



## Security Guardhouse – Testing impact and blast resistance

A model guardhouse has been constructed in order to conduct the testing of various security constructions. The wall panels are designed as sandwich structures. Additionally one door and one window have been installed to test all essential parts of a whole security system.



The system has been designed to meet the following security demands:

- Explosive impact and blast resistance (Detonation on impact, close and long range)
- Bullet resistance up to FB7-NS (EN 1522/1523)
- Fire protection up to F90
- Forced entry up to RC 6 (EN 1627)

This specific test was meant to meet the requirement of explosive impact and blast resistance. All single security units were successfully tested respectively for detonation on both impact and close and long range with the former representing the most demanding challenge.

As a result it can be concluded that all of the above mentioned requirements can be met by our constructions for any combination of security levels desired.





## **Security guardhouse – exemplary fields of application**

The tested and finally certified security constructions can be customised and combined according to the clients' demands and needs.

The security guardhouse is designed and completely pre-manufactured in our facility including the interior fitting allowing for a quick commissioning. It is simply picked up, transported and loaded off on site with only the media supply (water, sewage, electricity) to be connected.



Manufacturing and interior finishing



Transport and preparing installation



Off loading and installation on site



Mounted guardhouse



Interior fittings completely pre-manufactured off site





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Preparation of the pre-constructed concrete base



Off-loading and installation on site



Assembly of the sandwich panels on site





Architectural and exterior design:

The design of windows, doors and facade as well as the roof shape can be customised according to local conditions and special demands of the client.

For further information please ask for our catalogue „Guardhouse“.



**Exemplary references:**

Guardhouse Munich

Guardhouse Libya

