PROTELION

Company
Profile

About Protelion

Protelion GmbH is a German (Berlin) based security company with international sales and marketing branches in the USA, Switzerland, and England as well as development and production facilities in Germany and Central Asia.

Protelion GmbH, together with its international partner distribution network, employs over 300 people at decentralized locations world-wide.

Protelion GmbH is a private, independent, globally oriented company founded in 2004 by international shareholders and thus looks back on a long and successful company history in Germany and abroad.

The Protelion mission is to offer to govern-mental organizations the best solutions to meet the constantly evolving challenges by providing highly secure, robust, cost-effective encryption and security solutions, designed to master today's and the cyber security challenges of the future.

Protelion Solution Wordwide

Protelion solutions are successfully used and implemented worldwide in a wide range of applications and scenarios. Our customers include, governments, armies, law and order, critical infrastructure-, oil-, gas- and pharma-ceutical industries as well as private national and international companies.

The Protelion solutions and products are based on field-proven security technology that has been deployed thousands of times in numerous countries and organizations and works absolutely reliable and secure in everyday operations.

Key features of Protelion solutions are the intuitive user interfaces and the very easy roll-out capability, resulting in a remarkable short implementation time.

The continuous development and high com-munication security of Protelion solutions have been achieved by using the modern and certified AES 256 bit algorithm, which meets the highest governmental and private organization requirements for communication security.
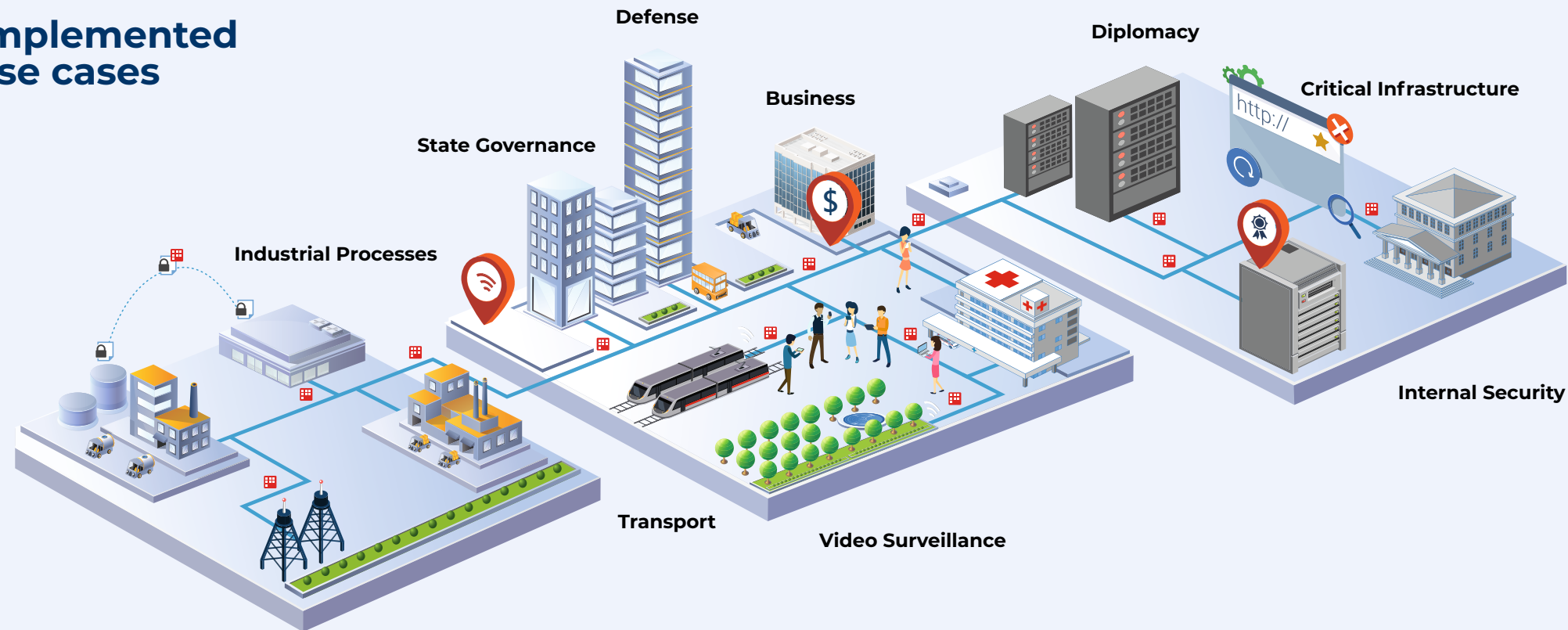
Protelion Security Management Center

The Protelion SMC is a security management platform to administer Protelion solutions and products in an all-in-one scalable appliance. It facilitates Protelion security products deployment, management, key generation and license management delivery. Protelion SMC furthermore provides easy-to-use tools for multiple host monitoring, device management, software updates and security policy configurations.

Threat Detection and Response

Protelion offers its proper solution to monitor the actual state and activities in an IP network. The Protelion TDR – Threat Detection Response System – offers appropriate network and host sensor applications combined with its event analysis tool to implement a very effective Monitoring- respectively Event and Incident Detection System.

Protelion VPN security technology

Protelion solutions are based on our special Protelion VPN security technology, which is different from standard VPN solutions. Specially optimized devices and applications have been developed for various everyday communication applications, such as:

• Hardened VPN Security Gateways
• Secure Mobile-, IP-Phone communication and data transmission
• Hardened Mobile-Phone platform
• Protected remote access for home office and video conferencing
• Secure backbone communication between data centers and/or different organizations/departments
• Securing IP-Video camera transmissions
• Securing of control systems in the industry sector (SCADA)
• Next Generation Firewalls

Implemented use cases

Diagram labels: Defense, Diplomacy, Business, Critical Infrastructure, State Governance, Industrial Processes, Internal Security, Transport, Video Surveillance

State Governance

Communication security within government organizations
Employees bring their own equipment to the workplace and use it frequently (BYOD). With Protelions solutions, private devices can be protected and approved for government use.

Communication security for home office workstations
Home office equipment, either used for sensible government or critical business work, is usually connected to an insufficiently protected network that can easily be hacked. With the help of Protelion solutions, the entire home office area can be secured in the simplest way.

Diplomacy

Secure mobile communication at any time, everywhere all over the world
Most government entities still use public communication tools with insufficient protection such as „open user group"- messenger services for their internal and external communication. With the Protelion Messenger solution, communication between ministries, presidencies, embassies and high-ranking politicians can be secured at the highest level.

Defense

Umbrella Security for confidential information exchange and communication
For military activities especially strategical ones, decisions and information need to be protected and securely transmitted over any kind of physical channels (like satellite, microwave, fiber or ethernet). For transmissions via these channels, using IP protocol, Protelion offers an adequate VPN solution to highly secure the crucial sensible information.

Internal Security

Secure hardened mobile communication for top secret missions
In a special forces mission (police or military) against e.g. drug trafficking or terrorism, it is essential to have reliable communication at any location which in addition is absolutely secure against eavesdropping to ensure the success of the mission and the protection of the officer's lives. Protelion Mobile AR provides the adequate secured mobile platform and protected communication solution for theses scenarios.

Critical Infrastructure and Industrial Processes

Secured SCADA control in critical infrastructure and manufacturing plant
Control systems in power plants and industries are particularly vulnerable. Foreign access can cause significant damage and danger. Protelion VPN solutions can ensure the integrity of the plant's IP systems.

Transport

Secure ticketing solutions for public transport
Ticketing is a sensitive area that needs special protection. Access by third parties can lead to significant losses and obstruction in public transport. The Protelion solutions protect this area from attacks.

Business

Secured process and video surveillance for industry and service sector
Building surveillance video cameras, process controls and most data transfer can be intercepted very easily. By using Protelion network protection solutions, these transmitted data and information can be proteced by securing the communication channels.

PROTELION KEY BENEFITS

1. Easy and simple implementation in existing infrastructures and fast roll out of all solutions
2. User-friendly home office solution for government agencies and businesses
3. Real End to End connection without intermediate server, based on military grade certified encryption
4. Hardened Android mobile phones with platform security and verified user specific App-Store
5. Communication Security Applications for all common Mobile-, IP-Phones and Computers
6. Session less VPN (no new Handshake required)
7. Tamper proof AR-Hardware with emergency clearance of all critical data and security keys
8. Scalable, flexible and centrally managed solutions (SMC)
9. Various security solutions for government, business and industry
10. Possibility of customizing encryption algorithm
11. Offline File Encryption for additional protection when working in the field (no VPN access available)

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