

International organization



The North Atlantic Treaty Organisation is an intergovernmental military alliance of 28 European and 2 North American countries. The organisation implements the North Atlantic Treaty which was signed on 4 April 1949.

NATO is a system of collective security, whereby its independent member states agree to defend each other in the event of an attack by an outside party. NATO's headquarters are located in Brussels, Belgium, while the headquarters of the Supreme Headquarters Allied Powers Europe (SHAPE) is located near Mons, Belgium, it is the Allied Command Operations (ACO) headquarter.

The challenge

During the construction of the new NATO headquarters as well as the renovation of the SHAPE buildings in Chièvres, the objective was similar: the fireproofing and/or burglar-proofing of various buildings: administrative, sensitive, schools, training rooms, universities or technical premises (high or medium voltage, data centre, etc.). In some cases, it was necessary to find correspondences between American and European standards.

The Heinen solution

The doors offered cover fire performance from EI1-30 to EI1-120 according to EN1634-1, and burglary resistance from RC3 to RC5 according to EN1627-1630. Acoustic combination is also frequently required for sensitive premises. The doors are generally controlled via an electric/motorised lock, a position contact (open/closed), a safety bolt closing contact, a door status contact and a seismic sensor.

Dimensional requirements up to large dimensions (+/-3m) also had to be met.

Year of cooperation

For over 20 years