

MER Cyber Security Services for the Aviation Sector

The Challenge

Airlines, airports and airplanes face security threats from multiple directions: terrorists looking to disrupt modern travel and way of life, foreign governments and hackers looking for intelligence and criminals attempting to steal funds and commit fraud.

With the increasing adoption of digital technologies across the aviation sector, cyber security is becoming a serious and urgent concern. A successful cyber-attack can threaten lives, cause significant financial loss, disrupt operations and may lead to an irreparable damage to reputation.

MER Group has developed a dedicated comprehensive cyber security solution to meet the high demands of the aviation industry that requires more than traditional security measures to protect its complex ecosystem. It is based on a strategy that brings together highly trained personnel, up-to-date solutions, and the right technology and capabilities to detect, analyze and respond to threats in a timely and effective manner.



The Solution

MER is offering a comprehensive solution that concentrates on the big picture and creates tailored cyber security programs based on vast experience in cyber warfare & Intelligence. Our expert cyber-security team has developed a holistic cyber strategy, addressing multiple threats within the aviation sector:

- Airline and airport web services
- Critical infrastructure infiltration
- On-board systems attack
- Cyber terror threats
- Frequent flyer skimming
- Supply chain inspection
- Insider threats
- Denial of Service attacks
- Account takeovers
- CryptoLocker attacks (also known as "Ransomware")

In order to counter these threats, MER has developed a strategic portfolio of complementary services to reinforce the organization's security posture and bring it to the forefront of current technology and knowledge.



Cyber Threat Intelligence – Taking the Initiative

In the ever-shifting landscape of cyber crime and terrorism, having access to timely information and intelligence about possible threats and impending attacks is vital to protect the organization. MER's multi-lingual team of experts gathers contextual information from open sources and the DarkNet to create a comprehensive review of the organization's cyber threats. The report is created individually to serve the needs of the specific customer and contains detailed and prioritized information about past, existing and potential cyber threats together with recommendations for mitigation.

Professional Cyber Services – The Human Advantage

A package of cutting-edge services that will take the organization from planning to implementing an effective cyber security strategy.

- **Risk Assessment** - a comprehensive review of the company's security level, listing vulnerabilities and mitigation recommendations.
- **Cyber Security Plan** - A detailed, actionable and optimized cyber security and business continuity plan based on the completed risk assessment.
- **Incident Response Support** - Emergency expert service available 24/7 to handle any case of breach or attack, in order to limit damages and reduce recovery time and costs.
- **Training and Mentoring** - Flexible cyber security training programs from general awareness to advanced cyber security skills.
- **Cyber Security Operations Center (CSOC)** - Establishing a state of the art intelligence-driven cyber security operation center, focusing on the processes, technologies and people required to provide the organization's security team with centralized alerting and investigation tools and capabilities.

Safe, Smart and Secure Airports

Current technologies of convergence and smart facilities allow airports to offer new services to travellers, while saving on energy and maintenance costs and improving security and safety. Connected airports, however, are also more vulnerable to cyber attacks.

As part of its services, MER provides a complete Safe, Smart and Secure Airport solution, which addresses these cyber risks to protect the facility and the people using it. Cyber protection for smart airports can be provided as a standalone service, or as part of a complete Smart Airport implementation.

Why MER?

- Proven track record across the globe in complex and large scale security projects that require a high level of expertise.
- Vast experience in cyber warfare & Intelligence.
- A single, accountable provider responsible for seamless implementation and operation.
- Integration expertise with a diversified portfolio of providers and subsidiaries.
- Local operations around the world and local offices in more than 21 different countries for better support and rapid response
- An innovative company with stable and dependable operations.