The freedom to get around, to learn, to to live where I want, to choose, to think, to travel, to under the world, to daydr

حرية التنقل، التعلم، العمل، العيش أينما أريد، حرية الاختيار، التفكير، السفر، استكشاف العالم، الاستراحة...
Libertad de desplazarse, de aprender, de trabajar, de vivir donde quiero, de escoger, de pensar, de viajar, de comprender el mundo, de no hacer nada...

work

Liberté de se déplacer, d'apprendre, de travailler, de vivre où je veux, de choisir, de penser, de voyager, de comprendre le monde, de ne rien faire...

stand

earn...

Liberdade de deslocarse, aprender, trabalhar, morar onde eu quero, escolher, pensar, viajar, entender o mundo, não fazer nada...

स्वतंत्रताबढ़नेकी, सिखनेकी,
कामकरनेकी, जीनेकीज़हामेंचाहू,
चयनकरनेकी, सोचनेकी,
यात्राकरनेकी, दुनियाकोसमझनेकी,
कुछभीनकरनेकी…

СВОБОДА ДВИГАТЬСЯ, УЧИТЬСЯ,
РАБОТАТЬ И ЖИТЬ ГДЕ Я ХОЧУ,
ИМЕТЬ ВЫБОР ДУМАТЬ,
ПУТЕШЕСТВОВАТЬ, ПОНИМАТЬ МИР
**Excellence**

Our projects and reputation are developed on the basis of total reliability. We improve every day by maintaining our standards and adopting a rigorous approach.

**Team Spirit**

We believe in team spirit and that we can succeed better by working together. It gives us tremendous strength and the ability to tackle major challenges and take the long-term view.

**Listening Skills**

We always listen to and maintain an active dialogue with our clients. The idea of providing a service helps us to develop new and pertinent solutions.

**Enthusiasm**

We build our future on the pride and confidence we have in the enormous talent of our teams. And that is how we make our clients’ dreams come true.

**Commitment**

Everyone at every level of the Group shares the same commitment and ethical approach and so has an equal claim to be part of our success.

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**NORTH AMERICA**

- **Number of employees**: 220
- **Revenues**: 8%

**LATIN AMERICA**

- **Number of employees**: 70
- **Revenues**: 3%
GROUP WORLDWIDE

FRANCE
2,400 employees
Revenues 45%

NORTHERN EUROPE
470 employees
Revenues 8%

ASIA-PACIFIC
1,520 employees
Revenues 13%

AFRICA
10 employees
Revenues 1%

MIDDLE EAST
500 employees
Revenues 18%

SOUTHERN EUROPE & MEDITERRANEAN
210 employees
Revenues 4%

5,400 employees
€623 million revenues in 2015
Nearly 60 years of experience and innovation

100% mass transit and rail

We focus on our core business.

€623 million revenues
Growth of 53% since 2012

€1 billion on our order book

21 months of order backlog for a second consecutive year
5,400 employees
in 80 countries and growing

We have grown by 50% since 2012.

50 million people travel
every day thanks to SYSTRA’s expertise

Bon voyage with SYSTRA.
**key achievements**

**build**

**Chacao Bridge**
SYSTRA is connecting the island of Chiloe to the Chilean mainland with South America’s longest suspension bridge.

**Tours-Bordeaux**
**HSR – South Europe Atlantic**
SYSTRA is building the high-speed line that will reduce journey times between Paris and Bordeaux by over an hour.

**develop**

**Grand Paris Express Metro**
SYSTRA will provide consultancy services and technical assistance for three new Metro lines (15, 16, 17), as well as project management for Section 2 of Line 15.

**India**
**Metro**
SYSTRA conquers 3 major metro contracts: Ahmedabad, Chanmai and Calcutta.

**Sydney**
**Metro**
SYSTRA is assisting on Australia’s biggest mass-transit project, a 23km line linking Sydney’s northwestern suburbs.

**Ethiopia**
**Railway line**
SYSTRA is managing the construction of a 400km rail line connecting Awash and Weldiya.

**connect**

**Dubai**
**Tramway**
SYSTRA managed the construction of Dubai’s high-tech 9.5km tramway, the first in the world to be entirely catenary free.

**France**
**Metro**
SYSTRA was awarded a contract to upgrade the trains on the Lyon network and a contract to oversee the extension of Lyon Metro Line B.
MOSCOW-KAZAN
SYSTRA and SNCF INTERNATIONAL
contract for the first Russian high speed railway line between Moscow and Kazan.

LONDON
Crossrail
SYSTRA is helping Europe’s biggest construction project to stay on track.

DAKAR
Light-rail transit
SYSTRA has been commissioned to build a new railway linking the airport to downtown Dakar.

SERVE

DUBAI
Metro extension
SYSTRA is extending Dubai’s metro system to be ready for the opening of Dubai Expo 2020.

DOHA
Metro
SYSTRA is building a metro and rail system that will transport football fans at the 2022 World Cup.

MEDINA
Metro
SYSTRA is in charge of planning the city’s future 94km metro system.

JEDDAH
Mass-transit master plan
SYSTRA is putting together a mass-transit master plan for Saudi Arabia’s second city.

NEW YORK
Metro
SYSTRA is applying its expertise in modern signalling systems to the world’s largest subway system.

OUARGLA
Tramway
SYSTRA is overseeing the construction of a tramway in Algeria, at the gateway to the Sahara.

HANOI
Metro
SYSTRA is building the Vietnamese capital’s first metro.

EGYPT
Tunnel
SYSTRA was intrusted with the design and construction supervision of three tunnels under the Suez Canal accelerating the development of Sinai Peninsula.
THE WORLD’S BIGGEST ENGINEERING NETWORK DEDICATED TO RAIL

SYSTRA expanded its global network bringing the company’s all-round expertise and locally adapted solutions ever closer to our clients and their real needs.

“The network of production centres guarantees SYSTRA quality everywhere in the world.”

Joseph Bonsignore, executive vice president, chief engineer, USA

“Located close to projects, each production centre knows its customers, the local culture and the main issues in its local market.”

Saïd Benayache, regional production centre director, Algeria
All of our production centres have the responsibility of bringing production expertise to their own regions while working for the whole SYSTRA Group."

Anand Pandey,
director infrastructure and head structures, Delhi
Dubai Metro Extension and Tramway

WE OPENED DUBAI’S HIGH-TECH TRAMWAY AND BEGAN WORK ON EXTENDING ITS METRO NETWORK.

Inaugurated in November 2014, the Dubai Tram marked a number of firsts: the first tram in the world to be entirely catenary free; the first turnkey tram project in the Middle East; and the first tram system designed for extreme weather.

In order to be ready for World Expo that Dubai will be hosting in 2020, the Red Line of the Emirate’s metro network is being extended to the Expo site.

Four of the fourteen kilometer extension and two of the seven stations will be underground.

After managing and commissioning Dubai Metro Red and Green Lines, SYSTRA has developed the Preliminary Design and Tender Documents for the extension, and will be providing Project and Construction Management Services.

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**Tramway**
- 9.5km long, 11 stations,
- Average speed: 20kmph
- Maximum speed: 50kmph
- Capacity in each tramcar: 350 passengers

**Metro Extension**
- Automatic metro, 14km long,
- 7 new stations, including one designed for and integrated into the Expo site

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Marc Seffacene
Middle-East technical director
Doha Metro

WE ARE PLACING OUR EXPERIENCE OF AUTOMATED METROS AT THE SERVICE OF DOHA.

The initial phase of Doha’s first metro system, which will open in time to transport football fans to matches at the 2022 World Cup, is being designed so that it can be integrated into a 200km urban and interurban system. This will then serve as the backbone of the country’s rail network.

3 lines
37 stations
86km, of which circa 69km in tunnel

“Qatar is a young country with a vision and the metro is a huge project. It will certainly become a global reference in terms of public transport and SYSTRA is the conductor turning the ambitious plan into a reality by 2020.”

Philippe Blancho, country manager and project director
Medina Metro

WE ARE PUTTING TOGETHER A MASTER PLAN FOR MEDINA’S BRAND-NEW METRO SYSTEM.

After SYSTRA’s experience on Mecca’s metro and Jeddah Public Transport Program, we recently began to work on another major contract in Saudi Arabia. Medina, a pilgrimage city with a rapidly increasing population of 1.1 million, commissioned SYSTRA to undertake planning studies and preliminary designs, and prepare tender documents for its new metro system within a year.

The 3 metro lines will be taken by millions of pilgrims visiting this holy site. This has created extremely specific constraints for the design, such as extreme peaks of traffic and crowd movements.”

Thomas Paineau,
Saudi Arabia director
Jeddah Master Plan

WE ARE CREATING A MASTER PLAN FOR AN ENTIRELY NEW PUBLIC-TRANSPORT SYSTEM FOR SAUDI ARABIA’S SECOND CITY.

Jeddah, where 90% of journeys are currently made by car, needs a strategy to keep it moving. In July 2014 SYSTRA was commissioned to produce a transport master plan that took a holistic look at the fast-growing city’s mobility needs. SYSTRA is to consider how the city can integrate the different sectors of its future transport infrastructure, including three new metro lines, a tramline, a commuter rail line, a bus network, and a new bridge, into one interconnected mobility plan. Preliminary Design and Tender Documents will be prepared for all the components of the Public Transport Program.

Metro: 3 lines, 152km, 53 stations

Tram: 48km, 46 stations

Commuter rail: 93km, 7 stations

Bus network: 840km, 3,300 stops

To meet this challenge the SYSTRA team has had to show an unrivalled capacity to integrate, coordinate and manage its wide knowledge of different methods of transport.

Laurent Gougam, programme design manager
New York Subway

WE ARE BRINGING OUR EXPERTISE IN MODERN SIGNALLING TO THE WORLD'S BIGGEST SUBWAY.

As part of its ongoing modernization programme, the New York City subway is upgrading its fixed-block, wayside signalling to the latest generation, safer and smoother Communications Based Train Control (CBTC) system. SYSTRA is supporting the installation of CBTC on the Queens Boulevard Line between Union Turnpike in Queens and 50th Street station in Manhattan, which will raise capacity and so help to ensure more trains and fewer delays for some of the system’s 5.6 million daily passengers.

4 tracks
(2 local, 2 express)
over 17km

309 trains
of 4-5 cars
to equip

4 lines
improved by work

"As an integrator, SYSTRA brings all its experience to the roll-out of interoperable CBTC on this section of New York's huge network, allowing us to deal with worries about the age of the network and capacity growth."

Philippe Cazaux, CBTC technical lead
North West Rail Link

WE ARE WORKING ON AUSTRALIA’S LARGEST PUBLIC-TRANSPORT INFRASTRUCTURE PROJECT.

When completed in 2019, the AU$8.3 billion North West Rail Link will be Australia’s first fully automated mass-transit system. SYSTRA is providing Transport for NSW with technical consulting on the project, overseeing operations, trains and systems.

23km of new track and 8 new stations

13km of track upgrades and 5 station upgrades

20 new trains

This brand-new line will serve a fast-growing neighbourhood. It will link a business centre and the inhabitants of this area of mass housing and single dwellings to the centre of Sydney, and eventually to the entire transport network.”

Jean-Michel Rubio Nevado, rail systems discipline leader
Line 14 Extension and Grand Paris Express

WE ARE HELPING TO EXTEND THE NETWORK OF AUTOMATED METROS IN THE GREATER PARIS REGION.

In June 2014 work began on a further extension of Line 14, this time northwards from the Gare Saint-Lazare to the Mairie de Saint-Ouen. SYSTRA has been involved with Line 14 since its creation over 20 years ago and is project manager for the latest stage, which will see the construction of 5.9km-long main tunnel, as well as a maintenance site and tunnel. The new section will eventually connect with the future Line 15, part of Grand Paris Express, a network that by 2030 will include 200km of automated metro lines and 57 new stations knitting together the Greater Paris region and improving transport for the region’s 12 million inhabitants. SYSTRA will act as project manager for sections of line 15 and automated systems for all four lines.

61km
of tunnels

26 stations

220 SYSTRA staff working on project

We are bringing the best of SYSTRA in terms of underground metros to a public-transport project that will serve to improve the lives of Greater Paris residents.

Jean-Luc Piljan,
Grand Paris infrastructure project director
South Europe Atlantic (SEA) HSR Line

WE ARE BRINGING PARIS AND BORDEAUX CLOSER TOGETHER.

When completed, the SEA will reduce the journey time between Paris and Bordeaux to 2 hours and 5 minutes, a reduction of over an hour. The 300km-long line from Tours to Bordeaux will open in July 2017 and bring initial speeds up to 320kmph (rising to 350kmph later).

€7.8 billion budget

3,500 hectares of compensation sites and 200 protected species

8,500 workers on site at peak

SEA’s civil engineering had a successful year in 2014. The last six months saw a good start for the rail-equipment teams, who continued throughout 2015, enabling testing and commissioning work to start in 2016."

Philippe Colinet, SYSTRA project director in charge of operations and worksite-safety management for COSEA
London Crossrail

WE ARE A PROJECT DELIVERY PARTNER ON CROSSRAIL, LONDON’S NEW TRAIN LINK.

With 21km of twin-bore tunnels and 9 brand-new underground stations along its 118km route linking west and east London, Crossrail is currently Europe’s largest engineering project. When finished it will carry 200 million passengers a year and increase London’s rail capacity by 10%. SYSTRA is managing delivery of the £15.9 billion project, primarily by providing expertise in railway systems and operations.

For over seven years SYSTRA has been providing staff in key positions throughout the various Crossrail delivery teams ensuring that the highest standards are met and that construction is right first time, on time, every time.

Howard Crane,
project field engineer
We are building the Vietnamese capital’s first metro line

When completed in 2018, Hanoi’s Line No. 3 metro will feature 8.5km of single-track U-viaduct and 4km of twin-tube tunnels. The full system, scheduled to open in 2030, will have a capacity of 754,000 people a day and greatly contribute to reducing the city’s increasing congestion.

This is an emblematic project with which to celebrate 100 years of Franco-Vietnamese cooperation and to which SYSTRA is proud to bring its experience and savoir-faire.

Pham Hien Hanh, architect

Hanoi Metro

12 stations
12.5km long
8,600 passengers per hour per direction
This project is exceptional because of the extreme weather conditions and position next to the desert. It has pushed the SYSTRA teams to rise to some unique technical challenges. We are extremely proud.”

Michel Aribi,
project director

Ouargla Tramway

WE ARE MANAGING THE CONSTRUCTION OF A TRAMLINE ON THE EDGE OF THE SAHARA DESERT.

When finished the tram system will link the two halves of this city of nearly 200,000 people. The tram’s route will take in 23 stops and 5 hub stops, and have a capacity of 3,450 passengers an hour in each direction.

1 tram every 4 minutes at peak times

12.6km long
Chacao Channel Bridge

WE ARE DESIGNING SOUTH AMERICA’S LONGEST SUSPENSION BRIDGE.

Building the 2,600m-long suspension bridge linking the island of Chiloe to the Chilean mainland is a genuine challenge for the 40 SYSTRA consultants - based in South Korea, India and France - working on the project. They will have to construct two spans of 1,055m and 1,155m, as well as taking into account extremely strong currents in the channel and seismic activity in the region.

"The Chacao suspension bridge is a formidable technical feat. Having recently joined SYSTRA, I was given the chance to head up the studies for the central pillar and foundations."

Bénédicte Pich, production manager