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AT A GLANCE
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SYSTRA

UPDATED OCTOBER 2020

THE SIGNATURE TEAM

A KEY PARTNER OF TOWN AND REGIONAL AUTHORITIES, THE SYSTRA GROUP IS THE SIGNATURE TEAM FOR TRANSPORTATION SOLUTIONS.

Our expertise finds answers to mobility's greatest challenges: access for all to education, employment and leisure. All over the world, our experts advise, dream up and build new mobilities, to help our clients better prepare for the future. Sustainability, reliability and safety are at the heart of the know-how of our engineers, project coordinators and consulting specialists. With SYSTRA, confidence moves the world.

OUR VALUES



EXCELLENCE

Firmly rooted in our engineering culture, excellence is both a goal and a way of working. Our clients are ambitious and demanding. Our commitment to finding the best solutions in the best conditions is a promise of confidence and performance.



CONNECTED TEAMS

We activate our skillsets and coordinate them to solve the most complex problematics. By going beyond cultural and technical differences, we create teams united around a common goal, where each person's talent contributes to everyone's success.



BOLD LEADERSHIP

The projects we assist are profoundly transforming mobility. Through our ability to innovate, we bring clients the new answers and bold leadership needed to achieve. We feel driven today to think, design and imagine the mobility solutions of tomorrow.

OUR KEY FIGURES

2019 IN NUMBERS

7,336
EMPLOYEES WORLDWIDE

OPERATIONAL PRESENCE IN

80 countries

+60 years
OF EXPERIENCE IN TRANSPORT

€631m
TURNOVER

70%
OF TURNOVER FROM INTERNATIONAL MARKETS

ENGINEERING NEWS-RECORD (ENR) INTERNATIONAL RANKINGS*

#4

MASS TRANSIT AND RAIL

#8

BRIDGES

#9

TRANSPORTATION

* 2019 ENR rankings

OUR ACHIEVEMENTS



MORE THAN **50%**
OF THE METRO LINES AND OF THE HIGH SPEED LINES
IN THE WORLD

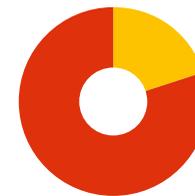


MORE THAN **30**
OF THE CABLE-STAYED
BRIDGES IN THE WORLD



MORE THAN **80%**
OF TRAMWAY PROJECTS
IN FRANCE

TURNOVER SPLIT



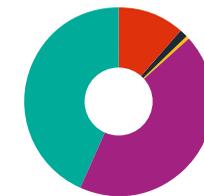
80%

WITH PUBLIC
AUTHORITIES
AND NETWORK
OPERATORS

20%

WITH PRIVATE
COMPANIES

SHAREHOLDER STRUCTURE



43.4%

RATP

43.4%

SNCF

11.4%

BANKS

1.3%

OWN SHARES

0.5%

EMPLOYEES

4.4% Crédit Agricole
3.3% BNP Paribas
2.0% Société Générale
1.7% Natixis

OUR COMMITMENTS

A RESPONSIBLE AND COMMITTED POLICY

Ethics

Maintaining the highest standards of business conduct in strict accordance with laws and agreements and promoting ethical values for all our stakeholders.

Health, safety, security

Leveraging our collective knowledge and expertise to achieve a safer world.

Sustainable development

Acting in favour of sustainable development by reducing our environmental footprint and contributing to attaining the UN's sustainable development goals.



Alignment with the world's top standards

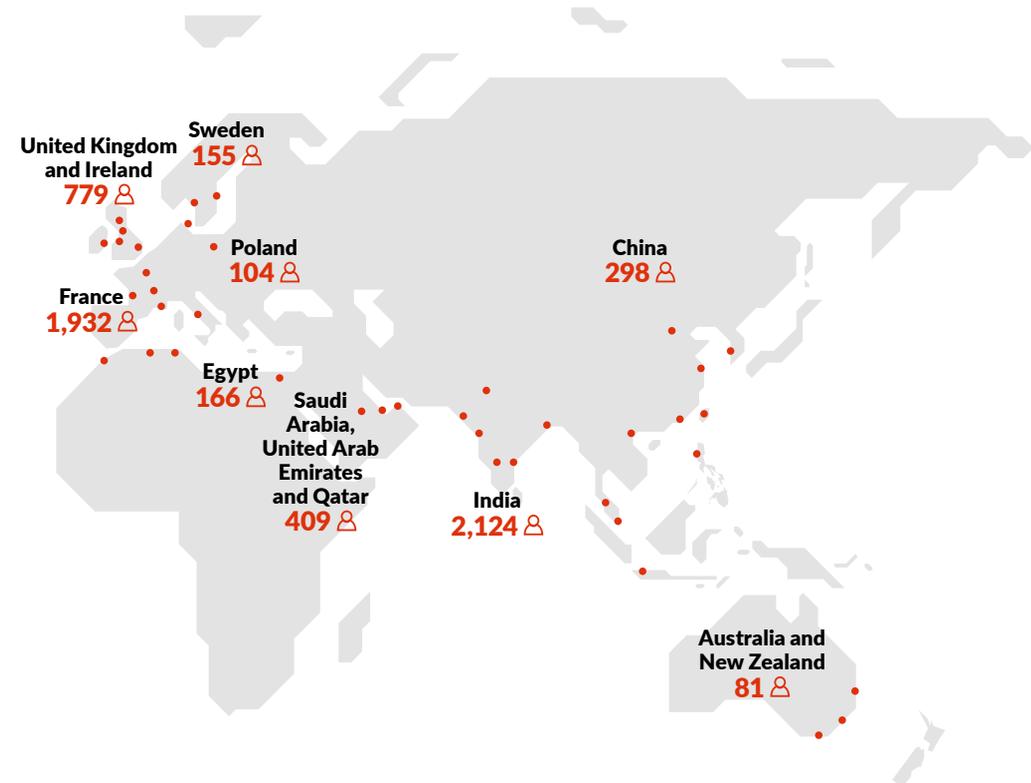
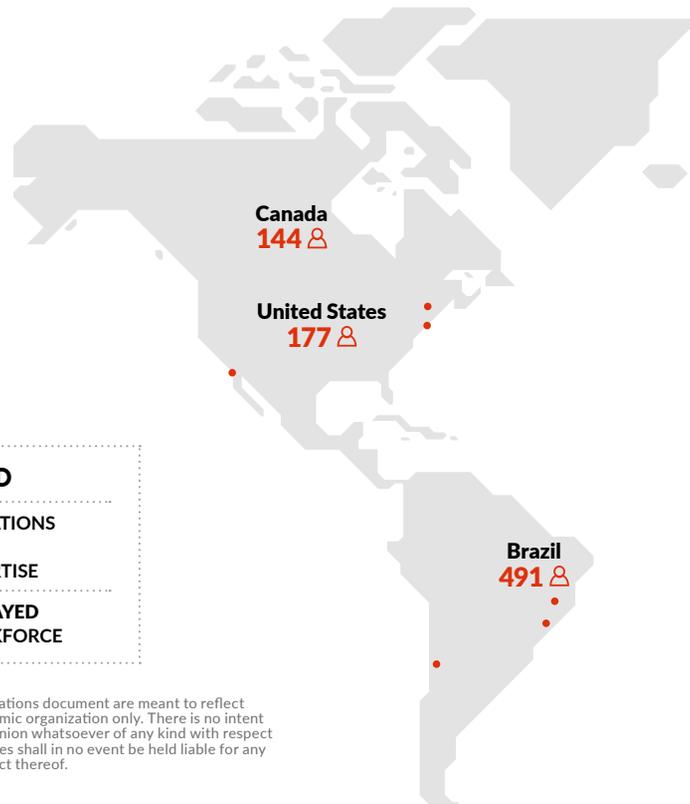


THE COMMITMENT OF SYSTRA'S MEN AND WOMEN

7,336
employees

MAP LEGEND

- MAIN SYSTRA LOCATIONS AND CENTRES OF EXPERTISE
- COUNTRIES DISPLAYED TOP 12 SYSTRA WORKFORCE

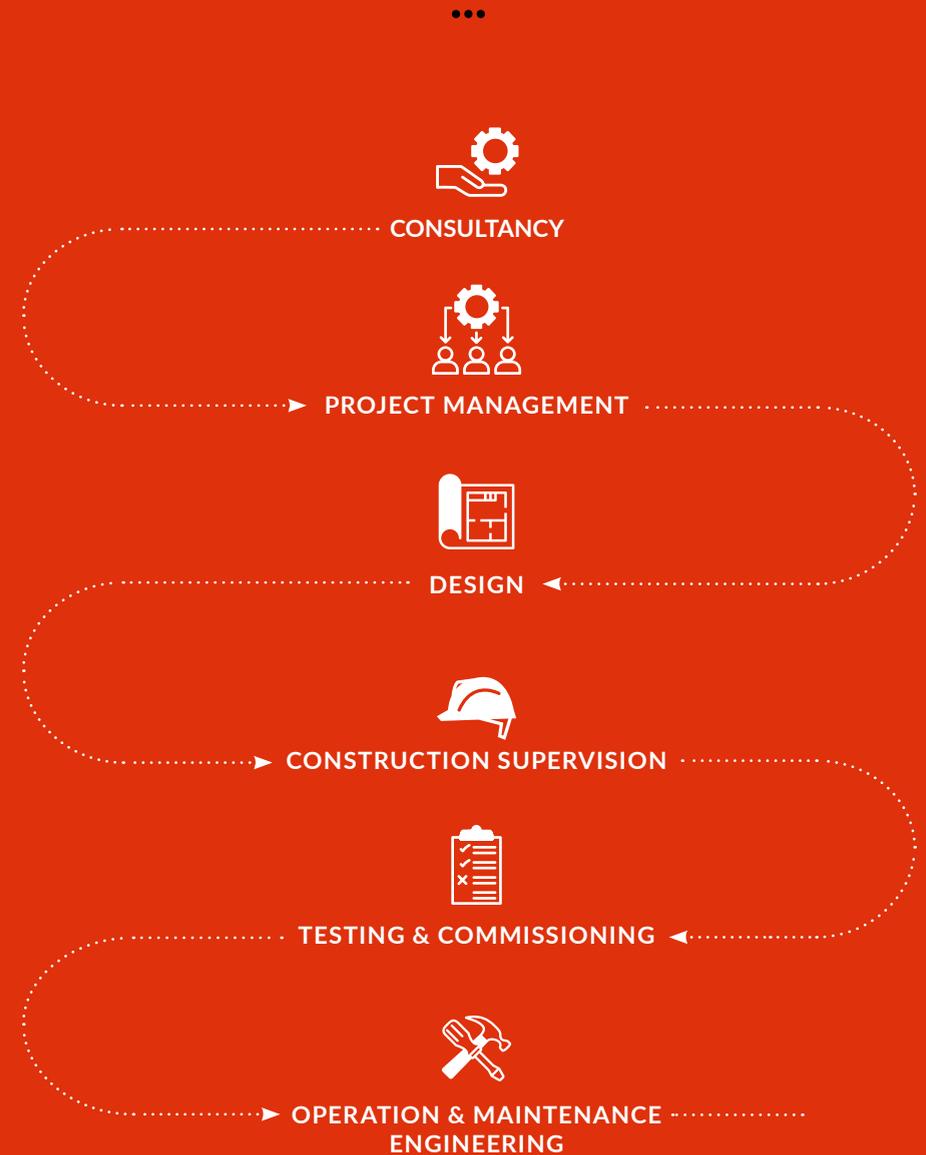


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...
FOR ALL
**TRANSPORTATION
SOLUTIONS**



SYSTRA, PRESENT THROUGHOUT THE
**PROJECT
LIFECYCLE**



7 CHALLENGES AND OPPORTUNITIES FOR THE FUTURE

ENERGY TRANSITION

DESIGNING LOW-CARBON MOBILITY



Every day, low-carbon mobility becomes a little more embedded in our daily journeys. It forms a natural part of the calm and sustainable city while supporting development for municipalities.

OPTIMISING DATA

RAISING THE SUSTAINABLE PERFORMANCE OF INFRASTRUCTURES



Transportation networks can increase their profitability while optimising the way they gather, analyse, structure, and share data, from planning to operation, from design to construction.

SYSTRA

NEW USES

OPENING THE WAY TO MOBILITY AS A SERVICE



Connected technology is accelerating the transition towards on-demand services and pay-per-use pricing to respond to new expectations (MaaS).

AT A GLANCE

FINANCING OF INFRASTRUCTURES

CONSIDERING THE OVERALL LIFECYCLE COST OF PROJECTS



Efficient and sustainable management of transport infrastructures is a vital challenge set to intensify for existing and new lines. Making the right investment decisions at the right time is essential to preserve the value of assets.

AUTONOMOUS TRANSPORT SYSTEMS

ANTICIPATING INTEGRATION OF NEW MOBILITY SERVICES



Automation, already widely used in the metro, will transform public transport, improving the safety, capacity and reliability of services. Self-driving carriages and shuttles will become more widespread. And why not flying taxis and drones?

DIGITALISATION AND CYBER SECURITY

MANAGING NEW RISKS



New technologies and the digital transformation are accelerating openness and the interconnection of systems making them more vulnerable. This means having to revisit the usual scenarios to implement the most appropriate provisions.

TRANSPORT NETWORKS

REINVENTING THE CITY WITH A GLOBAL APPROACH



Studies on new network routes allow decision-makers to measure impacts of development projects, and to identify deposits of land-related value. Mobility needs to be understood within a more systemic view enabling choice assessment on the scale of a whole municipality.

OUR APPROACH TO INNOVATION

BEING AMBITIOUS AND REALISTIC

Thanks to our long experience and holistic vision of transportation systems, SYSTRA accompanies clients in the choice and implementation of new technologies to tackle their mobility challenges.

OUR ICONIC PROJECTS

A history of passion and innovation



1970

Cairo Metro: first metro on the African continent

1974

The Lille VAL: world's first automated transport system

1980

Nantes tramway: first modern tramway in France integrating low floor, articulated and scalable carriages

1992

SYSTRA patents the concept of the U-shaped viaduct

1997

Bordeaux: world's first tram without overhead wires

2007

World rail speed record on the LGV Est

2012

Creation of La Fabrique workshops



2014

Dubai Tram: first CBTC tramway integrating platform doors and use of the APS system in extreme climatic conditions



2014

Innovation challenge "SYSTRA's got talents"

2016

BIM design award, the 2016 Build-Earth Live Hyperloop prize won in Dubai

2016

Hyperloop project with Virgin Hyperloop One

2017

Autonomous train with SNCF

2017

New NExTEO operating system with CBTC and ATS (Automatic Train Supervision) technology

2017•18

Bus line electrification in Montreal, Lyon and Orléans

2018

Self-driving cars with SYSTEM X and NTU University in Singapore

2019

Urban Air Mobility with Airbus

2020

- SYSTRA developed its new slab track (patent pending)
- Publication: 'The Future of the Subway', a prospective study accessible to all led by the magazine 'Usbek & Rica'



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**A FEW
REFERENCES**
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**/01
UNITED
KINGDOM**

The new station in London of the HS2 high speed network will be the most interconnected in the country. Its construction is being managed by the Balfour Beatty/Vinci/SYSTRA joint venture.

**/02
THAILAND**

Easing travel in Thailand is happening via the interconnection of its airports with its hyper-centre thanks to the creation of a high speed line.



**/03
CANADA**

The new Samuel De Champlain Bridge spans the Saint Lawrence river and has transformed mobility for almost 50 million motorists each year.





/04
FRANCE

The Grand Paris Express is Europe's biggest urban transport project. At the worksite's peak up to 21 tunnel boring machines will be simultaneously in action to cut four metro lines.



/05
UNITED ARAB EMIRATES

The Etihad Rail freight rail network currently under construction aims to link the port terminals and cities of the entire Arabian Peninsula.

/06
BRAZIL

Optimisation of the bus networks is essential for daily travel. In Teresina, the biggest city in the state of Piaui, the experience and safety of passengers requires digital solutions.



/07
AUSTRALIA

In May 2019, Australia's biggest city inaugurated its first automatic metro line and began the construction of a second line in order to promote collective and sustainable mobility.



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