



GEOQUEST

# Military



# Local experience - World expertise



Magazine, Precast Concrete Earth Covered - USA



Battle Creek - Michigan, USA



Fort Lewis - Washington state, USA



Igloo Blast Test - South Korea



Munitions Service Magazines (MSM) / Pueblo Chemical Depot - Colorado, USA



# Your active partner for ammunition storage & blast protection structures

## Proven technologies for military applications

### Collaborate with a trusted and reliable partner for your defence projects

Since 1970 our structures have been used extensively all over the world. Working together with clients, Geoquest offers tailored cost-effective solutions adapted to all type of projects.

Our teams create, design, and supply materials to build safe and operationally efficient structures such as ammunition facilities, blast protection barriers and roads and bridges that meet the needs of the military communities globally.

### Make use of a 60-years-old proven technology

Reinforced Earth® and TechSpan® are proven techniques for building ammunition storage facilities, hardened aircraft shelters and facilities, explosives storehouses, blast barriers and bunkers.

In 1998, the solution was approved by the United States Defense Department as a standard protective structure for ammunitions storage. It has subsequently been installed on numerous military installations.

## Unique features

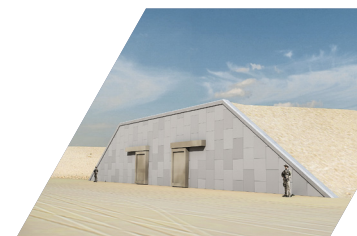
- Ease of installation even in remote areas since construction is rapid and predictable;
- Flexibility, making it possible to build directly upon compressible soils;
- Massive and stable structures with a significant capability to absorb energy;
- Fire-resistant, with minimal dispersed debris in the case of blast or explosions;
- Long service life with minimal maintenance.



Protective walls and shields



Ammunition igloos



# Reinforced Earth® structures for your Military Assets





# We deliver vital infrastructures for your defence projects



Hardened Falcon shelters - Qatar

## Ammunition Storage Facilities

Reinforced Earth® ammunition storage facilities and explosives magazines have been built worldwide. Our structures are fully tested and proven in a series of full-scale explosion and blast tests. They comply with the highest standards.

## Blast Protection Structures

Reinforced Earth® has proven to be a highly stable explosion barrier that impedes the propagation of a blast at ground level and absorbs high levels of energy due to its tolerance for deformation. Moreover, our structures minimise the dispersal of debris during an explosion. Dimensions of the structures can be customised for the asset to be protected.



Blast protection air base - Australia



Fort Carson access road - Colorado, USA

## Bridges and Roadways

Reinforced Earth® structures have become one of the standards for supporting roads, with tens of thousands of structures meeting the requirements and specifications of the world's road authorities. TechSpan® tailored precast concrete arches are a durable system capable of withstanding extreme loads. It can be delivered to remote locations around the world. Reinforced Earth® abutment walls can be designed to accommodate abutment on piles or spread footings. Either systems can be erected in a short window of time with limited or no disruption to traffic flow.

**Engineering expertise,  
innovation and excellence  
in client care to deliver  
sustainable solutions.**



**GEOQUEST**

**[www.geoquest-group.com.au](http://www.geoquest-group.com.au)**

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