



MUSC was contracted by the Antwerp Port Authority, which manages the world's 4th largest port to provide a security assessment of the ports 160 facilities and to develop an effective security regime.

### CLIENT REQUIREMENT

Antwerp Port required a security assessment of their Mega-Ports (Insert graphic detailing project size: 14,000 hectares; 110km River Bank, Total quay length 130km, Total railway length 900 km, Total road length 280km)

In addition to assessing and developing security strategy for the 160 Port facilities, Antwerp Ports also took advantage of MUSC's expertise in pipeline security. Over 350kms of pipeline in the area were secured in the project, containing a variety of oil and gas products.

Port facilities assessed:

- Petrochemicals
- Vehicles
- LPG
- Liquid Chemicals
- Cement
- Forest Products
- Coal and Ore
- Perishables
- Ro-Ro

### SOLUTIONS

- Development of project boundaries to accurately scope required work
- Secure and manage the involvement of stakeholder organisations
- Understanding the salient issues related to the infrastructure of different port facilities
- Conducting of a security assessment including a criticality assessment, and development of a risk map
- Adaptation of the existing command and control tool, the Antwerp Port Information and Control System, to create an integrated security response system
- Contingency planning; including drills and exercises

## OUTCOME

MUSC use a harmonised approach to achieve effective and reliable results for clients. At assessment stage this involved identifying common problems across the numerous stakeholders and variety of port facilities.

To ensure the standard of delivery met each stakeholder's requirements MUSC undertook to agree a set of common standards, which included; perimeter fencing, access control and employee checks. MUSC also undertook to secure develop a unified crisis management plan for the Port to ensure a co-ordinated response in the event of a disaster.

By adapting the APICS system to incorporate the newly created security response system, MUSC were able to deliver a cost-effective solution to Antwerp Ports. MUSC also endeavoured were possible to facilitate the sharing of security resources.



**Maritime & Underwater  
Security Consultants Ltd**  
6 Bell Yard  
LONDON  
WC2A 2JR

t: +44 (0) 207 067 2930  
f: +44 (0) 207 067 2940  
e: [enquiries@mandusc.com](mailto:enquiries@mandusc.com)  
[www.mandusc.com](http://www.mandusc.com)

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