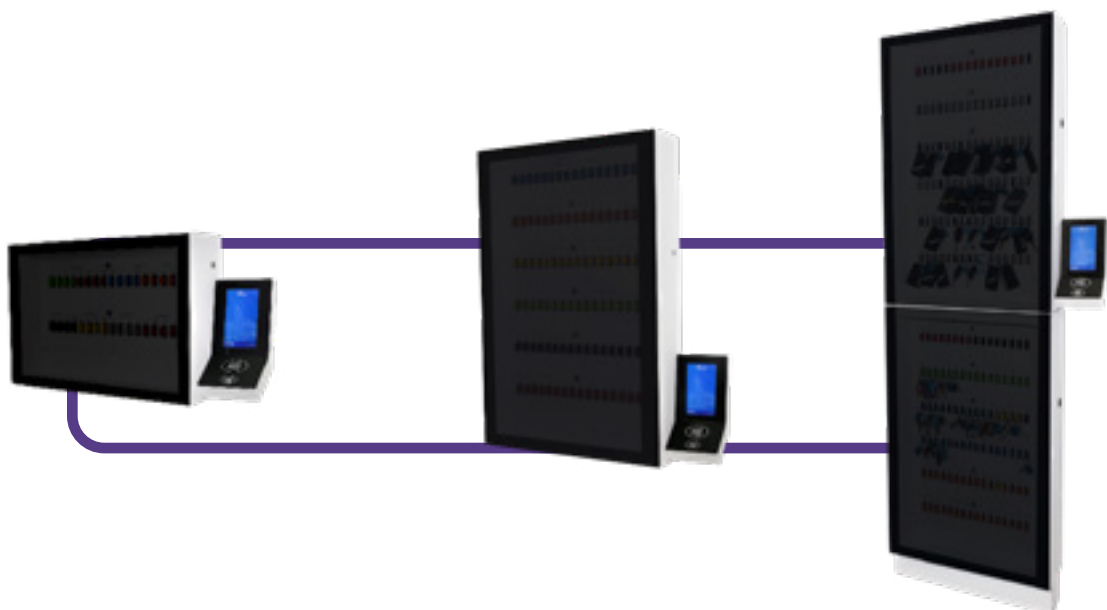
ALKEY is a range of key cabinets designed by ALCEA to simplify and secure access to various resources, even the most sensitive, shared between company employees and subcontractors.

ALKEY is managed by ALWIN key management module, independently of the other features of the overall ALWIN solution. The architecture is designed to support an unlimited number of key cabinets.



The key cabinets come in three models: small with room for 32 keys, medium for up to 96 keys, and large for up to 192 keys.

Access to the keys in the cabinets does not require any external intervention, guaranteeing considerable time savings. Each access event is recorded; therefore, each key, once removed from the cabinet, is assigned to a specifically identified person.





Intrusion detection

To prevent and limit intrusion attempts, the ALWIN solution includes a detection module to enhance security and accelerate reactivity in case of emergencies, intrusions, or breakdowns.

The ALWIN solution also manages various equipment of a building related to lighting and security (barriers, retractable pedestals, etc.). A centralized alarm system reports malfunctions via SMS or email to the supervisors.

3 types of surveillance	Intrusion alarms	Remote transmission	Alarms & intruders
Peripheral Perimeter Volumetric	Alarms for all types of surveillance	Real-time remote alarms information by SMS or email	Remote listening to the intrusion zone Remote contact with the intruder

Supervisors and administrators are immediately alerted in case of suspicious events or unusual activity in any area of surveillance, including:

- Peripheral to monitor areas surrounding the building
- Perimeter concerning all the security measures applied to the building itself (access control)
- Volumetric for motion detection in a given space.

Thanks to this module, ALWIN provides real-time alarm feedback to protect buildings, as well as the ability to listen to the alarm zone and establish remote contact with the intruder.



Video management

ALWIN maximizes site security by integrating video management systems.

The software combined with compatible cameras monitor sites under the ALWIN Vision module.

Real-time visualization	Analysis and recording	Reviewing	Alarms & intruders
Control cameras in real-time Define viewing parameters	Analyze images in the event of an intrusion	Replay any video footage through the alarm log	Identify and associate any number plate with access control

System & interface

A graphic and centralized view of the sites under ALWIN supervision is available from the interface.

The user interface centralizes access control equipment (doors), key management (ALKEY cabinets), video management (cameras) and intrusion detection (radars, etc.).

Centralization

ALWIN centralizes all modules in one place, making it easy to manage and access all security equipment at your site.

Global view

ALWIN provides a global view of your site, allowing you to monitor security equipment and receive real-time information alerts.

Icons database

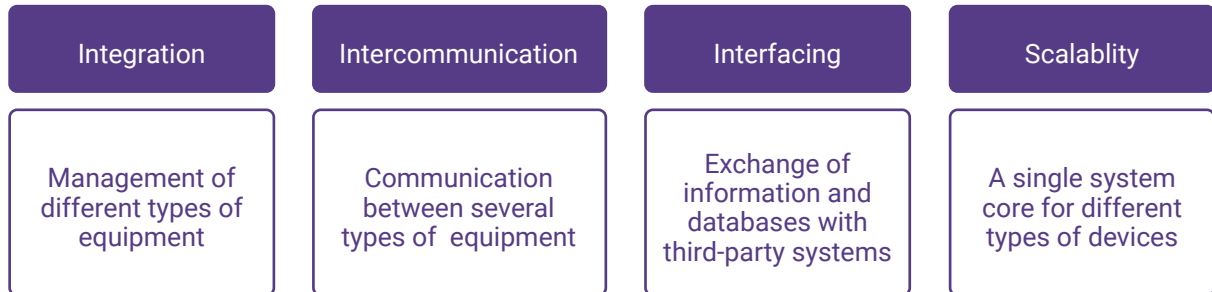
Customize the graphical interface according to your needs using ALWIN's icons database.

Real-time dynamic alerts

ALWIN's real-time dynamic alerts keep you informed of any suspicious activity or security breaches at your site.



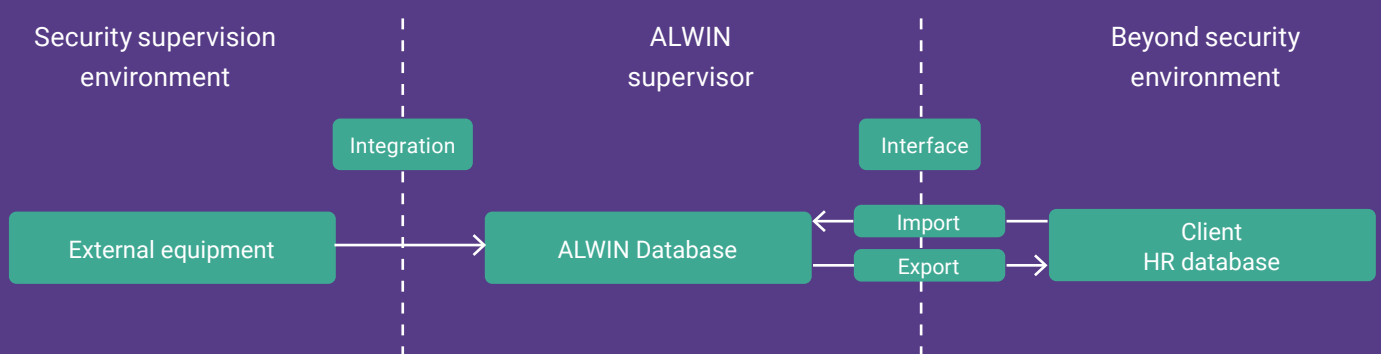
Beyond controlling ALCEA equipment, the ALWIN solution is also capable of communicating with various interfaces and integrating with various security equipment.



One of the main concerns in adopting new software is whether it is open to external data integration, and automatic exchange with other systems to avoid disruption with the installed equipment.

ALWIN solution perfectly tackles this concern, thanks to its ability to interface with different databases (example: HR database) reducing costs of manual entry and the risk of error.

It is also able to communicate with third-party computer languages and allows the integration of hardware designed by our partners. ALWIN as a supervisor software integrates with the hardware and is able to drive the product.



The user can thus, in all serenity, reuse their database and associate the installed equipment of our partners with ALCEA equipment in one environment, via an open, modern and sustainable solution.

ALWIN -

one global security solution for every need

We as critical infrastructure security experts are involved in vital functions of our society, such as energy, telecommunications, transportation and water. Each project introduces specific needs to which the ALWIN solution adapts and responds, thanks to its modularity and its assets:

- Scalable over time and space, easy to integrate and expand, contributing to the expected ROI.
- Interoperable, able to communicate with third-party systems, offering the option to use the integrated products of our partners.
- Sustainable through the compatibility with previous versions.
- Commercial advantage: the generic ALWIN licence natively includes the access control, intrusion detection and ALKEY key management licences.
- Increasingly secure, the latest generation of hardware protects sensitive data with end-to-end communication encryption certified by the French cybersecurity organization ANSSI.



Access control

- Access rights management
- Badge customization
- Encoding



Video management

- ALWIN Vision CCTV
- Video system interface
- Image analysis licence



Visitor management

- Individual or group visits
- Digital terminal
- Document reader



Key management and lockers

- Pre-booking management licence



Intrusion detection

- Alarm processing by SMS and E-mail
- Central interface

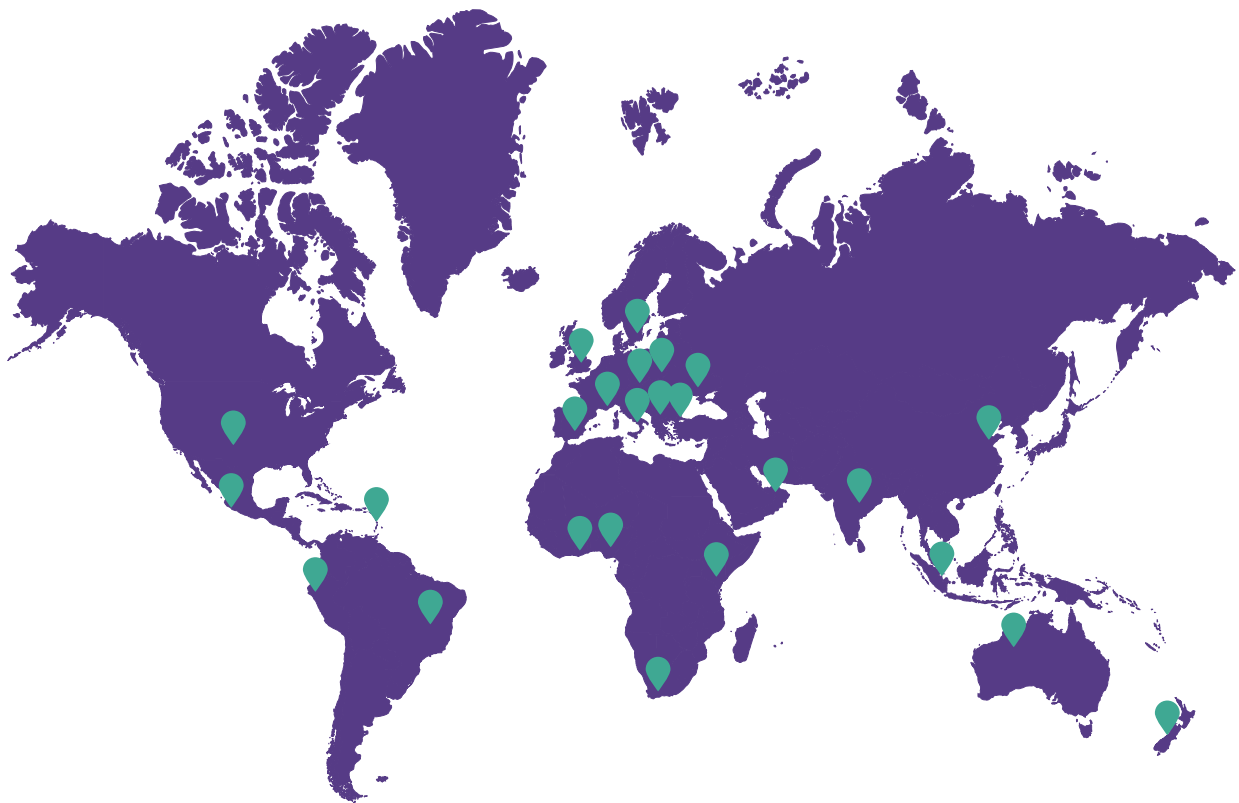


System & Interface

- Interface module
- Web services
- Standard communication protocols
- Treatment of workflows and requests
- ALWIN web

global support and worldwide service network

Comprehensive support is provided through a regionally based distribution and service network, as well as certified competence centers.



industries



Telecom



Transportation



Mining



Energy



Water

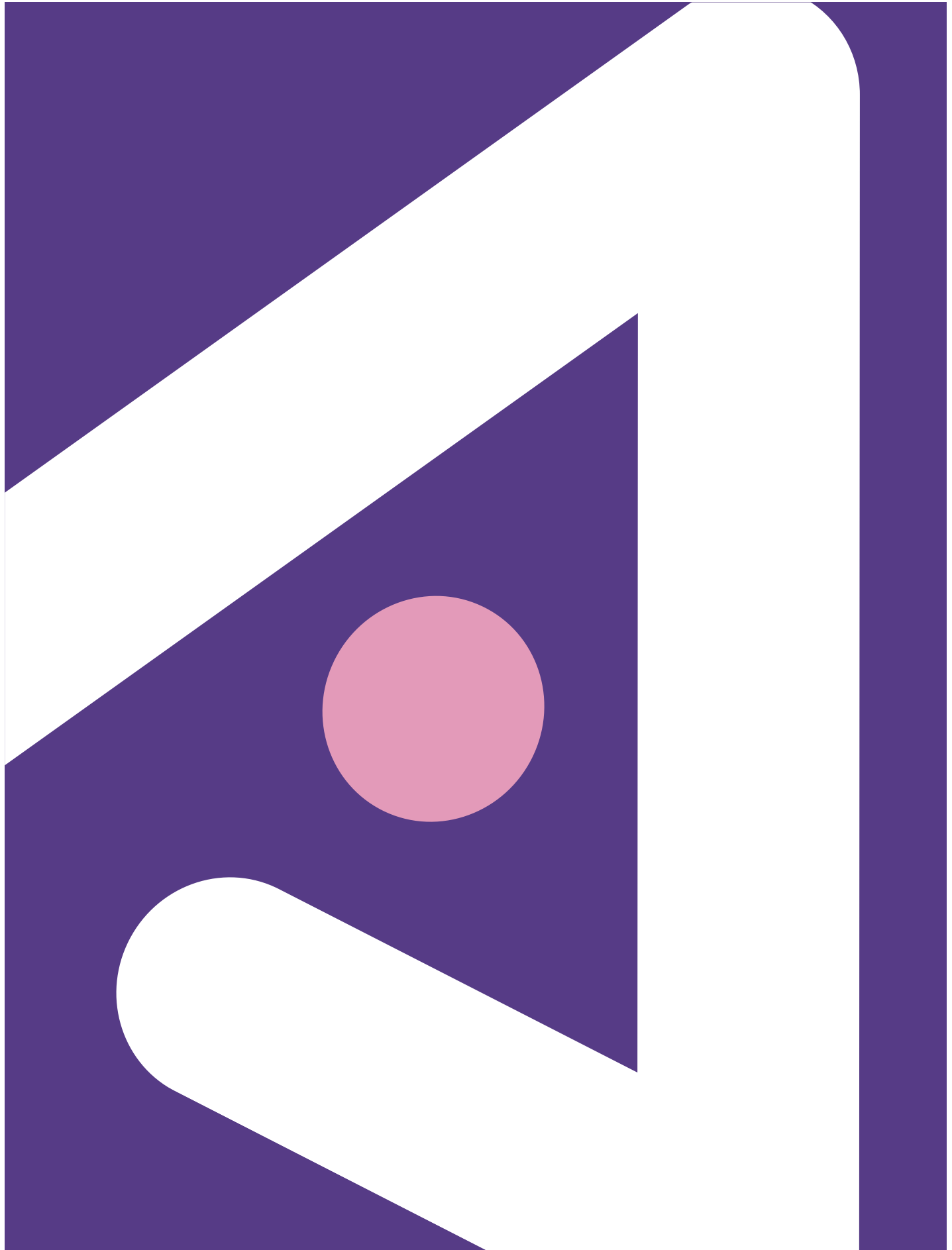


Oil and Gas

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.





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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