



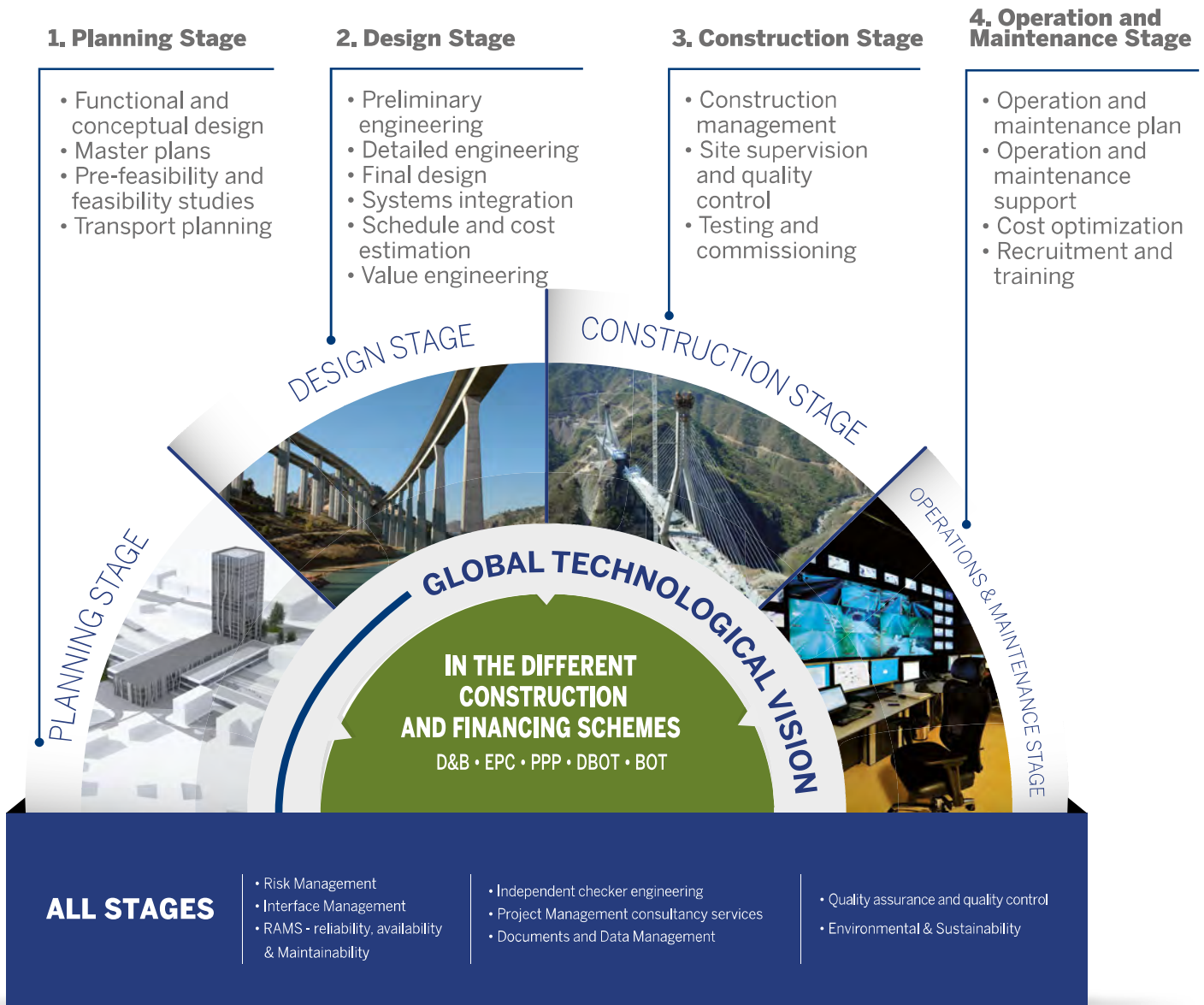
Rail, Urban Transit and Roads

About SENER

SENER provides sustainable and innovative solutions in infrastructure, transportation and mobility, where we have the best teams to carry out comprehensive engineering projects. Our aim is to offer our clients the most advanced technological solutions and achieve international recognition based on our independence and commitment to innovation, sustainability and quality.

We are a worldwide benchmark in urban transport systems, high-speed rail, highways and roads. We have long since become a key player in the development of major projects in countries such as Brazil, Canada, Colombia, Chile, United Arab Emirates, Spain, the United States, Mexico and the United Kingdom.

Founded in 1956, we are a leading engineering and technology group with over 2,400 professionals across 20 countries and an operating revenue near to 400 Million Euro.



We provide a **full range of services** for complex integral projects, from initial planning to operation stages under different financing, construction and operation schemes.

Corporate key facts



400

near to million €
turnover / year

Workforce over

2,400

professionals



Over

65

years of
Experience



+15,000 Km
in railway projects

+5,000 Km
in high speed

+1,200 Km

for metro and LRT



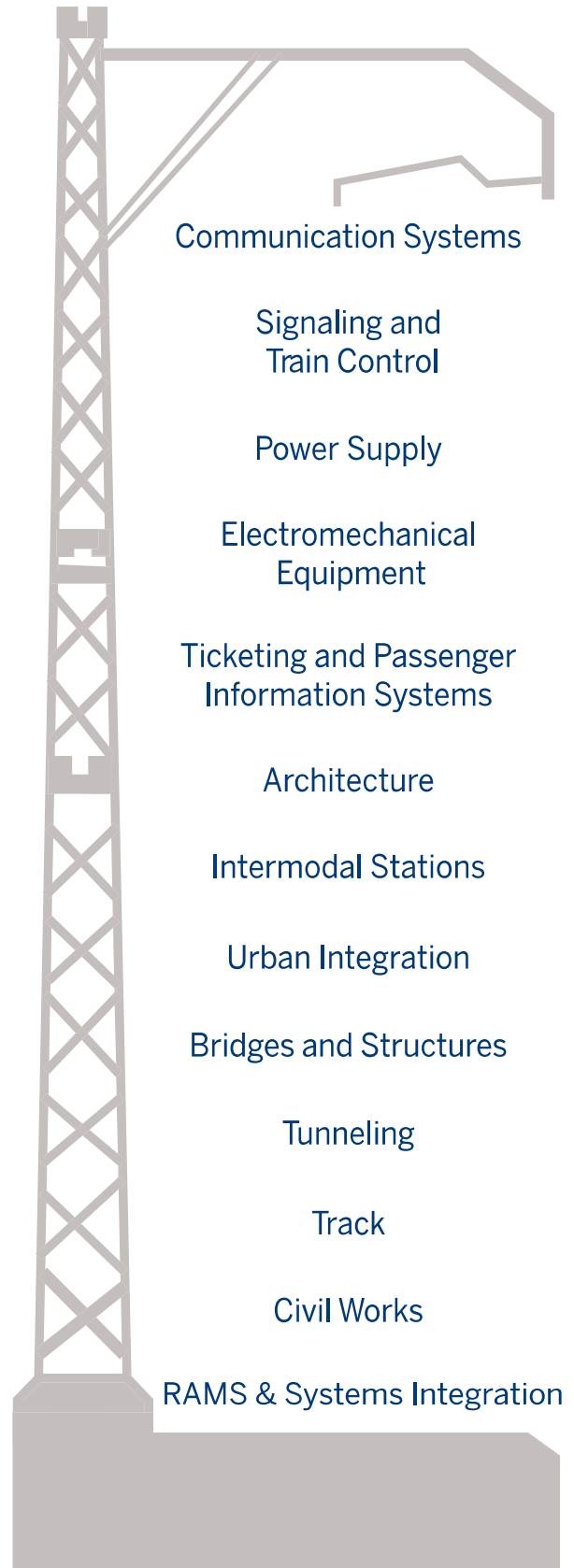
+70

urban transport
systems

+3,500 Km
in roads



Services Technical Expertise



Rail



▲ Engineering & Environmental services for Palmade - Burbank section of California High Speed Line (USA)



▲ International High Speed Line Figueres - Perpignan (Spain - France)



▲ Railway link between Dar es Salaam and Morogoro (Tanzania)

High Speed Rail

- HS2 phase one Engineering Delivery Partner. London - Birmingham section (UK)
- HSR Spanish Eastern Corridor (Spain)
- HSR Spain - France: Madrid - Zaragoza - Barcelona - French border (Spain - France)
- International High Speed Line Figueres - Perpignan (Spain - France)
- Engineering & Environmental services for Palmade - Burbank section of California High Speed Line (USA)
- California High Speed Line Construction Packages 2, 3 & 4 (USA)

Rail

- Toluca - Valle de Mexico Interurban Train (Mexico)
- Moroccan Railways Northern Lines (Morocco)
- Algerian 'Saida - Moulay Slissen' Railway Corridor (Algiers)
- Railway link between Dar es Salaam and Morogoro (Tanzania)
- Morogoro-Makutupora Railway (Tanzania)
- Etihad Railway Packages 2B, 2D and 2F1 (UAE)
- North-South Rail Embankment Repair (KSA)
- Dammam-Riyadh Rail Siding Lines & Pt1 Signalling Design (KSA)



Urban Transit



▲ Doha Metro Elevated Stations Architectural Finishes (Qatar)



▲ Abu Dhabi LRT Study (UAE)

Metro

- Doha Metro Elevated Stations Architectural Finishes (Qatar)
- Doha Metro Depot and Stabling Yard (Qatar)
- Route 2020: Dubai Metro Red Line Extension (UAE)
- Riyadh Metro Network Package 3 - Lines 4, 5 and 6 (KSA)
- Algiers Metro Network (Algeria)
- West Cairo and East Cairo Monorail (Egypt)
- Panama Metro Line 3 - Monorail (Panama)

LRT

- Porto LRT Network (Portugal)
- Coruña LRT (Spain)
- Oran LRT (Algiers)
- Lusail LRT (Qatar)
- Abu Dhabi LRT Study (UAE)
- Kaohsiung LRT (Taiwan)
- LRT Kuala Lumpur (Malaysia)



Roads

Civil Works

- Cebu-Cordova Bridge (The Philippines)
- Road tunnel under the Suez Canal (Egypt)
- Fourth bridge over the Panama Canal (Panama)
- Toluca viaduct (Mexico)
- Minglanilla - Villargordo del Cabriel HSL Madrid - Valencia (Spain)
- HSR Orense - Santiago Arenteiro viaduct (Spain)
- Doha Metro Red Line Major Elevated Civil Works (Qatar)

▲ Cebu-Cordova Bridge (The Philippines)



Tunnels

- Engineering & Environmental services for Palmade - Burbank section of California High Speed Line (USA)
- Panama Metro Line (Panama)
- Barcelona Metro Line 9 (Spain)
- HSL Figueres - Perpignan Perthus Tunnel (Spain - France)
- Port Said Tunnels (Egypt)

◀ Port Said Tunnels (Egypt)

Stations and Architecture

- Los Angeles Union Station Master Plan (USA)
- Madrid Intermodal 'Sol' Station (Spain)
- Barcelona 'La Sagrera' Intermodal Station (Spain)
- Valencia Central Station (Spain)
- Doha Metro Elevated Stations Architectural Finishes (Qatar)

HSR Rosa de Lima Station in Burgos (Spain) ▶



Rail Systems

Systems Design

- Santiago de Chile Metro Line 1 (Chile)
- Toluca - Valle de Mexico Passenger Train (Mexico)
- California HSR verification and validation (USA)
- HS2 Engineering Delivery Partner (UK)
- Barcelona Metro Line 9 (Spain)

Systems Integration

- Panama Metro Line 3 - Monorail (Panama)
- California High Speed Rail (USA)
- Cairo Monorails (Egypt)
- Finch LRT Systems & Track (Canada)

Systems Assurance and RAMS

- Edinburgh Tram - York Place to Newhaven (UK)
- Interurban Railway Mexico DF – Toluca (Mexico)
- Etihad Rail Packages 2B and 2D (UAE)
- Green & Purple Line Project Tel Aviv LRT (Israel)
- Cairo Monorail (Egypt)

Independent Safety Evaluations

- AsBO for Adif High Speed Rail Projects (Spain)
- ISA Services for Ottawa LRTs (Canada)
- ISA for Lisbon Metro (Portugal)
- IV&V Edmonton Valley Line West LRT (Canada)



Barcelona Metro Line 9 (Spain)

Innovation

- BlockSAT: System for the signaling and management of railway traffic
- 'Aerotraviesa': Aerodynamic sleeper for HSL to diminish flying ballast
- Cross wind protection system for High Speed Railway Lines
- UIC Handbooks for High Speed Lines
- Depot 10.0: Depots for the future
- Station 2040: Future stations



respira
now breathe

Artificial Intelligence Ventilation.
Increase commuters comfort.



ASB T

Advisory system for risk control in tunnels.
Increase projects safety.



Global footprint



Awards & Recognitions



2014
The Fleming Award Finalist



2017
European Awards Infrastructure & Transport



2020
First place in the Architecture, Construction & Design Awards



2021
Ranked 65nd in the ENR Top 225 International Design Firms List



2021
Best Engineering Corporate Governance Europe Award