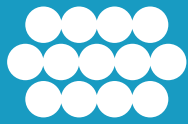


# URBAN MOBILITY

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

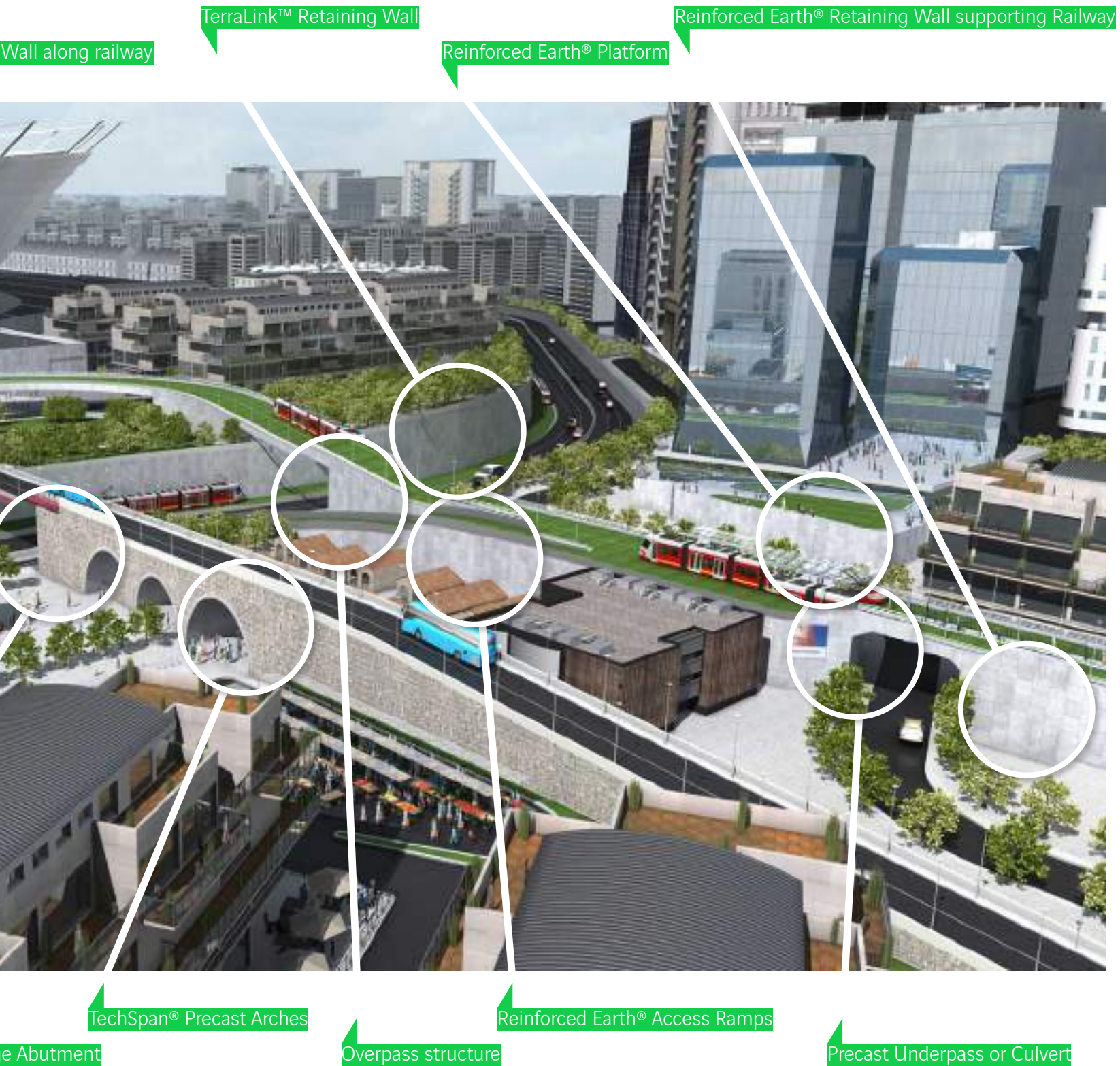


Rail tunnel under earthen embankments

Bridge Abutment & True Bridge

# Experience Worldwide leader in Precast Soils for your City

Metros, Light Rail & Bus Rapid Transit systems



**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

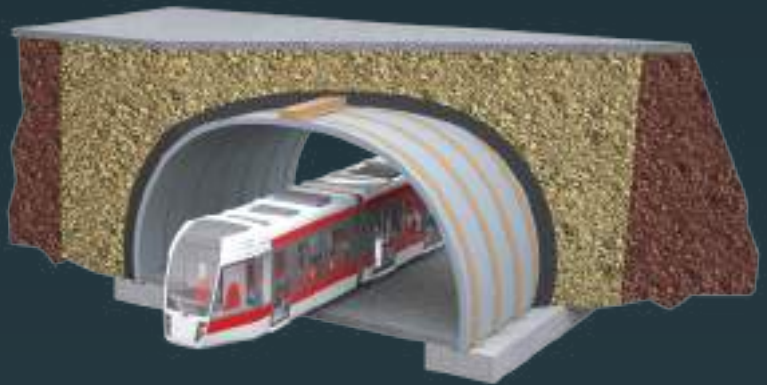
## Reinforced Earth®



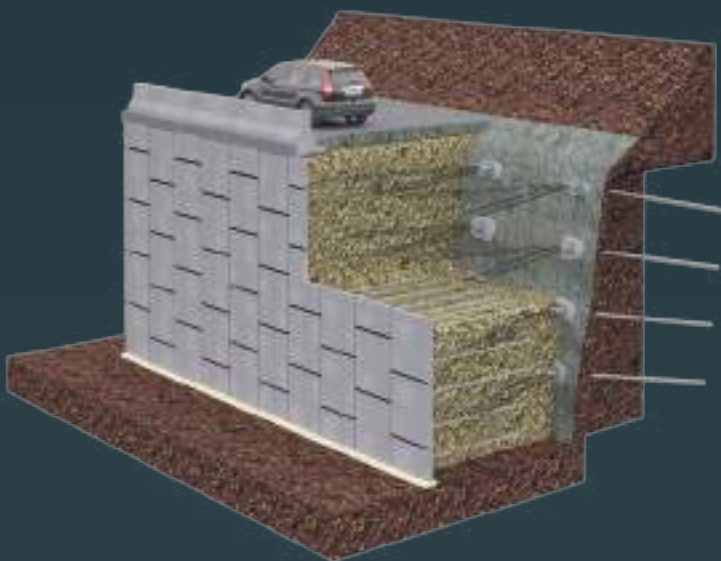
The original Reinforced Earth® technique combines select granular, engineered backfill with steel or synthetic tensile reinforcements and a modular facing system. This ideal combination creates a durable, mass gravity retaining wall.

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.



**REINFORCED eARTH**  
SUSTAINABLE TECHNOLOGY

## 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

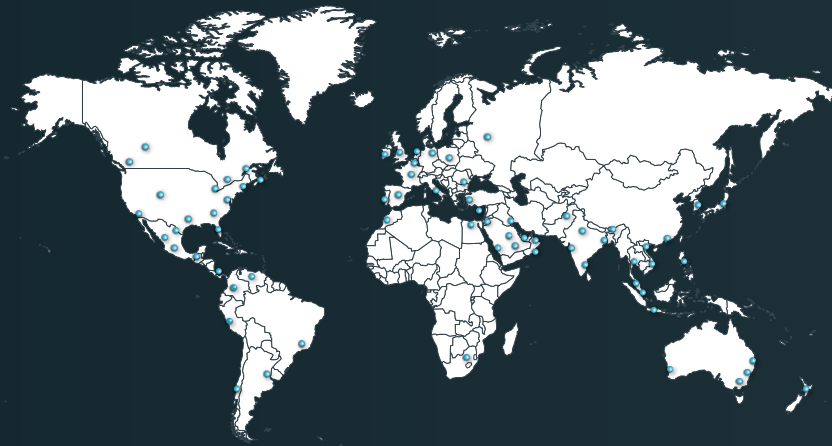
Reinforced Earth enables projects stakeholders, owners, consulting engineers, architects, city planners and main contractors, to benefit from the experience collectively accumulated for more than half a century.

Experience

Reliability

Solution  
Provider

Presence in more than 40 countries on 5 continents



[www.terre-armee.com](http://www.terre-armee.com)

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