

LOCAL
EXPERIENCE
WORLD
EXPERTISE



Magazine, Precast Concrete Earth Covered - USA



AMMUNITION
STORAGE

BLAST
PROTECTION

ROADS &
BRIDGES



Igloo Blast Test - South Korea



Battle Creek - Michigan, USA



Fort Lewis - Washington state, USA



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

A WORLDWIDE NETWORK OF EXPERTS FOR YOUR PROJECTS

Our engineers provide their assistance at every stage of the project:

- + Conception and Feasibility
- + Design
- + Procurement
- + Construction
- + Maintenance
- + Upgrade

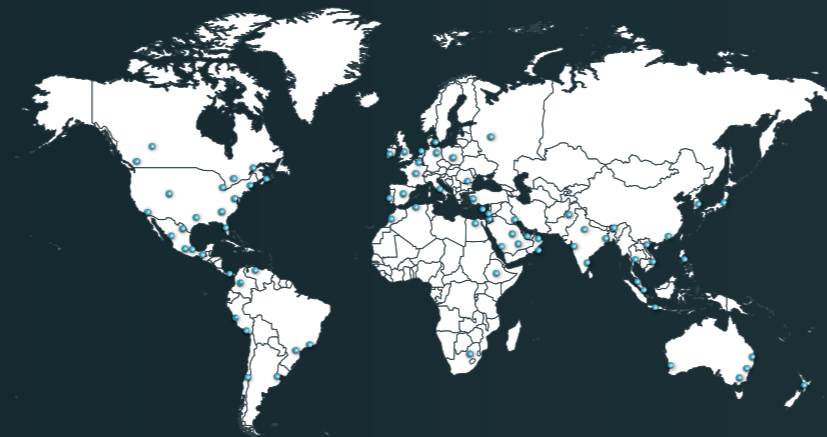
Experience

Reliability

Solution
Provider

Reinforced Earth enables project stakeholders, owners, consulting engineers, architects and contractors, to benefit from the experience collectively accumulated for more than half a century.

Presence in more than 50 countries on 5 continents



MILITARY



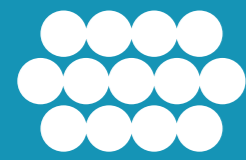
www.terre-armee.com

Follow us on:



Cover photo: Blast tests in South Korea

© 2017 Soletanche Freyssinet - The text, photos and other information contained in this catalogue are the property of the Soletanche Freyssinet Group.
Any reproduction, display or other use without the prior consent of Soletanche Freyssinet is prohibited. - Reinforced Earth®, TechSpan® and TerraLink™ are registered trademarks of Terre Armée Group.
Soletanche Freyssinet promotes the use of paper pulp from sustainably managed forests. The paper used in this catalogue is certified in accordance with the stringent rules of the PEFC (Program for the Endorsement of Forest Certification).
Publication: 05/2017 - Printed in France



REINFORCED EARTH

YOUR ACTIVE PARTNER
FOR AMMUNITION
STORAGE & BLAST
PROTECTION
STRUCTURES

Proven technologies for military applications

COLLABORATE WITH A TRUSTED AND RELIABLE PARTNER FOR YOUR DEFENSE PROJECT

Since 1970 our structures have been used extensively all over the world. Working together with clients, the Terre Armée group 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 50-YEAR-OLD PROVEN TECHNOLOGY

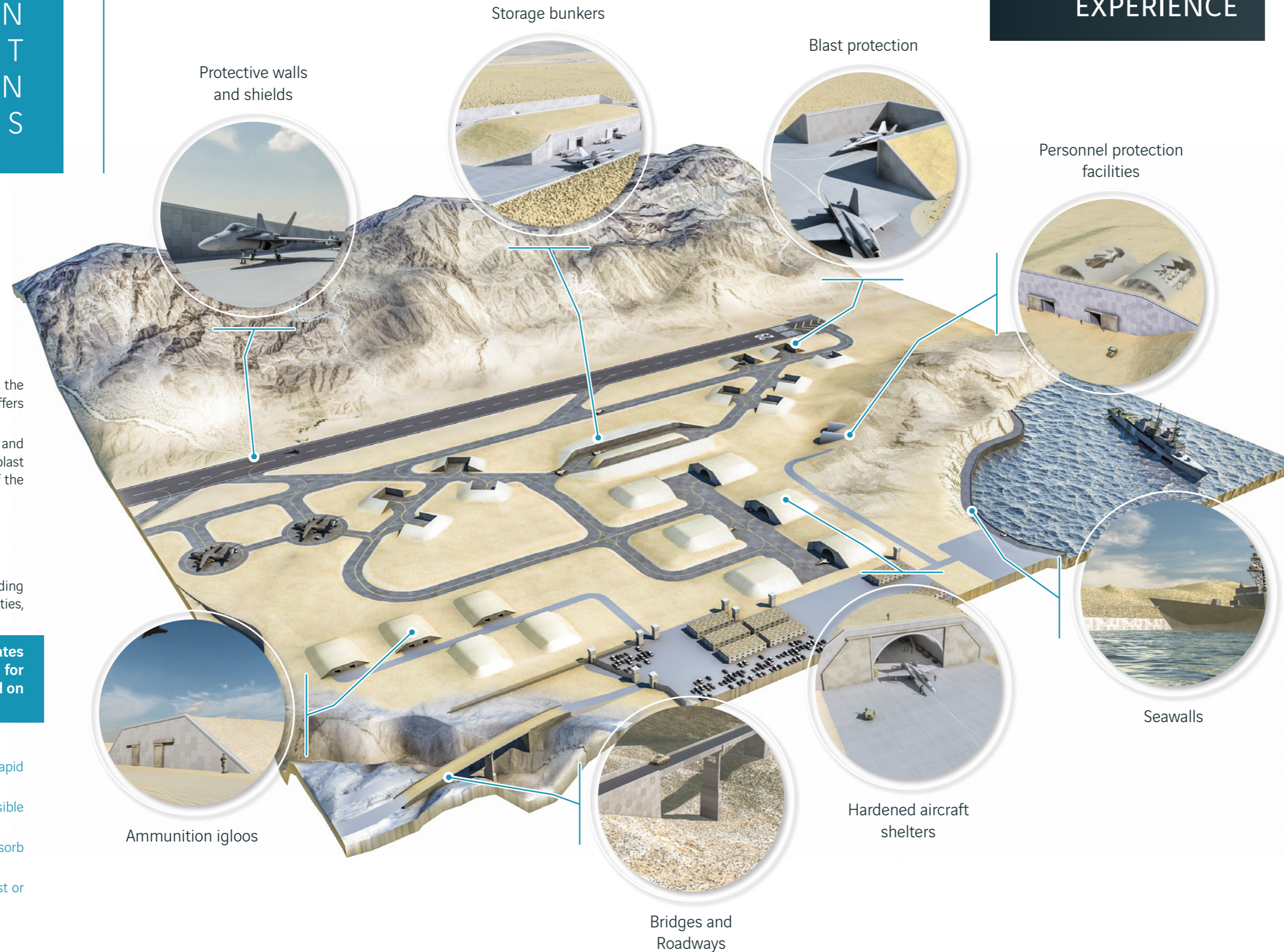
Reinforced Earth® and TechSpan® are proven techniques for building ammunition storage facilities, hardened aircraft shelters and facilities, explosives storehouses, blast barriers and bunkers.

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.

Reinforced Earth® Structures for your Military Assets



OUR VALUES

TRUST
RESPECT
RELIABILITY
EXPERIENCE

We deliver vital infrastructures for your defense project.



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.

Hardened Falcon shelters - Qatar

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 minimize the dispersal of debris during an explosion. Dimensions of the structures can be customized for the asset to be protected.



Blast protection air base - Australia

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.



Fort Carson access road - Colorado, USA