

FM Global Safety Solutions AB - Mobile Strongroom

patented and certified shipping container strongroom

the challenge

Shipping containers have played a pivotal role in the history of global trade and logistics, revolutionizing the shipping industry by transforming the way goods are transported worldwide. While different innovations have increased the effectiveness of containers over the years, innovations in security have been relatively minor. Criminal networks are increasingly finding sophisticated ways to commit cargo theft and exploit system vulnerabilities.

Incidents of cargo theft, along with storage theft, have escalated dramatically in recent years, posing significant risks not only to individual companies and corporate supply chains but ultimately to the economy at large. This challenge has grown into a multi-billion-dollar criminal enterprise, resulting in substantial financial losses for all parties involved. As the transportation landscape continues to evolve, so do the tactics employed by criminals, constantly looking to exploit any weaknesses within the system.

The continuous evolution of security risks within the supply chain necessitates a proactive and vigilant approach to safeguard assets and maintain the integrity of global commerce.

the innovation

Mobile Strongroom, from FM Global Safety Solutions (FMGSS), is the only certified break-in proof intelligent vault shipping container in the world. It provides the highest level of container security for secure storage and safe transportation across ocean, road, and rail freight.



Mobile Strongroom has fully reinforced protection at every elevation of the unit including the doors. This reinforcement comes without a significant increase in weight, nor a significant reduction in storage space, due to our patented internal container structure.

Mobile Strongroom is a genuine 'smart vault', equipped with advanced real-time monitoring systems to collect data including location, temperature, humidity, shock and more. The vault doors are integrated with advanced locking technology to monitor access. Assets can be detected and logged when they are retrieved or returned.

Mobile Strongroom can also act as a stand-alone storage solution, without the need for external container doors, enabling 24-hour unattended security as part of site storage or as a last mile delivery solution, saving valuable time while reducing fuel costs and carbon emissions.



Key Features

- Keyless entry
- Self-locking
- Real-Time Asset Intelligence Terminal
- Identifying & programable vault-lock system
- Third-party hardware/software integration ready, i.e. mobile access
- High protection multi-lock, ballistic, blast and fire resistance
- Low weight, only 9,19% reduction in payload (20ft)



how it was implemented

Implementation of Mobile Strongroom required a collaborative effort involving key stakeholders from various industries, transporters, insurance companies, and industry experts. Mobile Strongroom had to meet specific requirements, with primary focus on security, while also incorporating functionality, maximum weight capacity, ease of access, and high-tech features to enable real-time integrations.

During rigorous tests by the independent state-owned research institute RI.SE, Mobile Strongroom underwent thorough assessments to determine and classify its resistance level according to EN 1143-1, which falls under ISO standards. This meticulous testing process served as the foundation for certification.

Mobile Strongroom was earlier this year introduced to the Swedish market as a secure mobile storage solution, used on site in various projects and recently with presence at leading conferences globally.



Figure 3 - A typical shipping container or a mobile strongroom - which do you think?

result

With outstanding results from the RI.SE testing, Mobile Strongroom successfully exceeded Grade 3 in accordance with EN 1143-1:2019 Scheme 5 (ISO/IEC 17067:2013). Grade 3 allows secure storage for cash, explosives, weapons, and ammunition. Mobile Strongroom is certified by SBSC - independent certification body accredited by the state authority Swedac (Swedish National Accreditation Body). SBSC also oversees the quality of both the manufacturing process and the finished product, ensuring the validation of Mobile Strongroom's excellence.

Mobile Strongroom's patented design significantly surpasses conventional security measures. This recognition strengthens its position as a leading innovation globally. The patented design not only offers a unique and unmatched solution throughout the supply chain, but also increases its intellectual property value and protects against unauthorized imitation. Our smart vault solution is poised to redefine global security standards and provide unparalleled protection in a rapidly changing world.

conclusion

Mobile Strongroom signals a new era in cargo security, supply chain transparency, and sustainability. Its ingenious design offers an unrivalled level of global shipping container

security and monitoring, while maintaining full mobility and compatibility. Mobile Strongroom represents a revolutionary solution for storing and transporting valuable cargo for various industries, while simultaneously reducing costs of labour, fuel, and emissions.

Mobile Strongroom represents a true and significant advancement in the ongoing effort to protect global trade and supply chains from criminal activity. Mobile Strongroom is not just a secure container; it's a commitment to drive the shift towards a more secure, transparent, and sustainable transport industry.

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