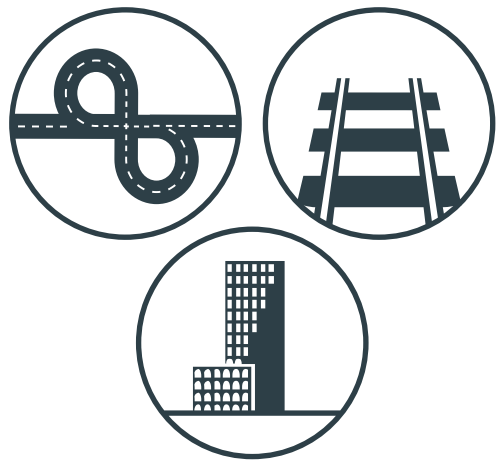
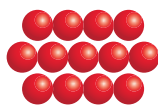


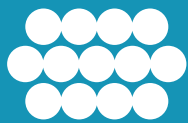


URBAN MOBILITY

Metros, Light Rail & Bus Rapid Transit systems



REINFORCED eARTH
SUSTAINABLE TECHNOLOGY



REINFORCED EARTH

CONSTRUCTIVE SOLUTIONS FOR URBAN MOBILITY PROJECTS

LIMITED LAND USE FOR A BETTER URBAN INTEGRATION

Urban mass transportation projects are made very complex by the lack of available space in cities. In comparison to other techniques, Reinforced Earth® **requires limited footprint** and, as such, makes easier their integration in urban environments.

HIGH TECHNICAL PROPERTIES AND FLEXIBLE GEOMETRY

Reinforced Earth® retaining structures are used in many countries to support high speed and heavy railways. Our techniques simultaneously provide unique key benefits such as **strength, resilience and durability**.

EFFECTIVE AND SAFE CONSTRUCTION METHODOLOGY

The Reinforced Earth®, TechSpan® and TerraLink™ techniques are widely used in public infrastructure projects because they require only a **short construction time** and a **minimum right-of-way** so traffic disruption is considerably reduced.

SUCCESSFUL LANDSCAPING AND ARCHITECTURAL INTEGRATION

Reinforced Earth® offers **limitless aesthetics possibilities**. Around the world, our teams are used to work closely with architects and city planners to design tailored solutions that meet the most exacting architectural and environmental constraints.

The value of e of the worldw in Reinforce

Reinforced Earth® grade separation

Reinforced Earth® Retaining



Rail tunnel under earthen embankments

Bridge Abutment & True Bridge

Experience the wide leader of Soils for your City

Metros, Light Rail & Bus Rapid Transit systems

TerraLink™ Retaining Wall

Reinforced Earth® Retaining Wall supporting Railway

Wall along railway

Reinforced Earth® Platform



TechSpan® Precast Arches

Reinforced Earth® Access Ramps

Abutment

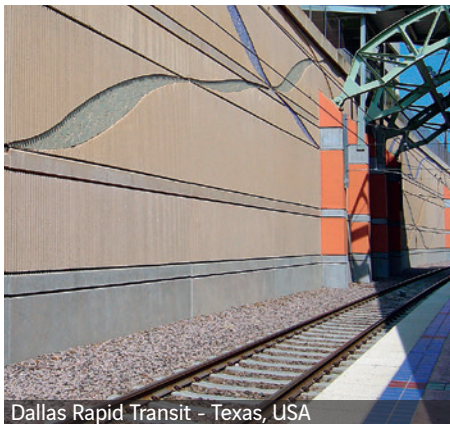
Overpass structure

Precast Underpass or Culvert

LOCAL
EXPERIENCE
WORLD
EXPERTISE



TransOlympica, Bus Rapid Transit – Rio de Janeiro, Brazil



Dallas Rapid Transit – Texas, USA



Gold Coast Rapid Transit – Australia



Eagle P3 – Denver, Colorado, USA



T-REX Project – Denver, Colorado, USA



Tramway line A – Bordeaux, France



Light Rail Transit – Calgary, Canada

In major cities around the world Reinforced Earth
solves urban mobility challenges



Bus Rapid Transit – La Martinique, France



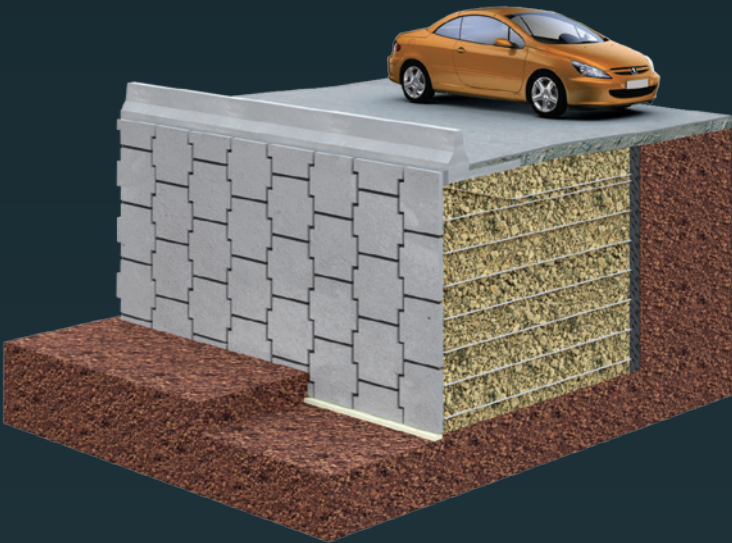
52nd Street – Calgary, Alberta, Canada



Tramway line 3 – Paris, France

TECHNIQUE

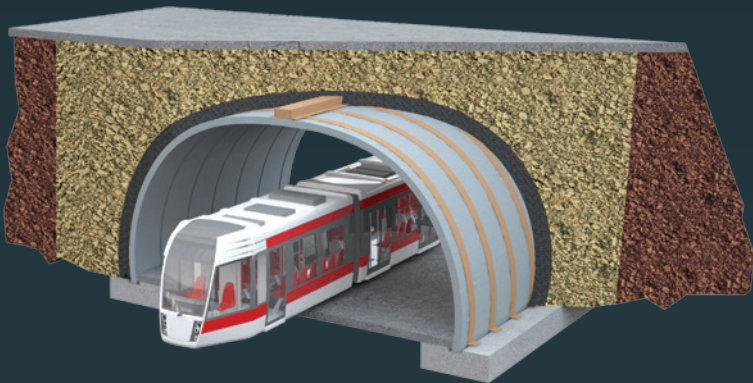
Reinforced Earth®



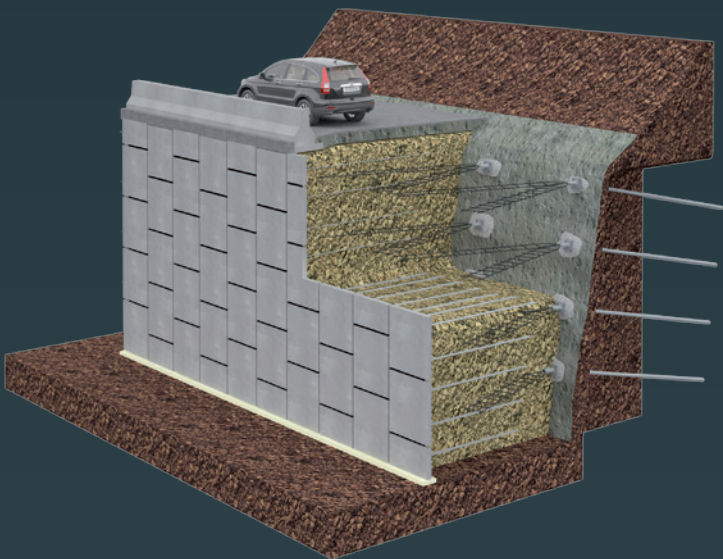
The original Reinforced Earth® technique combines select granular, engineered backfill with steel or synthetic tensile reinforcements and a modular facing system. This ideal combination creates a durable, mass gravity retaining wall.

TechSpan® is a precast concrete arch system associated with an engineered backfill.

TechSpan®



TerraLink™



TerraLink™ allows building new Reinforced Earth type walls connected to retaining structures such as slopes stabilized by nailing or existing retaining wall.

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

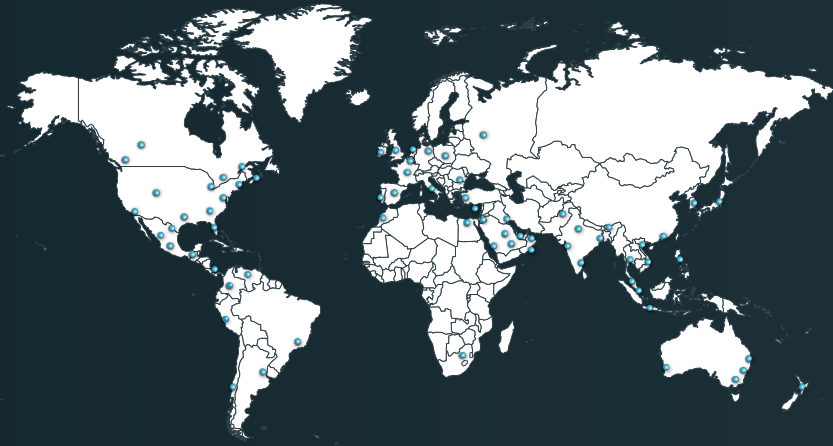
Reinforced Earth enables projects stakeholders, owners, consulting engineers, architects, city planners and main contractors, to benefit from the experience collectively accumulated for more than half a century.

Experience

Reliability

Solution
Provider

Presence in more than 40 countries on 5 continents



www.terre-armee.com

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