Oil and Gas

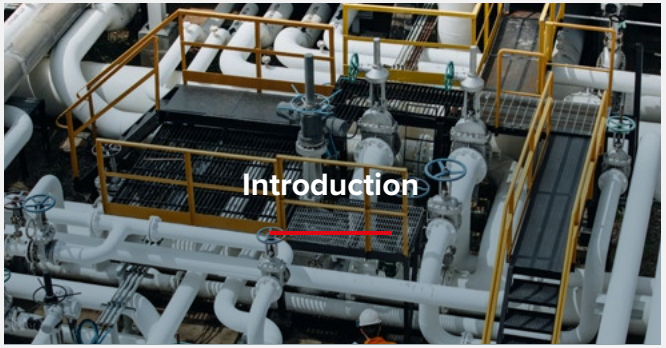
ENTER

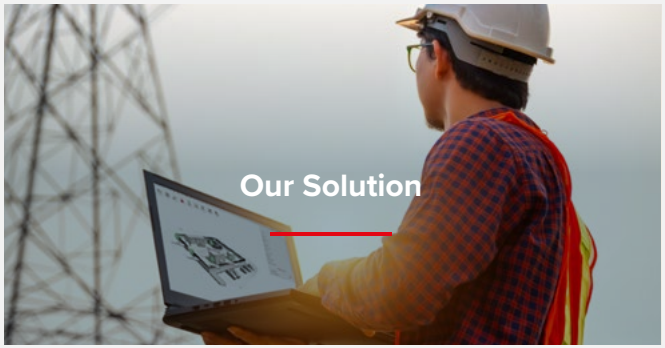
ENGLISH

ISEO®

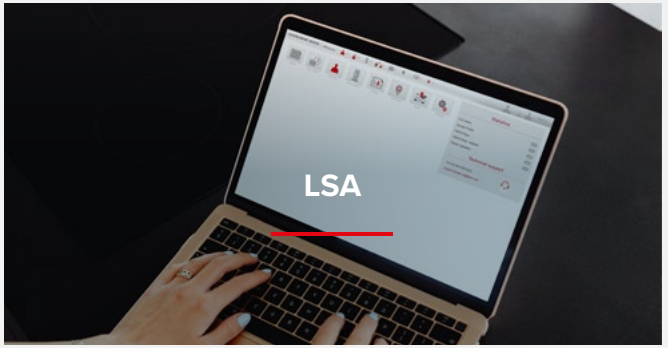
ULTIMATE ACCESS TECHNOLOGIES

Oil and Gas

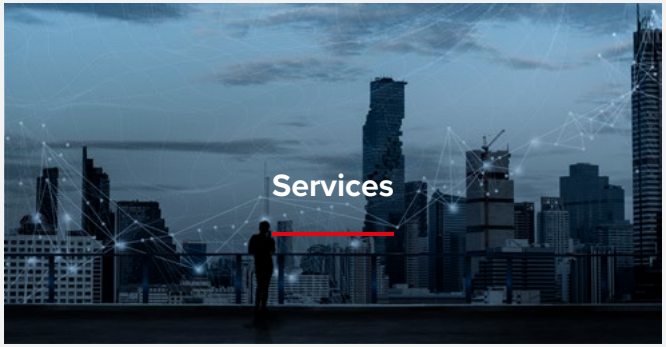

Introduction


Our Solution

Benefits


LSA

F9000


Services

Areas

Oil and Gas

The oil and gas industry is a cornerstone of modern society, powering transport, heating, electricity generation, and industrial operations worldwide. As a sector critical to global economic stability and energy security, it operates across complex, high-risk environments where safety, reliability, and efficiency are non-negotiable.

Despite the **diversity across upstream, midstream, and downstream segments**, oil and gas operations are unified by **shared challenges: strict regulatory frameworks, hazardous environments, geographically dispersed assets, and complex supply chains**. Addressing these challenges requires access solutions that go beyond physical security to enhance operational performance, workforce protection, and compliance.

ISEO is a **hardware manufacturer, software developer, system integrator, and service provider** that maintains **full in-house control** over its solutions. ISEO offers robust, ATEX-certified access management systems that integrate seamlessly into oil and gas operations and interoperate with occupational health and safety systems, certification platforms, and digital maintenance tools. These solutions provide complete visibility and control over access across the value chain, while ensuring compliance and resilience.

ISEO response:

- Systemic approach
- Tailored solutions
- ATEX-certified hardware
- Interoperable software
- Data-driven decision support
- Immaterial access rights
- Data collection and audit
- Value-added services

Do you need more information? Ask our experts.

Support

Driving innovation

Since 2003, we have been a trusted partner of leading oil and gas companies. Our deep integration into the core business processes of our customers has enabled us to continuously consolidate our expertise.
We improve our solutions by developing innovative hardware and services, adapting our organisation to meet the evolving needs and goals of our clients. Additionally, we ensure **compliance with new laws and regulations**, supporting seamless **operational processes**. As oil and gas industry evolves, so do we – delivering excellence through innovation and collaboration.

Systemic approach

Our approach in the oil and gas segment is built on fostering **direct relationships with customers** and certified value-added resellers to ensure precise alignment with specific business needs.
Operating in a project-based mode, we emphasise the development of long-term partnerships and the creation of tailor-made access management solutions, delivering unmatched value and flexibility to meet the unique challenges of the industry.

LSA

ISEO simplifies access management in utilities with LSA software. The **web-based multi-user software is customisable to each company's needs**, granting flexibility, straightforward updates, efficient collaboration and enhanced data security.

Our Solution

ISEO incorporates access control into a comprehensive approach designed to enhance security, optimise operational and safety management performance, and integrate with new value-added services.

HARDWARE

F9000 contactless mechatronic product range

The ISEO F9000 mechatronic product range provides oil and gas companies with a **durable, cable-free digital access management solution** that boosts security, lowers maintenance costs, and enhances efficiency.
Featuring **IP66–69-rated cylinders and ATEX certification**, it ensures reliable performance in harsh, explosive, or flammable environments while supporting regulatory compliance and infrastructure protection.

SOFTWARE

LSA access management system

LSA is the ultimate access control system for the complete digitisation of access management in the oil and gas industry. A versatile **web-based software tailored for administrators and access managers** to streamline the configuration and operation of any access control system using ISEO technology.

MyLocken App for smartphone

With MyLocken App, the staff can manage access rights from their smartphones. The app synchronises with the mechatronic keys to deliver real-time and secure access management.
In addition, MyLocken App enhances access control with an array of **services focusing on safety** (required safety instructions notifications, hazards reporting, site warnings), **security** (lone worker), **operational management and compliance** with customers' processes.

SERVICES

Value-added services

ISEO provides **comprehensive assistance across all project phases** (pre-sales, deployment and post-sales) and maintains full supply chain control, enabling it to meet each customer's specific needs through customisations and seamless integrations. Combining its strengths as a manufacturer, system integrator and service provider, ISEO leverages strong **production expertise and a consultative approach** to ensure **tailored solutions** that are easy to use and compatible with existing systems.

Benefits

For every professional involved in oil and gas site management, LSA access control system with F9000 mechatronic product range enhances security and safety, streamlines operations, and optimises efficiency. Our technology adapts to customer processes, reduces administrative effort, minimises access failures, and provides the tools needed for large-scale deployments, thanks to detailed reporting, cost reduction, and enhanced health and safety compliance.

Security and site management

ADVANCE SECURITY AND ACCESS MANAGEMENT FOR ATEX SITES
The **F9000 product range**, certified for **ATEX EX 2 G Ex ib IIB T4 (Zone 1)** and built to withstand extreme conditions, offers unmatched reliability and maintenance-free security. With contactless technology and **IP 66-67-68-69 rated** cylinders, it ensures long-term, cost-effective protection. The **LSA access control system** simplifies management with a **single key for multiple sites** and allows to monitor site locations and statuses on a map, collect data, and generate **reports on access** events and potential hazards. This enhances the ability to respond quickly and **maintain safety and security** standards across sites. The **MyLocken app for smartphone** streamlines permissions and workflows and enhances access management systems with an **array of customisable automations**.

Health & Safety management

AUTOMATED SAFETY SOLUTION FOR SITE OPERATIONS
The **LSA** platform is a **scalable, flexible system** that allows admins to efficiently manage both access and **safety workflows**, with customisable features to adapt to specific business needs. It streamlines automated processes, ensuring **digital safety and security protocols** are maintained throughout the infrastructure.
The **MyLocken app** further enhances the access management system, offering customisable **automations such as safety instructions notifications, hazard reporting, alerts, and compliance tracking**.

Operations management

BOOSTING THE OPERATIONAL EFFICIENCY AND EFFECTIVENESS
The combined **LSA access control system** and **F9000 mechatronic** range streamline operations and cut costs by **digitalising access and workforce management**. F9000's **maintenance-free**, power-free design ensures **long-term reliability**, while LSA's centralised platform reduces administrative workload and downtime **through automation** and **smartphone-based access** via the MyLocken App. Scalable and workflow-driven, the solution **integrates** seamlessly with existing **systems like CMMS, SCADA, and asset management tools**.

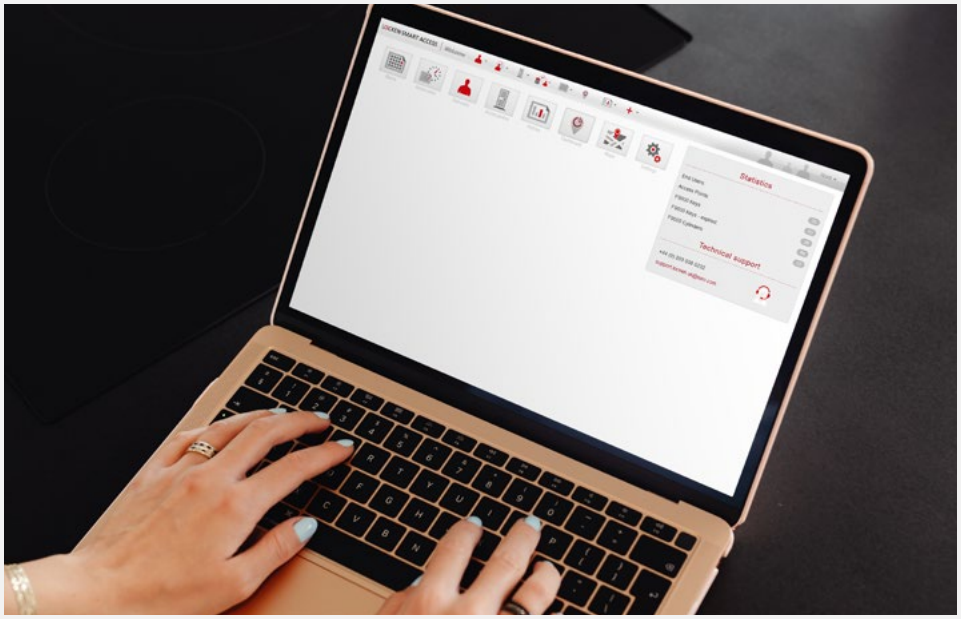
Digital transformation

EMBRACING DIGITAL TRENDS FOR RELIABLE OPERATIONS
Our SaaS solution offers a flexible and scalable platform for managing site operations. With **proactive monitoring, disaster recovery, and continuous security updates**, we ensure that data is safeguarded against evolving threats. The Integrated Management System of ISEO is compliant with the **ISO 27001** standard, and our solution integrates flawlessly with AI-driven security services and big data tools, enabling efficient data processing and enhanced decision-making.

LSA

Enhanced operational and access management efficiency with LSA

LSA is a web-based multi-user customisable software that is used by administrators and access managers to configure and operate any access control system based on ISEO's 1RIS platform.
This new-generation software is aimed at **simplifying access management for all types of solution**, whether small, medium, large or complex systems.
With the ISEO F9000 ON keys and cylinders, you can easily manage your security systems through the LSA software – the heart of your solution. The LSA software is designed to help you streamline access management, improve security, and boost profitability, all while meeting the unique demands of your company. LSA can be **tailored to fit your specific requirements, whether in a SaaS model or as an in-house installation**. And with easy integration with third-party information systems, you can be sure your existing infrastructure works seamlessly with our solution.



The LSA software also provides intuitive features, like **real-time access requests and graphical displays of key data** (including maps, floor plans, and more), giving you complete control over your access points and user presence at any time.

With ISEO's expert support, this solution is fully customisable to the organisation's needs, ensuring that you get the most out of your system, today and as your needs evolve.

KEY BENEFITS

- **Save time**
  automate routine tasks, so your team only needs to intervene when there's an exception
- **Increase efficiency**
  easily integrate with your existing IT systems, cutting down on management time and cost
- **Adaptable**
  tailor the software to meet your company's unique requirements – and as those needs evolve, LSA evolves with you
- **Simplify security**
  manage multiple hardware types – whether standalone or integrated – through a single, unified system
- **Customisable licenses**
  choose from software licenses with IT support and hosting or a subscription-based SaaS model to suit your budget and operational needs

MyLocken App

Maximise efficiency and real-time management

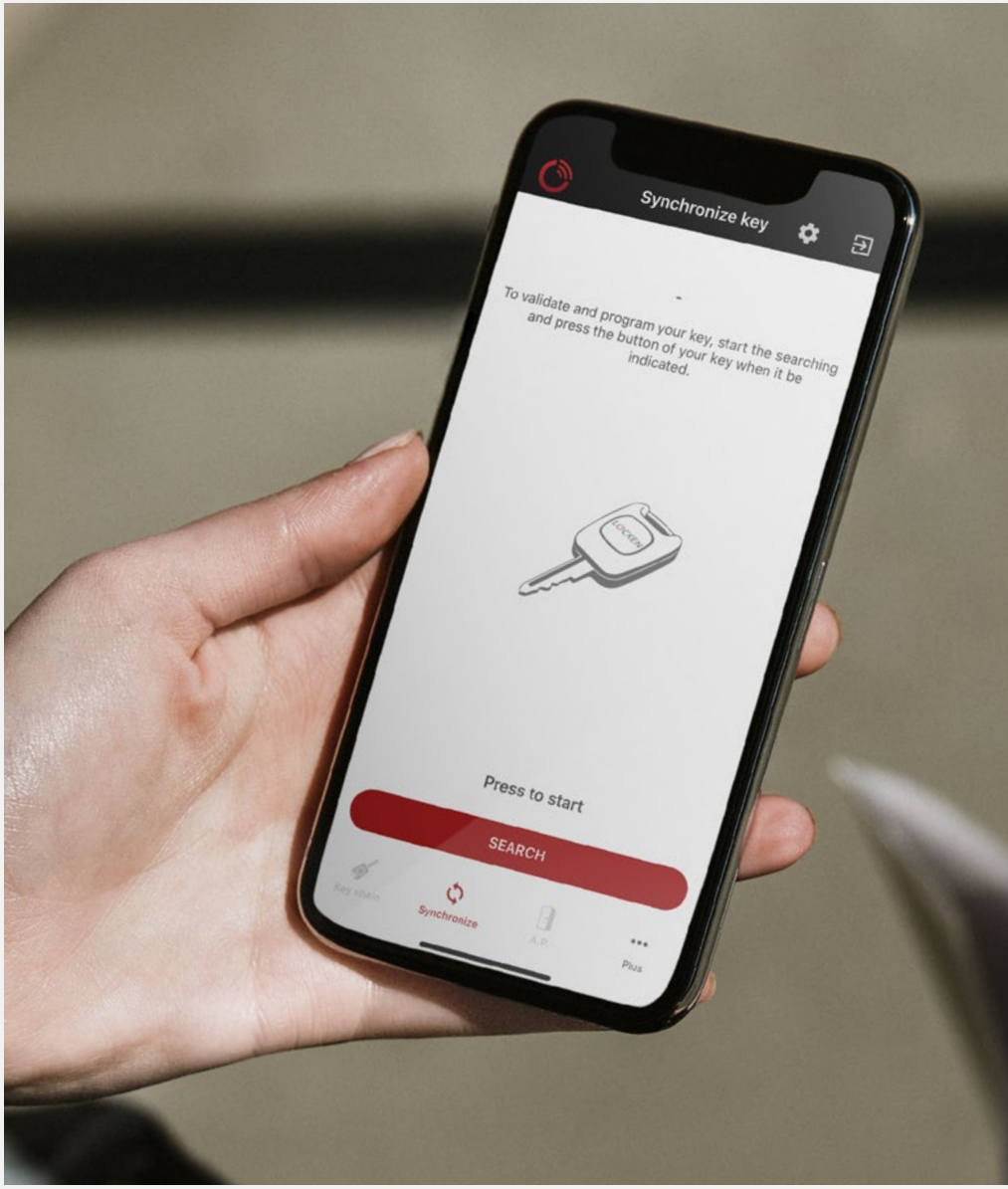
ISEO's MyLocken App leverages **cutting-edge Bluetooth® technology** to transform the way businesses manage access control in oil and gas sites.

Designed to offer real-time capabilities, MyLocken App enhances operations with a range of smart features:

- **Instant access rights updates**
  modify access permissions in real time with a Bluetooth-enabled key, ensuring immediate changes without delays
- **Safety and risk management**
  users have access to required safety instructions notifications, hazards reporting, site warnings
- **Unified access schedule management**
  streamline the process by managing all access schedules in one place, making coordination simpler and more efficient

Thanks to advanced technologies like beacon and RFID, MyLocken App also allows to collect contextual data to gain deeper insights into operations, including:

- **On-site presence**
  know exactly who is on site and when
- **Operation duration & authorisation**
  track how long users are on-site and ensure they are properly authorised
- **Anomaly alerts**
  stay ahead of potential issues with real-time anomaly notifications, helping you maintain security and operational efficiency



F9000

ISEO's F9000 mechatronic product range, including the F9000 key, cylinders, key boxes, and padlocks, provides oil and gas sites with a comprehensive digital access management solution designed to enhance security and safety, improve operational efficiency, and reduce maintenance costs across their sites.

KEY FEATURES AND BENEFITS

- **REMOTE, DIGITAL ACCESS MANAGEMENT**
  The F9000 Contactless Key is a virtual container of access rights. It uses Bluetooth® to **allow site administrators to remotely manage access via Smartphones**, providing access for technicians, workers, and subcontractors at multiple sites **without the need for physical key exchanges**. Access rights are granted or revoked digitally, improving operational efficiency and flexibility for teams working across various locations.

- **CERTIFIED SECURITY STANDARDS**
  ISEO access control solutions are **ATEX EX 2 G Ex ib IIB T4 (Zone 1)** certified, making them ideal for areas with explosive or flammable gases. The F9000 cylinders meet the **EN 15684:2020** certification, and the F9000 padlocks comply with **EN 16864:2017** standards, ensuring that oil and gas businesses are receiving high-quality, certified products that adhere to the **latest security regulations** for access control in installations.

- **RELIABILITY IN HARSH ENVIRONMENTS**
  Designed to withstand the demanding conditions of remote and challenging sites, the **F9000 mechatronic products are IP 66-67-68-69-rated**, resistant to moisture, dirt, and wear, ensuring reliable performance.

- **REDUCED MAINTENANCE COSTS**
  The F9000 products eliminate the need for constant maintenance. **Cable-free and contactless** (induction technology), the cylinders, padlocks, and key boxes operate with **no power supply required**, ensuring long-lasting reliability and reducing ongoing maintenance and replacement costs.

- **ENHANCED SECURITY & FULL TRACEABILITY**
  Each component of the F9000 product range is **equipped with unique, non-duplicable identifiers**, and **access events are logged in the system for full traceability**. In the case of security incident, it can be disabled remotely, ensuring immediate control over security without the need for physical intervention.

- **INCREASED OPERATIONAL EFFICIENCY**
  By offering digital access rights and remote management, the F9000 system helps oil and gas companies optimise operations. Workers receive **access authorisations** in real time, allowing them to **perform their tasks more efficiently** and **with less downtime**. The system authenticates the key in less than 80ms, similar to a normal mechanical key.

- **SCALABLE AND FLEXIBLE SOLUTION**
  The F9000 mechatronic system is **scalable, easily adaptable for monosite or multi-site**, making it ideal for oil and gas companies managing a wide network of sites. The system can grow accordingly. Additionally, the optional **Mifare chip adds RFID functionality**, allowing for even greater access control flexibility.

Services

ISEO provides **comprehensive assistance across all project phases** (pre-sales, deployment and post-sales), and maintains full supply chain control, enabling it to meet each customer's specific needs in complex and multisite contexts.
Combining its strengths as a manufacturer, system integrator and service provider, ISEO leverages strong production expertise and a consultative approach to ensure tailored solutions that are easy to use and compatible with existing systems.

HOSTING

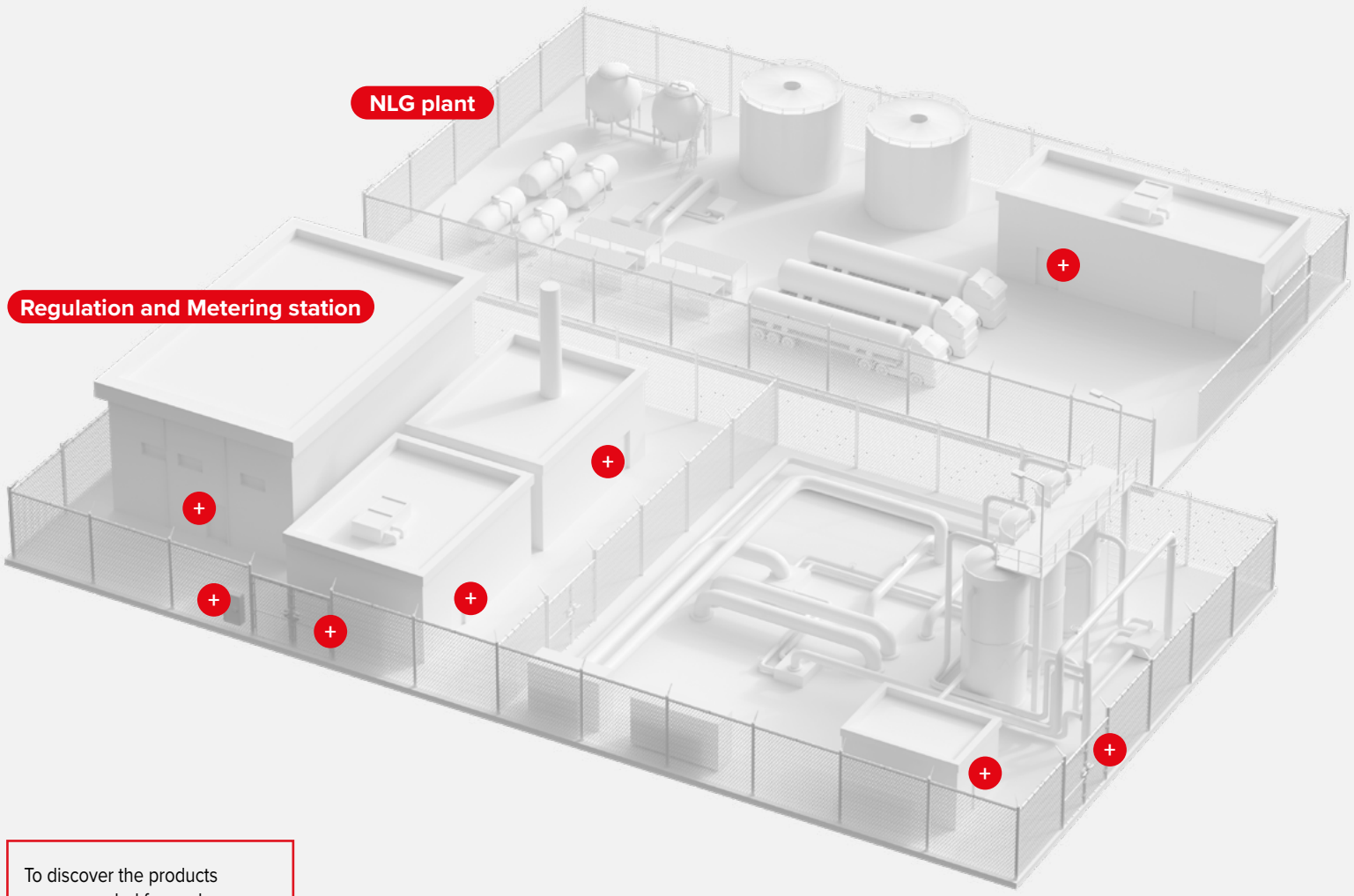
TRAINING

CUSTOMISATION

MAINTENANCE AND SUPPORT

PROJECT MANAGEMENT

Areas



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Oil and gas solution by areas

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