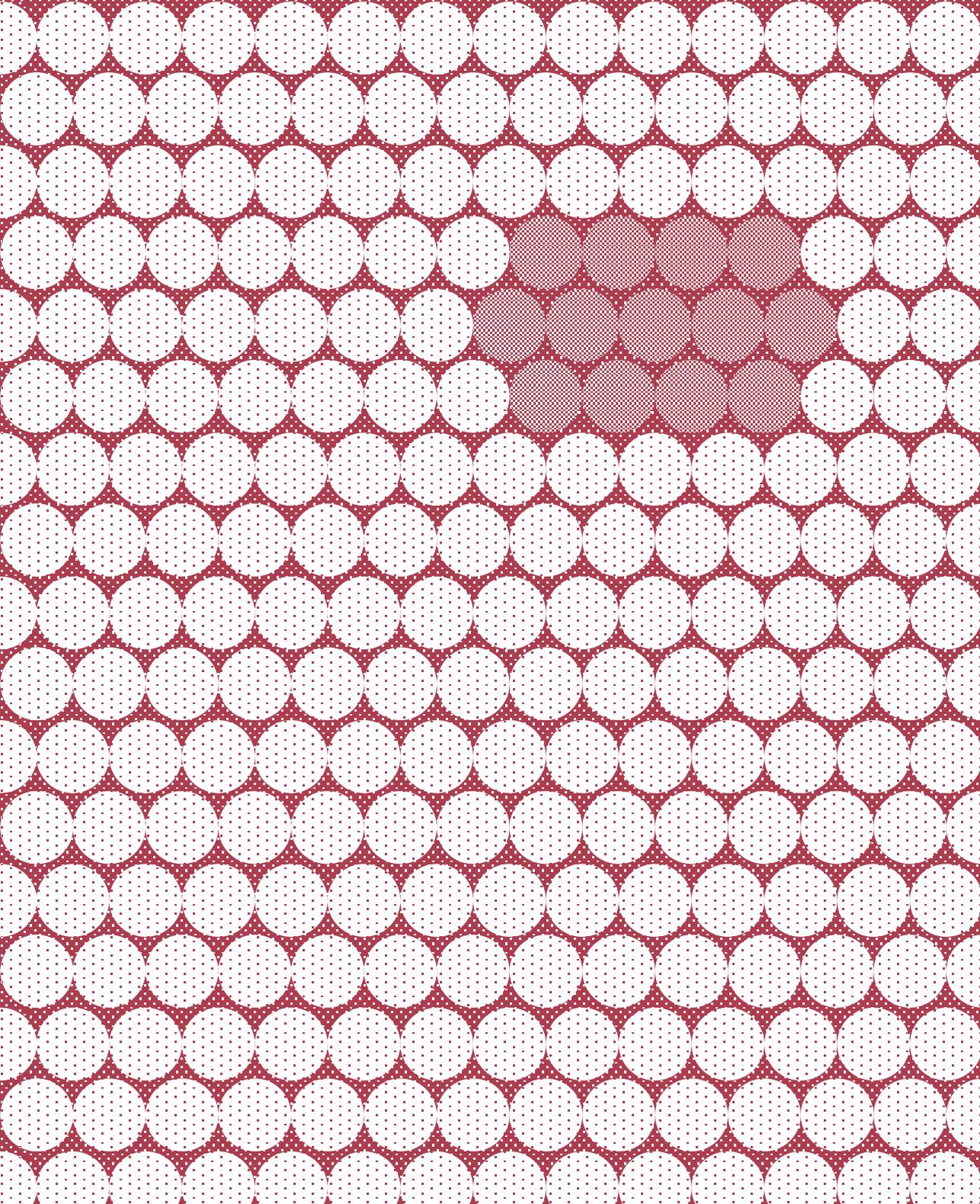


Terre  
Armée

2018





## TERRE ARMÉE

### Devising and developing retaining, access, and protection solutions

The Terre Armée Group, which pioneered ground reinforcement techniques, has unrivalled experience in the field of reinforced backfill and soil-structure interaction. Its techniques are used in a wide variety of applications, including highways, railways, industry, and environmental and water engineering projects.

### Revenue<sup>1</sup>

€201m

### Employees

885

### Order intake

- I-66 Interstate Highway, United States
- Embankment protection on the Jia Bharali River, India
- Port of Valparaiso, Chile
- Ajaokuta-Warri Railway, Overbridges – Nigeria
- Auckland Northern Corridor, New Zealand
- NorthLink WA Highway, Australia

Stampede Dam, United States



1 - Managed revenue

# “Diversifying our activity”

## **Was your business activity satisfactory in 2018?**

In 2018, we booked a record number of orders. We now have an order book amounting to 15 months of work, which is substantial. It includes our largest-ever order, for Interstate 66 in the U.S. state of Virginia.

## **What is the outlook for your markets?**

The world infrastructure market is very promising. We therefore need to branch out from our traditional retaining wall activities. We also need to diversify geographically, since much of our business volume is currently concentrated in the United States. We have therefore structured our organisation in five geographical areas: North America, South America, Oceania, Asia, Europe/Francophone Africa. We also undertook a portfolio review and are building on it to reconsider our presence in a number of countries and invest in new regions.

## **What are your current priorities?**

One of our main strategic priorities is vertical integration. Our goal is to deliver not only engineering, which is our core expertise, but also the materials our customers need to build their structures. To that end we opened four new factories in 2018, three in the United States and one in India. We will continue to increase our production capacity, notably in geosynthetics. This will enable us to boost our operations in our core markets and to tackle new geographies.



United States

# Los Angeles Stadium



In the United States, Terre Armée is taking part in the construction of the Los Angeles Stadium, one of the world's biggest sports venues. The company is supplying and installing more than 35,000 sq. metres of Reinforced Earth® walls, which will act as an internal circular structure for the building and provide earthquake resistance. With its sleek design and transparent roof, this futuristic stadium is the flagship structure of the Hollywood Park project, which will also include a shopping centre, a park, residential units, and a concert hall.

# 35,000

sq. metres of  
Reinforced Earth® walls

## India

# Tindharia

Following an earthquake, a landslide swept away the Siliguri – Darjeeling highway and left a railway line in danger of collapse. Terre Armée won the contract to stabilise the slope and rebuild the road. The solution is based on a TerraLink™ structure and uses the TerraNail® and FreyssilAnchors® techniques, with GeoTrel™ facing panels and GeoStrap®5 steel reinforcements. Rising to a height of 100 metres, it will be one of the world's tallest Reinforced Earth® structures.



[Find out more](#)

**Peru**

# Uchumayo Highway

In Arequipa, one of Peru's largest cities, Terre Armée worked on the Uchumayo motorway, for which it designed and supplied 33,800 sq. metres of precast TechWall® retaining walls and provided technical support during their construction. The technique optimises construction costs and times. TechWall® is a precast retaining wall system combining a full-height facing panel and counterfort into one unit.



# 33,800

sq. metres of precast TechWall®

[Find out more](#)



## France Gourette Highway

In the Pyrenees, Terre Armée rebuilt a collapsed road, using Terre Armée® backfill to a height of 7 metres. The work was completed in record time to accommodate the Tour de France bicycle race.

📺 [Watch the video](#)

## Philippines Mactan Cebu Airport

Terre Armée's teams participated in the construction of the country's most modern airport, building the Philippines' first Reinforced Earth® load-bearing abutment and seven reinforced backfill walls.

🌐 [Find out more](#)



## Senegal Dakar Regional Express Train

Terre Armée designed and supplied formwork for 12 Reinforced Earth® access ramps comprising 18,000 sq. metres of TerraPlus® panels and GeoStrap®5 reinforcing strips.

**Burkina Faso**

# Northern interchange in Ouagadougou

[Find out more](#)

Terre Armée took part in the construction of the Northern interchange in Ouagadougou, installing 12,000 sq. metres of Reinforced Earth® access ramps for four engineering structures. Terre Armée's teams also carried out the engineering calculations and produced the drawings for the project, supplied the formwork, precast inserts, and GeoStrap® synthetic reinforcing strips, and provided technical assistance. Located in the middle of the city, the interchange is designed to ease traffic flow at one of the city's most congested junctions.



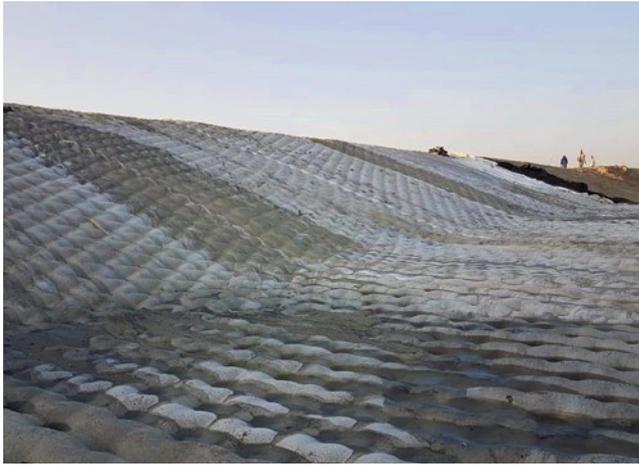
## Australia

# West Gate Tunnel

In Melbourne, Terre Armée supplied reinforced earth walls for the city's major road tunnel. The company produced and supplied more than 11,000 sq. metres of TerraPlus® panels with HAR steel strips to widen the existing motorway. Once completed in 2022, the West Gate Tunnel will serve as an alternative to the West Gate Bridge, providing quicker and safer access to the city centre and the western suburbs.



**11,000**  
sq. metres of  
TerraPlus® panels



**India**  
**Banks of the Jia Bharali River**

Terre Armée employed TechRevetment™ technology to protect the banks and the channel and to contain the course of the river during flooding.

**Uganda**  
**Kampala Northern Bypass Extension**

Terre Armée supplied more than 10,000 sq. metres of TerraClass® walls for the construction of six bridges and their access ramps as part of a network of interchanges currently under construction.



[Find out more](#)



**Venezuela**  
**Cinta Costera seafront**

Terre Armée built 14 walls composed of TerraClass® panels and HA reinforcements as part of the seafront development project.

[Find out more](#)

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**Design and layout:**  
**Abmo**

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