



ABLOY® Safety and Security Systems for
PETROLEUM







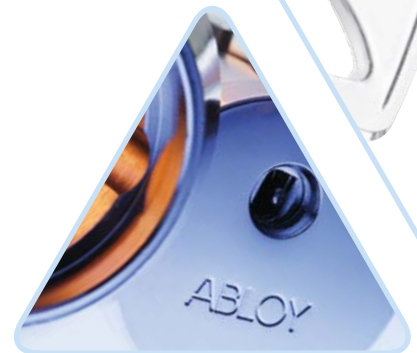
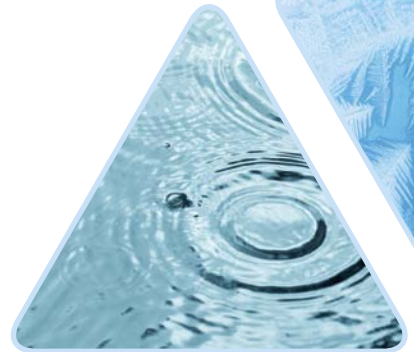
SAFETY AND SECURITY IN ANY ENVIRONMENT

The world is challenged by mounting security threats in every conceivable sector.

The need for security may vary in different organisations according to their size and function, but the need for high security system solutions remains universal. A growing number of utilities, public institutions, industrial enterprises and companies depend on the ability to deliver their services 24/7. Any break or interruption to this service can cause a severe challenge to security, a costly loss of revenue, a breach in health and safety and a ruined reputation.

ABLOY® locks and cylinders are chosen worldwide for their strength and resistance even in the most exposed of locations, capable of daily defying the elements, both on land and sea, facing the extremes of cold and heat.

ABLOY® products are used extensively by private, commercial and government end users all of whom demand the ultimate high security.





SECURING OIL SUPPLY CHAIN

The nature of the petroleum industry creates demands for extremely high security.

Security has always been and continues to be a priority across the petroleum industry from field to gas station. Huge operations are run daily and they must be carried out without interference despite of the circumstances. World's economy is dependent on oil and natural gas. The security of such an asset should be handled by only the finest, toughest of products.



**CONTROLLING
AUTHORISED
ACCESS**



**PREVENTIVE
SOLUTIONS AGAINST
ENVIRONMENTAL
DAMAGES**





Inadequate security measures can cause catastrophe to human safety and significant soil and ground water contamination.

Accidents in delivering and unloading a wrong fuel type to a gas station can cause devastation for business, ruin reputation and cause significant revenue loss. Accidents caused by human errors can be minimised by security procedure. By choosing locking system which ensures key management and usage monitoring plays a huge role. Controlling access into, within and out of a facility or critical asset area helps to prevent any sort of criminal act.

EXPLORATION AND DRILLING

As exploration and drilling activities move into increasingly remote and hostile locations, the need for continuous security increases. Personnel access must be tightly controlled to ensure safety while also allowing freedom of movement for both company personnel and appropriate subcontractors within authorised areas.

REFINERY

Refineries may be a target of terrorism or sabotage and therefore sites must be extremely secure while allowing effective daily operations and maintenance. It is important to prevent any unauthorised access.

STORAGE AND TRANSPORTATION

Getting oil from the field (well) to the refinery and from there to the service station requires a complex transportation and storage system. The potential of sabotage for trucks and storages is also high. Therefore vehicles and storages must be protected against any sort of attack in order to avoid damage or disruption to the supply chain. Protecting cargo and the equipment are of great importance.

DISTRIBUTION AND RETAIL SERVICES

At the service stations usage of dispensers must be controlled and secured properly. The consequences of inadequate security measures can be injuries to public or to workers, significant financial losses, severe environmental damage and interruption in business.



AVOID
SIGNIFIGANT
FINANCIAL
LOSSES



PROTECTION
AGAINST
ADULTERATION





COMPLETE HIGH SECURITY SOLUTIONS

*The driving force behind every part of **ABLOY®** is the commitment and ability to understand and solve our customers' security related challenges and provide complete solutions globally.*



ENCRYPTED COMMUNICATION **ABLOY®** PROTEC² CLIQ

ABLOY® PROTEC² CLIQ Remote provides a highly flexible key access management via the internet thus providing a time saving and cost effective solution. In case of a lost or stolen key, the key can be electronically removed. Audit trail can be collected from keys and any **ABLOY®** PROTEC² cylinder product. Communications and data are protected by secure encryption. **ABLOY®** PROTEC² CLIQ Remote has won a number of international awards in access control category.



SUPERIOR MASTER KEYING FEATURES

All **ABLOY®** cylinder products can be keyed into the same master key system, all operated with a single key. **ULTIMATE** high security features can be further enhanced by integrating the intelligent **ABLOY®** CLIQ technology with **ABLOY®** PROTEC² mechanical master key systems thereby utilising both mechanical and electronic access.



MEETING DIFFERENT STANDARDS

Over several years, the standards of protection have been introduced demanding most robust solutions against physical attack and ability to withstand chemical corrosion and extreme weather conditions. **ABLOY®** products have been tested according to several international standards. Our products not only meet but exceed requirements of exacting international standards but also national and customer specific standards for high security. No matter what application, we can offer a range of products to suit your needs, thus **ABLOY®** offers a global solution.



ELECTROMECHANICAL LOCKING TECHNOLOGY

Abloy Oy has extensive range of electric locks which offer superior technology as well as unsurpassed levels of functionality and durability, making them the natural specification for high security environment. Abloy's range of electromechanical locking includes large variety of products both for internal and external door environment.



INTELLIGENT TASK AND KEY MANAGEMENT SYSTEM

Based on individually coded electromechanical key holders, **ABLOY® KEYAXCESS** provides the industry-leading key control and task management solution for your crucial keys. Key security includes issuing and auditing, alerts and setting time frames for various tasks as well as advanced reporting.



ABLOY® CYLINDER MECHANISM

All **ABLOY®** cylinder products employ the unique, patented **ABLOY®** rotating disc mechanism which makes **ABLOY®** cylinder products virtually pick proof and bump proof. They provide smooth and reliable functionality, excellent resistance against physical attack and maximum resistance to hostile and severe environments.



ABLOY HAS A KEY ROLE IN WORLDWIDE SECURITY

The unique **ABLOY®** detainer disc cylinder mechanism was invented in 1907 by Emil Henriksson, an office machinery mechanic in Helsinki, Finland. Ever since its invention **ABLOY®** has been at the highest level of the lock industry.

ABLOY® products are result of continuous R & D, testing and our ability to understand and solve customers' security related challenges. Our continuing mission is to help people feel safer and more secure, without compromising the freedom in their lives.

The worldwide network of Abloy Oy's sales units and distributors provide the best local service and expertise. Our distributors are trained to help you design secure master key systems and key control solutions, assisting you select the right products for your application and help you understand the latest trends and needs in physical security.

All **ABLOY®** cylinder products are designed and manufactured in Finland.



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Your local **ABLOY®** contact:

An ASSA ABLOY Group brand

Abloy Oy is one of the leading manufacturers of locks, locking systems and architectural hardware and the world's leading developer of products in the field of electromechanical locking technology. ASSA ABLOY is the global leader in door opening solutions, dedicated to satisfying end-user needs for security, safety and convenience.

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