



# Panama Business Day- Hamburg

## BAUER Fundaciones Panamá S.A.

### Opportunities in Infrastructure Development and Public Projects in Panama and beyond

**Hans Schwarzweller**  
**October 2016**



# BAUER Fundaciones Panamá S.A.



10 years in Panama





**Begeistert  
für Fortschritt  
passion for progress**



**Construction**

**Equipment**

**Resources**



# BAUER Group

## The three segments



### Construction

The Construction segment carries out specialist foundation engineering work all over the world as well as providing related construction services.



### Equipment

In its Equipment segment, in which it is the world market leader, Bauer offers an extensive range of machinery, equipment and tools for specialist foundation engineering and furthermore for mining.



### Resources

Resources segment is concentrating on products and services related to water, energy, resources an environment.



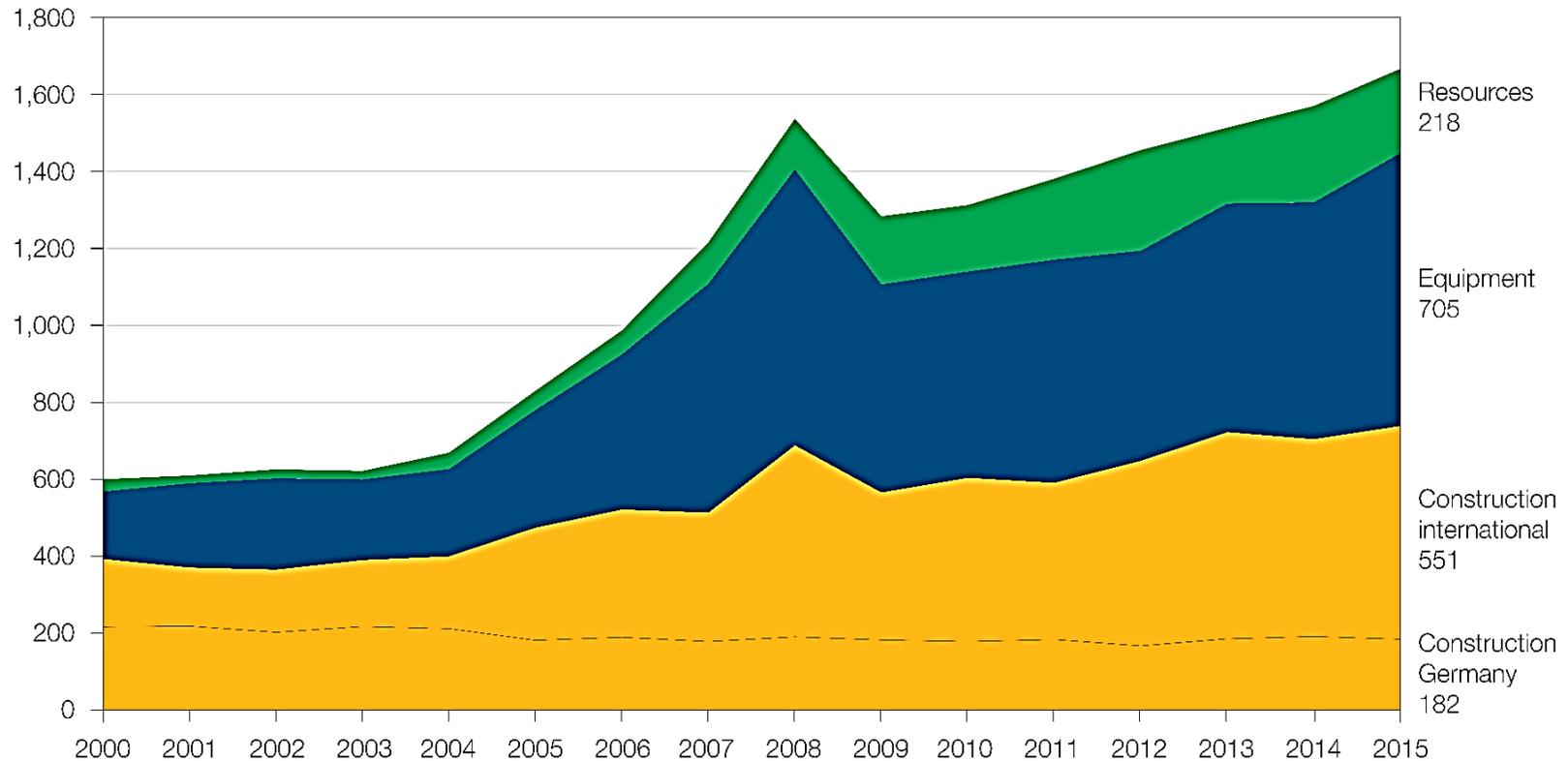


# Development of total group revenues by segment FY 2015



in EUR million (segments after deducting Other/Consolidation)

**Total 1,656**

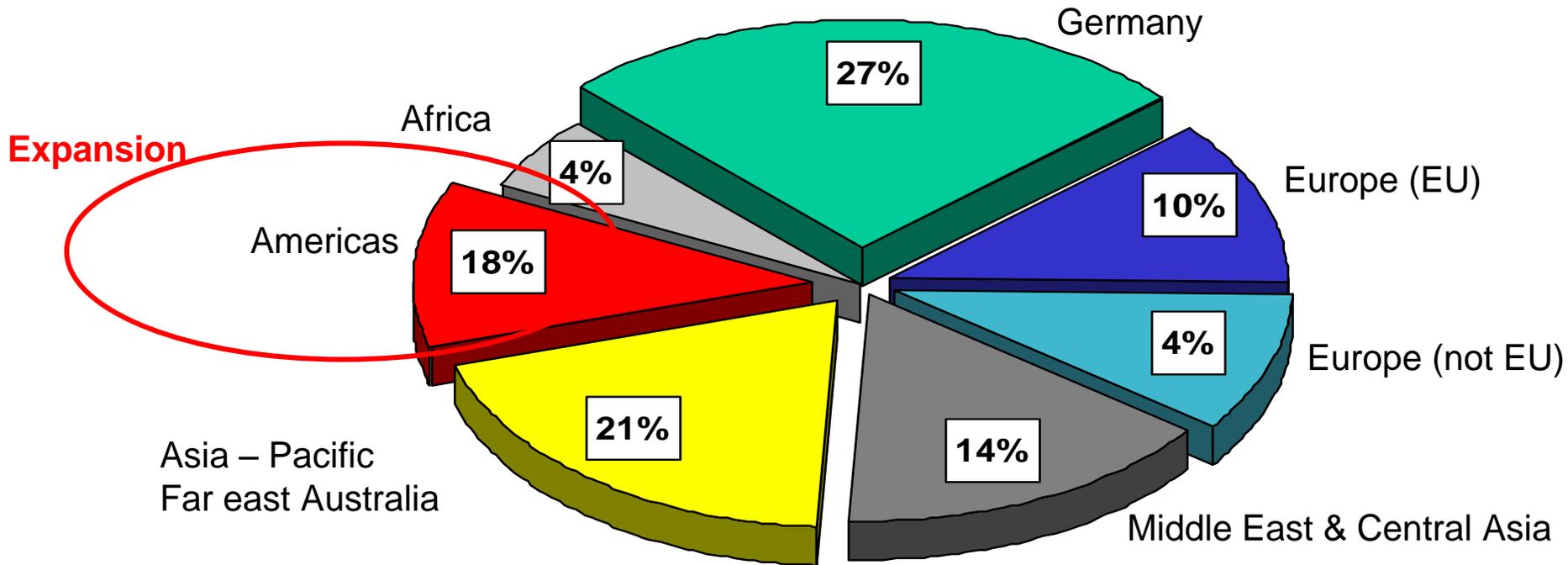




# BAUER AG - Group



Total Group revenues 1,656 EUR million  
geographical breakdown- FY 2015



	in € million	
Germany	474	(29%)
Europa (EU)	162	(10%)
Europa (not EU)	71	(4%)
Middle East & Cental Asia	227	(14%)
Asia-Pac., F-East & Austr.	348	(21%)
Americas	297	(18%)
Africa	77	(4%)



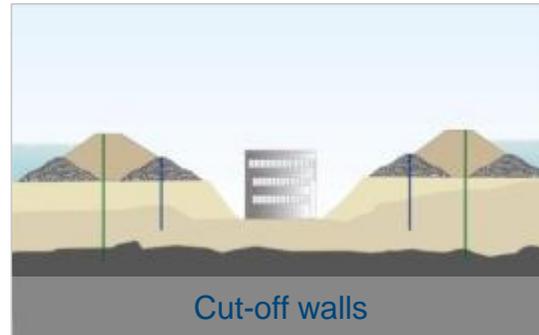
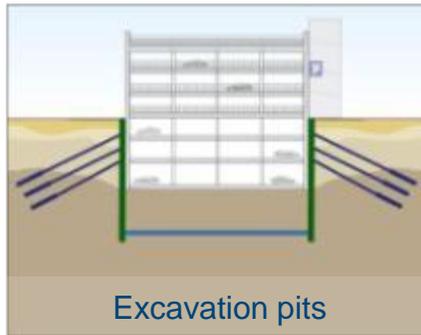
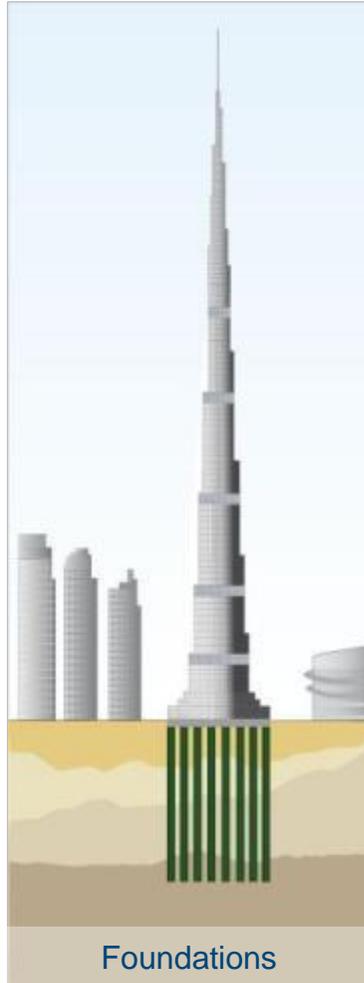
# BAUER Group

## Installations in Schrobenhausen, Germany





# BAUER provider of Construction Services, Equipment & Products dealing with ground + groundwater

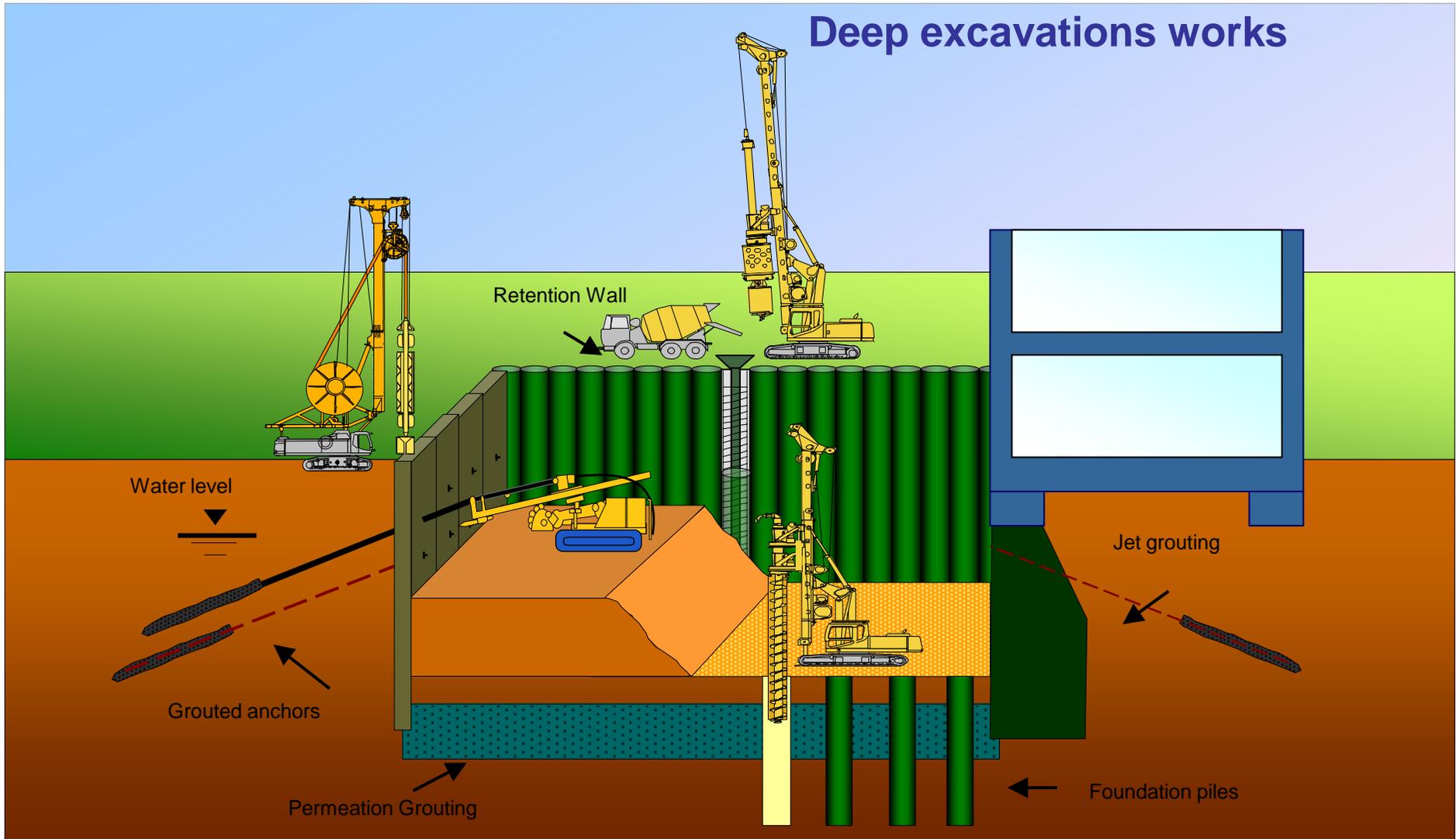




# BAUER Special Foundations Techniques



## Deep excavations works





# Road Infrastructure



# Future Starts with Construction

## A city in change



**Ave. Balboa 2007**



**Ave. Balboa + Cinta Costera 2011**





# Cinta Costera, Panama City





# Panamericana Highway



## AMPLIACIÓN A CUATRO CARRILES

### CARRETERA INTERAMERICANA ENTRE DAVID Y SANTIAGO





# Panama Canal Expansion





# Panama Canal Expansion



## Cartagena Docking Station + Miraflores Cofferdam





# Panama Canal Expansion



**Anchors for retaining structure of new Gamboa docking station**



# Ports



# Colon 2000 Port





# Berth 10- Puerto Cristóbal





# Port of Balboa, Panama City





# Airports



# Tocumen Airport Expansion





# Tocumen Airport Expansion





# Panama Mass Transit System

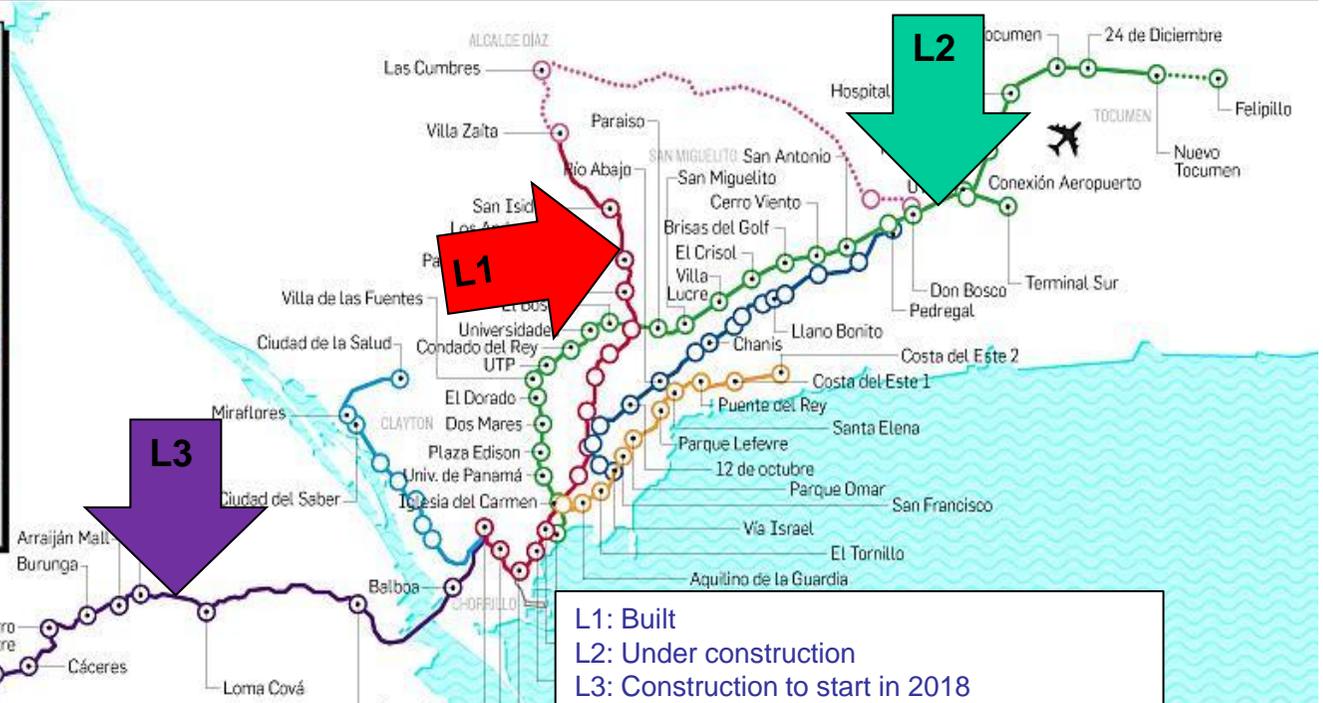


# Panama Metro Master Plan



## Metro de Panamá 2040

<b>LÍNEA 1</b>	Albrook - Villa Zaita
<b>LÍNEA 2</b>	Fase 1 San Miguelito - Nuevo Tocumen Conexión al aeropuerto de Tocumen Fase 2 San Miguelito - Bella Vista (conexión Línea 1 y Línea 5) Fase 3 Nuevo Tocumen - Felipeillo
<b>LÍNEA 3</b>	Fase 1 Albrook - Ciudad del Futuro Fase 2 Ciudad del Futuro - La Chorrera
<b>LÍNEA 4</b>	Pedregal - Punta Pacifica
<b>LÍNEA 5</b>	Costa del Este - Obarrio
<b>LÍNEA 6</b>	Tranvía Albrook - Ciudad de la Salud (conexión Línea 1 y Línea 3)
<b>LÍNEA 7</b>	Tranvía del Casco Antiguo (conexión Línea 1)
<b>LÍNEA 8</b>	Tranvía Don Bosco - Villa Zaita (conexión Línea 1 y Línea 2)



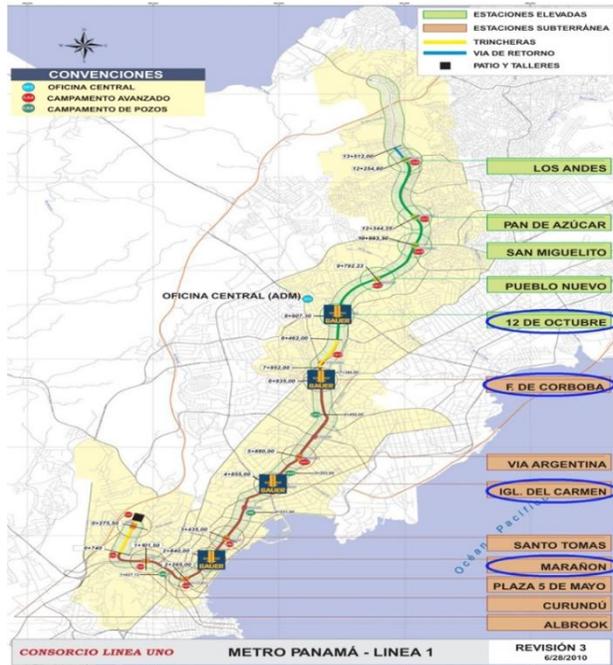
L1: Built  
 L2: Under construction  
 L3: Construction to start in 2018

**NOTA:** Los trazados de las líneas no construidas indican una intención de servicio, sus alineamientos definitivos pueden sufrir modificaciones en las etapas de proyecto y construcción.



# Panama Metro Line 1

## Underground + Elevated mass transit system

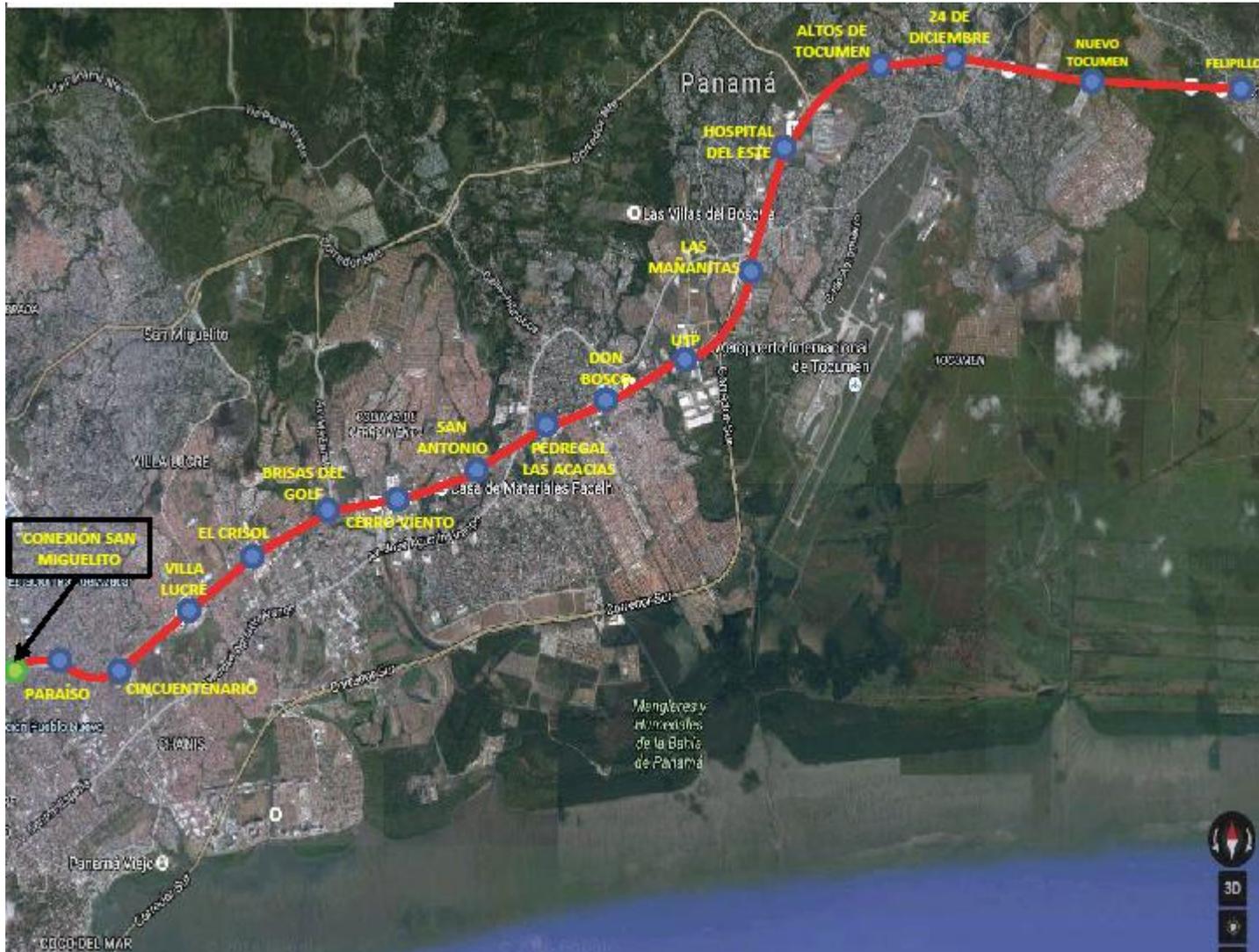


Foundation works for 4 underground stations + various other structures



# Panama Metro Line 2

## Elevated mass transit system





# Panama Metro Line 2

## Elevated mass transit system



**Large diameter foundation piles for elevated Metro line.**



# Upcoming major infrastructure projects in Panama



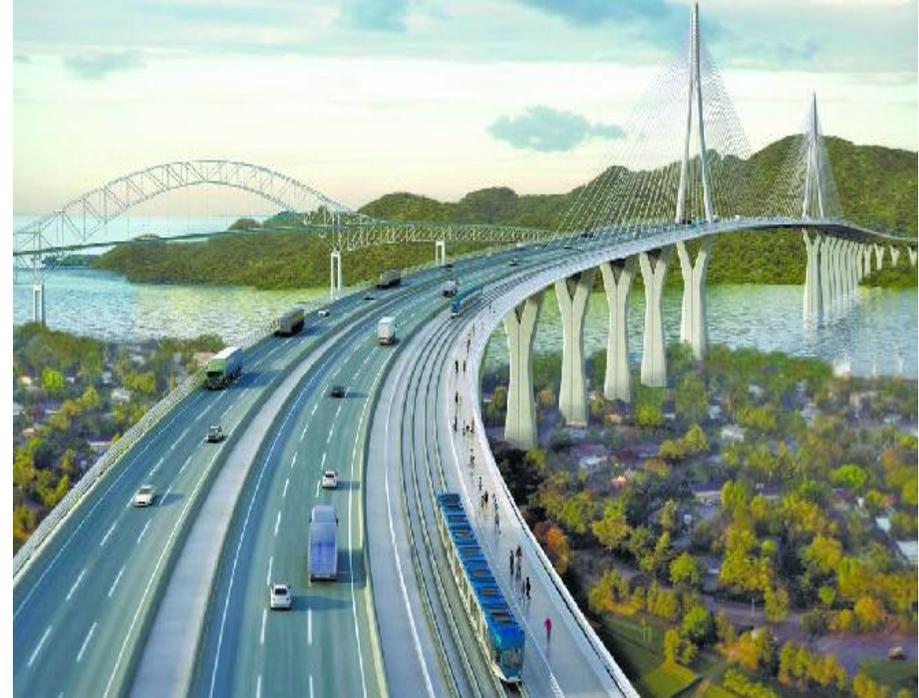
# Panama Metro Line 3



- Monorail type, approx. 26 km extension
- Value: approx. 2,000 million USD
- Bidding planned for 2017



# 4th. Bridge over the Panama Canal



- Combined Road/Rail (Metro L3) Cable Stay Bridge
- Tender process has started
- Value: appr. 1,200 million USD



# Road Widening 4th. Bridge – Arraiján



- Road widening over 10 km from 4 to 8 lanes
- Widening of Panamericana Highway to 8 Lanes
- Bidding planned: end October 2016



# Corozal Container Terminal



- Construction of a new port with container terminal at the Pacific entrance of the Panama Canal
- Value: >500 million USD
- Bidding for port operator planned Feb 2017



# Panama Colon Container Port (PCCP)



- Construction of a new port on the Atlantic side
- Appr. 40 Ha. container stacking area
- Value: approx. 300 millions USD
- Design ongoing. Construction scheduled to start in 2017



# Projects developed in the Region

## BAUER Fundaciones America Latina





# BAUER Fundaciones America Latina

Objective: develop the Latin American market using Panama as a hub to coordinate all activities in the region.



## Panama

Central Office for Latin America, Local Business



## Colombia

Local Business/ eventually Ecuador + Peru



## Dominican Republic

Local Business only



## Costa Rica

Local Business only



# Dominican Republic



## Foundation works for inner-city highways in Santo Domingo



# Dominican Republic



**Foundation piles for the bridges over the River Chavon as part of the Autopista Coral**



# Dominican Republic



## Punta Catalina Power Plant

- Construction of a new 720MW coal fired power plant
- Total Value: approx. 1,940 million USD
- Construction ongoing since 2014
- All soil improvement and foundation works done by BAUER



# Ecuador Dam San Vicente



## Cut-off wall for dam rehabilitation



# Ecuador - Project Daule Vince



**Major irrigation project in Guayas province of Ecuador**



# Costa Rica

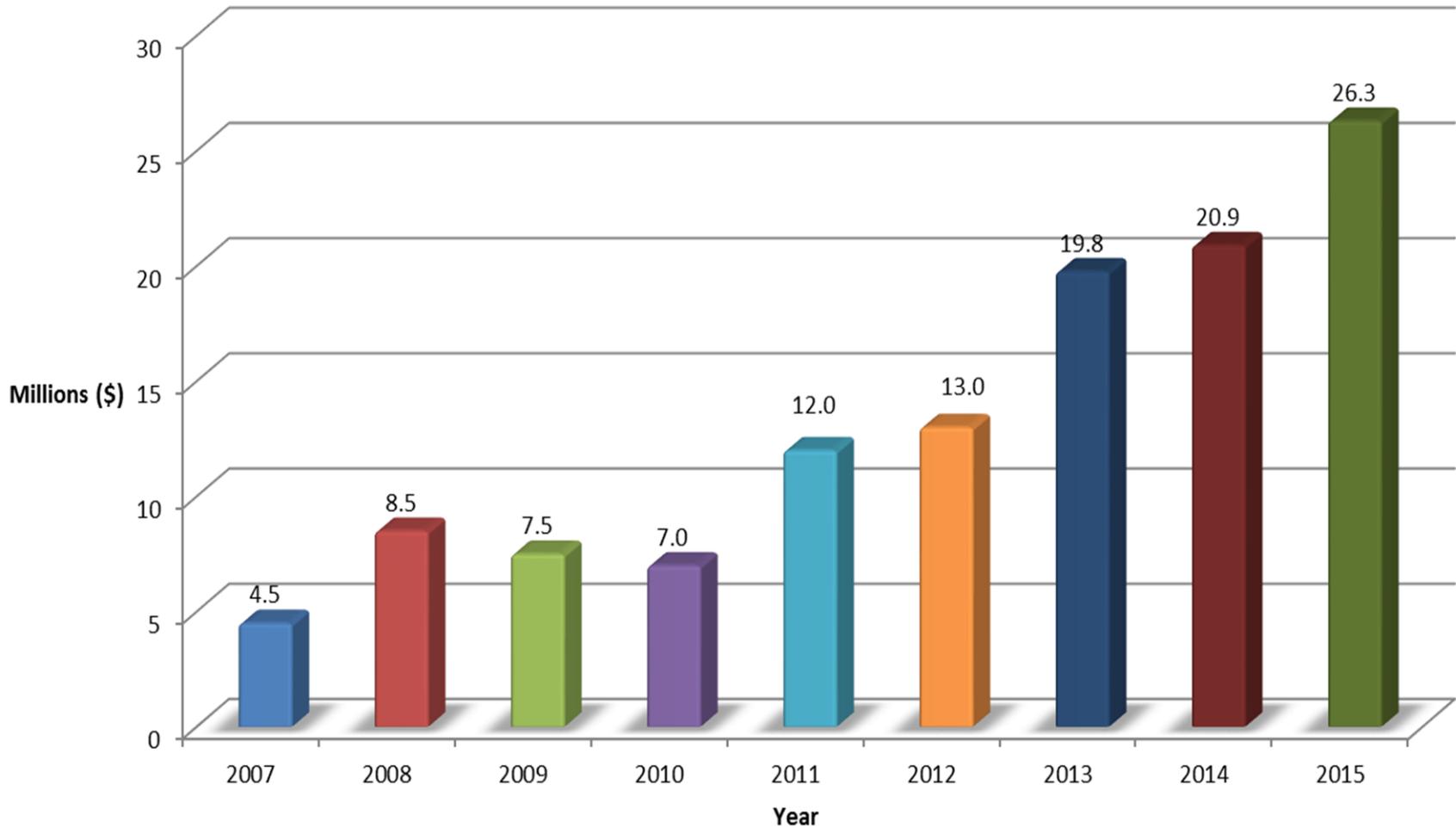


- Construction of a new port on an artificial Island in the Atlantic side
- with 40 Ha. container stacking area
- Value: approx. 450 million USD (Phase I)
- BAUER executing all soil improvement works



# BAUER Fundaciones America Latina

## Turn-Over Development





# **BAUER Fundaciones America Latina**

## **Turn-Over Development**



**Was it the right choice to use Panama  
as the hub for BAUER in the region?**

**2006 - 1 employee**

**2016 – 330 employees mostly from the region**

**Judge yourself**



# BAUER Fundaciones America Latina

