RAILWAY
We are a multi-sector engineering company with global presence that renders planning, design, construction and operational services in the transportation, building, automotive, energy and environmental industries. We have a portfolio of projects developed in more than 20 countries.

GPO is a multidisciplinary business group based in Europe and America: Sam Schwartz Consulting in the USA, SISTRAN in Brazil, GPO Ingeniería y Arquitectura and GPO Sistemas in Spain, GPO Colombia and GPO Peru.

As a group that is committed to progress, we are interested in contributing to the improvement of the countries where we operate. Our philosophy is based on the fact that design and construction are inseparable, and that applying deep knowledge to each of these aspects is fundamental to the success of any project.

WHO WE ARE

GPO is a multidisciplinary Engineering and Architecture Group with global presence and local nature.
WHAT WE DO

MOBILITY AND TRANSPORTATION
CONNECTIVITY AND SOCIETY
We connect places and facilitate healthy environments where you live and work.

MOBILITY
- Bike Sharing
- Shared Mobility
- Pedestrian Mobility
- Urban and Interurban Mobility
- Big Data
- Transportation Systems
- Urban Traffic Management

TRANSPORTATION
- Roads
- Railway
- Metro
- Tram/Light Rail
- Ports
- Airports
- Bus Rapid Transit
- Logistics

RAILWAY CONSULTING
- Rolling Stock
- Safety
- Maintenance
- Commissioning and Operation

BUILDING
UNIQUE ARCHITECTURE
We carry out world-class architectural projects while rendering Project and Facility Management services.

BUILDING
- Unique Architecture
- Facility Management
- Public Facilities
- Health Care

AUTOMOTIVE INDUSTRY
TEST FACILITY ENGINEERING
We create engineering solutions for test facility design and monitoring in the Automotive Industry.

AUTOMOTIVE INDUSTRY
- Test Tracks
- Laboratories
- Circuits
- Industrial Plants

ENVIRONMENT
SUSTAINABLE ENGINEERING
We apply innovative methodologies to guarantee our projects integrate suitably with the environment.

ENVIRONMENT
- Irrigation
- Supply
- Sewage Networks
- Treatment Plants

INDUSTRY
INDUSTRIAL DEVELOPMENT
We offer imaginative solutions to achieve the highest goals in client satisfaction.

INDUSTRY
- Industrial Plants
- Logistic Centers
- Generation
- Industrial Process

Lines 1 and 2 of the Malaga Metro, Spain. Operation and Commissioning of Railway Systems, Rolling Stock and Workshops for the maintenance of Lines and Trains.

GPO covers the life cycle of any Engineering and Architecture project.
WHAT WE DO

Services

PLANNING AND CONSULTANCY

- Strategic Planning
- Feasibility Studies
- Territorial Plans
- Functional Studies
- Environmental Impact Assessment
- Operational Studies
- Conceptual Designs
- Transportation System Planning
- PPP Structure
- Urban Planning
- Urban and Interurban Mobility Plans
- Integrated Plans for Urban and Interurban Transportation
- Needs Assessment and Traffic Studies
- Feasibility and Profitability
- Geological - Geotechnical - Environmental Studies
- Audits
- Risk Management
- RAMS Analysis
- ISA Certifications

DESIGN

- Feasibility Studies
- Environmental Impact Assessment
- Preliminary Designs
- Functional Study
- Detailed Design
- Audits
- Procurement & Tendering
- ToR Drafting
- License Management
- BIM Management
- Project Management

CONSTRUCTION MANAGEMENT

- Project Management
- Construction Management
- Project Monitoring
- Risk Management
- Construction Supervision
- Health and Safety Coordination
- Environmental Management
- Consultancy
- Concession Contests
- Topography
- Delivery and Guarantee Period
- As-built Projects

OPERATION AND MAINTENANCE

- Facility Management
- Operation and Maintenance Plans
- Drafting of Traffic Regulations
- Specifications Drafting: Maintenance, Safety, Cleaning, etc.
- Advice on Insurance
- Operators and Maintainers Training: Train Operators, Traffic Control, Station staff, Rolling stock maintainers
- Electrification, Signalling, and Communications
- Commissioning
GPO Group’s professionals have provided planning, design and construction phase services for some of the largest and most complex rail transit and high-speed rail projects undertaken to date. We are proud to be in the forefront in developing rail systems that move people faster, safer and in a more sustainable way.

Our multi-disciplined professionals can be counted upon to create concepts and sustainable designs that meet program goals and provide lasting value to the community. The following pages present descriptions of projects that exemplify the services we can provide.

Implementation of a new streetcar line between Brooklyn and Queens in New York, USA
Transport Planning
MAIN PROJECTS

SAGRERA RAILWAY STATION
Madrid - Zaragoza - French border High Speed Railway Line
Barcelona, Spain

Service
Detailed Design

Client
ADIF (Administrador de Infraestructuras Ferroviarias) BSAVE (Barcelona Sagrera Alta Velocidad, S.A.)

SAGRERA STATION AND LINE 9 OF THE BARCELONA METRO
Renovation and extension of the Sagrera metro station
Barcelona, Spain

Service
Detailed Design

Client
GISA (Gestio d’Infraestructures, S.A.)

SÃO PAULO METRO AND BUS STATION OF LINE 2 | GREEN
Agua Rasa Station
São Paulo, Brazil

Service
Preliminary Design

Client
Companhia do Metropolitano de São Paulo

SÃO PAULO METRO STATIONS
Phase II of the São Paulo Metro Line 5
São Paulo, Brazil

Service
Preliminary Design

Client
Companhia do Metropolitano de São Paulo

BARCELONA RAILWAY NETWORK
Sagrera Station - Lines C3 and C4
Barcelona, Spain

Service
Detailed Design

Client
Spanish Ministry of Public Works Dirección General de Infraestructuras Ferroviarias

SÃO PAULO METRO AND BUS STATION OF LINE 2 | GREEN
Orfanato Station
São Paulo, Brazil

Service
Preliminary Design

Client
Companhia do Metropolitano de São Paulo
MAIN PROJECTS

IMPLEMENTATION OF A NEW LIGHT RAIL NETWORK
Baixada Santista Metropolitan Area
São Paulo, Brazil
Service
Detailed Design
Client
EMTU (Empresa Metropolitana de Transportes Urbanos)

SÃO PAULO METRO STATION
União Station in Vila Nova
São Paulo, Brazil
Service
Functional Study
Preliminary Design
Detailed Design
Client
Companhia do Metropolitano de São Paulo

6 STATIONS OF THE SÃO PAULO METRO AND SWITCHYARDS
Light rail. Line 17 - Gold
São Paulo, Brazil
Service
Preliminary Design
Client
Companhia do Metropolitano de São Paulo

LINE 2 OF THE LIMA METRO
Risk analysis for the operation of Line 2
Lima, Perú
Service
Consultancy
Client
Ferrovial Agroman

IMPLEMENTATION OF THE LIGHT RAIL NETWORK IN MACEIÓ
Section: Maceió Center - Zumbi dos Palmares International Airport
Alagoas, Brazil
Service
Preliminary Design
Client
Companhia do Metropolitano de São Paulo

BARCELONA METRO NETWORK
Passeig de Gràcia Station - Commuter, Rail and Metro Interchange Station
Barcelona, Spain
Service
Feasibility Study
Client
GISA (Gestio d’Infraestructures, S.A.) Generalitat de Catalunya (Government of Catalonia)

6 STATIONS OF THE SÃO PAULO METRO AND SWITCHYARDS
Light rail. Line 17 - Gold
São Paulo, Brazil
Service
Preliminary Design
Client
Companhia do Metropolitano de São Paulo

IMPLEMENTATION OF THE LIGHT RAIL NETWORK IN MACEIÓ
Section: Maceió Center - Zumbi dos Palmares International Airport
Alagoas, Brazil
Service
Preliminary Design
Client
Companhia do Metropolitano de São Paulo

BARCELONA METRO NETWORK
Passeig de Gràcia Station - Commuter, Rail and Metro Interchange Station
Barcelona, Spain
Service
Feasibility Study
Client
GISA (Gestio d’Infraestructures, S.A.) Generalitat de Catalunya (Government of Catalonia)
MAIN PROJECTS

EXTENTION OF THE SABADELL RAILWAY LINE
Barcelona commuter stations
Barcelona, Spain
Service
Feasibility Study
Client
GISA (Gestio d’Infraestructures, S.A.)
Generalitat de Catalunya (Government of Catalonia)

STATION OF LINE 5 - PURPLE OF THE SÃO PAULO METRO
Vila Clementino Station
São Paulo, Brazil
Service
Preliminary Design
Client
Companhia do Metropolitano de São Paulo

PLAZA ESPAÑA STATION OF THE BARCELONA METRO
Interchange station for FGC Line 8 and Metro Line 3
Barcelona, Spain
Service
Preliminary Design
Client
GISA (Gestio d’Infraestructures, S.A.)

STATIONS OF LINE 8 - DIAMOND OF THE SÃO PAULO METRO
Imperatriz Leopoldina and Quitaúna Stations
São Paulo, Brazil
Service
Preliminary Design
Detailed Design
Client
Companhia do Metropolitano de São Paulo

STATION OF LINE 11 - CORAL OF THE SÃO PAULO METRO
Guanazes Station
São Paulo, Brazil
Service
Preliminary Design
Detailed Design
Client
CPTM (Cia. Paulista de Trens Metropolitanos)

LINE 9 OF THE BARCELONA METRO
Section of 1,090 m in Polígono Industrial Pratenc
Barcelona, Spain
Service
Detailed Design
Client
GISA (Gestio d’Infraestructures, S.A.)
MAIN PROJECTS

TRAM OF THE BARCELONA METROPOLITAN AREA
Tram design for Cornellá Centre - Hospital de Bellvitge section
Barcelona, Spain

Service
Demand Analysis
Functional Study
Consultancy

Client
ATM (Autoritat del Transport Metropolità)

MADRID TRAM NETWORK
Infrastructure of Pozuelo de Alarcón – Majadahonda and las Rozas
Madrid, Spain

Service
Detailed Design

Client
MINTRA (Madrid Infraestructuras del Transporte)
Consejería de Transportes e Infraestructuras

SEVILLA TRAM NETWORK
Superstructure of Mairena de Aljarafe – Bormujos
Sevilla, Spain

Service
Detailed Design

Client
Junta de Andalucía
Consejería de Obras Públicas y Transportes

LINE 9 OF THE BARCELONA METRO
Stations and other infrastructure works for sections I and II
Barcelona, Spain

Service
Project Monitoring

Client
Infraestructures.cat

MERCAT NOU STATION OF THE BARCELONA METRO
Station renovation
Barcelona, Spain

Service
Detailed Design

Client
GISA (Gestio d’Infraestructures, S.A.)

SANT GERVAŠI STATION OF FGC
Barcelona metro network
Barcelona, Spain

Service
Detailed Design

Client
GISA (Gestio d’Infraestructures, S.A.)
Generalitat de Catalunya (Government of Catalonia)

URBAN TRANSPORT
MAIN PROJECTS

ARC DE TRIOMF STATION
Barcelona Railway and Metro Network
Barcelona, Spain

Service
Detailed Design
Construction Supervision

Client
GISA (Gestio d’Infraestructures, S.A.)
Generalitat de Catalunya (Government of Catalonia)

MOTORS STATION OF THE BARCELONA METRO LINE 9
Barcelona Metro Network
Barcelona, Spain

Service
Detailed Design

Client
FGC (Ferrocarrils de la Generalitat de Catalunya)

GRACIA STATION OF THE BARCELONA METRO
Barcelona Metro Network
Barcelona, Spain

Service
Detailed Design
Construction Supervision

Client
GISA (Gestio d’Infraestructures, S.A.)
Generalitat de Catalunya (Government of Catalonia)

STATION OF THE SÃO PAULO METRO LINE 1 - BLUE
Shopping Metrô Tucuruvi Station
São Paulo, Brazil

Service
Project Management
Construction Supervision

Client
JHSF Participações

SMART RAILWAY
Renovation works for a railway line
San Francisco, USA

Service
Procurement & Tendering

Client
PROVEN
COMSA, JV

STATIONS OF THE SÃO PAULO METRO LINE 6 - ORANGE
Brazilândia and Pátio Morro Grande Stations
São Paulo, Brazil

Service
Preliminary Design

Client
Companhia do Metropolitano de São Paulo
MAIN PROJECTS

**MADRID METRO**
Renovation of 58 Metro Stations
Madrid, Spain

*Service*
Detailed Design
Construction Supervision

*Client*
Metro de Madrid

**NEW RAILWAY COMPLEX IN VALLADOLID**
Construction of new Maintenance Facilities for Commuter and High Speed Railway Lines
Valladolid, Spain

*Service*
Construction Supervision

*Client*
INECO - TRN Consortium

**LEÓN - ASTURIAS HIGH SPEED RAILWAY LINE**
Segment: La Robla - Pola de Lena. Pajares Bypass
León and Asturias, Spain

*Service*
Detailed Design

*Client*
ADIF (Administrador de Infraestructuras Ferroviarias)

**MARMARAY PROJECT, GEBZE – HALKALI COMMUTER RAILWAY**
Railway Power Supply, Signalling, Communications and Data Collection Systems
İstanbul, Turkey

*Service*
Detailed Design

*Client*
Eptisa

**MITRE AND SARMIENTO SUBURBAN LINES**
New electrification system, and commissioning and integration tests for Toshiba Trains
Buenos Aires, Argentina

*Service*
Consultancy
Rolling Stock

*Client*
UGOMS

**MADRID - SEVILLE HIGH SPEED RAILWAY LINE**
Upgrade of the railway systems in the Getafe – Pinto segment
Madrid, Spain

*Service*
Detailed Design

*Client*
ADIF (Administrador de Infraestructuras Ferroviarias)
MAIN PROJECTS

HYDERABAD METRO
Independent Safety Assessment for Lines 1, 2 and 3
Hyderabad, India
Service
Independent Safety Assessment
Client
Hyderabad Metro

MÁLAGA METRO
General Safety Procedure for Lines 1 and 2
Málaga, Spain
Service
Consultancy
Client
Málaga Metro

BUENOS AIRES METROPOLITAN RAILROAD SYSTEM
Operation and Maintenance Audit
Buenos Aires, Argentina
Service
Safety Audit
Client
Metrovías

"PEOPLE MOVER"
Light Metro Network
Education City, Qatar
Service
Construction Supervision
Client
ASTAD

SEVILLA METRO
Operation and Maintenance Supervision for Line 1
Sevilla, Spain
Service
Construction Supervision
Client
Sevilla Metro

MÁLAGA METRO
Lines 1 and 2
Málaga, Spain
Service
Commissioning
Operation
Client
Metro de Málaga
MAIN PROJECTS

JAEN TRAM SYSTEM
Commissioning and Operation Services
Jaen, Spain
Service
Consultancy
Client
Jaen Local Government

TRAIN IN THE SOUTH OF TENERIFE
Design of Depots and Maintenance Facilities
Tenerife, Spain
Service
Detailed Design
Client
Tenerife Metro (MTSA)

JAEN TRAM
Design and Utilities for Operations and Maintenance Facilities
Jaén, Spain
Service
Detailed Design
Consultancy
Client
Public Entity for Andalusian Railways

RENFE COMMUTER LINES IN SANT ANDREU COMTAL
Design and Utilities for Maintenance Facilities
Barcelona, Spain
Service
Detailed Design
Client
BSAVE (Barcelona Sagrera Alta Velocitat S.A)

SEVILLA METRO
Supply of Urbos III Trains
Sevilla, Spain
Service
Consultancy
Client
Sevilla Metro

ZARAGOZA TRAM
Consultancy Services for the Operations and Maintenance Facilities
Zaragoza, Spain
Service
Consultancy
Client
Zaragoza Tram
**PORT OF BARCELONA**

**Extension of the Barcelona Container Terminal**
Barcelona, Spain

**Service**
Construction Supervision

**Client**
Terminal de Contenidors de Barcelona, S.L. (TCB)

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**RAILWAY PROJECTS IN THE PORT OF BARCELONA**

**Railway bridge to the cruise port and railway access to the container terminal**
Barcelona, Spain

**Service**
Preliminary Design
Detailed Design

**Client**
Autoritat Portuària de Barcelona (Port of Barcelona)

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**LOGISTIC FACILITIES**

**Development of the Logistic Design Manual**
Spain

**Service**
Consultancy

**Client**
ADIF (Administrador de Infraestructuras Ferroviarias)

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**CONVENTIONAL RAIL**

**MONTSERRAT RACK TRAIN**

**Design of the line and three stations**
Barcelona, Spain

**Service**
Detailed Design
Construction Supervision

**Client**
GISA (Gestio d’Infraestructures, S.A.)
Generalitat de Catalunya (Government of Catalonia)

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**EXTENSION OF A BARCELONA RAILWAY LINE**

**FGC Line 8**
Barcelona, Spain

**Service**
Feasibility Study

**Client**
GISA (Gestio d’Infraestructures, S.A.)
Generalitat de Catalunya (Government of Catalonia)

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**NEW BARCELONA COMMUTER LINE**

**Cornella – Castelldefels Line**
Barcelona, Spain

**Service**
Feasibility Study

**Client**
ADIF (Administrador de Infraestructuras Ferroviarias)
Spanish Ministry of Public Works
MAIN PROJECTS

MADRID - ZARAGOZA - BARCELONA - FRENCH BORDER HIGH SPEED RAILWAY LINE
Sant Joan Despi - Sant Boi de Llobregat. Platform
Barcelona, Spain
Service
Detailed Design
Construction Supervision
Client
Spanish Ministry of Public Works

ATLANTIC AXIS HIGH-SPEED RAIL LINE
Das Maceiras - Redondela
Pontevedra, Spain
Service
Detailed Design
Client
Spanish Ministry of Public Works

ATLANTIC AXIS HIGH-SPEED RAIL LINE
Queixas Bypass. Platform and tracks.
A Coruña, Spain
Service
Construction Supervision
Client
Spanish Ministry of Public Works

NORTHWEST HIGH SPEED RAILWAY LINE.
MADRID - GALICIA LINE
Olmo - Zamora. Platform and tracks.
Valladolid, Spain
Service
Construction Supervision
Client
Spanish Ministry of Public Works

NORTHWEST HIGH SPEED RAILWAY LINE.
MADRID - GALICIA LINE
Olmo - Zamora. Platform
Valladolid, Spain
Service
Detailed Design
Client
Spanish Ministry of Public Works

ATLANTIC AXIS HIGH-SPEED RAIL LINE
Cerceda - Merama. Platform and tracks.
A Coruña, Spain
Service
Construction Supervision
Client
Spanish Ministry of Public Works

ATLANTIC AXIS HIGH-SPEED RAIL LINE
Queixas Bypass. Platform and tracks.
A Coruña, Spain
Service
Construction Supervision
Client
Spanish Ministry of Public Works

MADRID - ZARAGOZA - BARCELONA - FRENCH BORDER HIGH SPEED RAILWAY LINE
Olmo - Valladolid, Spain
Service
Construction Supervision
Client
Spanish Ministry of Public Works

NORTHWEST HIGH SPEED RAILWAY LINE.
MADRID - GALICIA LINE
Olmo - Zamora. Platform
Valladolid, Spain
Service
Detailed Design
Client
Spanish Ministry of Public Works
MAIN PROJECTS

NEW EAST HIGH SPEED RAILWAY ACCESS
Madrid - Castilla La Mancha - Comunidad Valenciana - Murcia area Platform Spain
Service Detailed Design Construction Supervision
Client ADIF (Administrador de Infraestructuras Ferroviarias) Spanish Ministry of Public Works

CANTABRIC - MEDITERRANEAN HIGH-SPEED RAILWAY CORRIDOR
Railway connection between the Atlhantic and the Mediterranean Spanish coasts Spain
Service Functional Study
Client Spanish Ministry of Public Works

MADRID - LEVANTE HIGH SPEED RAILWAY LINE
Puzol - Sagunto Valencia, Spain
Service Detailed Design
Client ADIF (Administrador de Infraestructuras Ferroviarias)

ATLANTIC AXIS HIGH-SPEED RAIL LINE
Uxes - Pocomaco - San Cristobal Station A Coruña, Spain
Service Construction Supervision
Client Spanish Ministry of Public Works

ATLANTIC AXIS HIGH-SPEED RAIL LINE
Vigo South Access Vigo, Spain
Service Feasibility Study
Client Spanish Ministry of Public Works

MADRID - ZARAGOZA - BARCELONA - FRENCH BORDER HIGH SPEED RAILWAY LINE
Montcada - Mollet Barcelona, Spain
Service Detailed Design Construction Supervision
Client ADIF (Administrador de Infraestructuras Ferroviarias) Spanish Ministry of Public Works
MAIN PROJECTS

**ELECTRIFICATION OF THE MADRID - GALICIA HIGH SPEED RAILWAY LINE**
Section: Zamora - Pedralba de la Pradería
Zamora, Spain

Service
Detailed Design

Client
Spanish Ministry of Public Works

**CANTABRIC - MEDITERRANEAN HIGH-SPEED RAILWAY CORRIDOR**
Teruel - Sagunto, Aragón - Valencia
Spain

Service
Feasibility Study

Client
Spanish Ministry of Public Works

**MEDITERRANEAN RAILWAY CORRIDOR**
Adaptation for future freight circulations
Murcia, Spain

Service
Feasibility Study

Client
Spanish Ministry of Public Works

**CREASEZE HIGH SPEED RAILWAY STATION**
Bidding contest
Ourense, Spain

Service
Functional Study

Client
ADIF (Administrador de Infraestructuras Ferroviarias)

**HUELVA HIGH SPEED RAILWAY STATION**
Architecture: FOA
Huelva, Spain

Service
Design proposal

Client
ADIF (Administrador de Infraestructuras Ferroviarias)

**SANTIAGO DE COMPOSTELA INTERMODAL RAILWAY STATION**
Architecture: AZPA
Santiago de Compostela, Spain

Service
Conceptual Design

Client
ADIF (Administrador de Infraestructuras Ferroviarias)

**ELECTRIFICATION OF THE MADRID - GALICIA HIGH SPEED RAILWAY LINE**
Section: Zamora - Pedralba de la Pradería
Zamora, Spain

Service
Detailed Design

Client
Spanish Ministry of Public Works

**CANTABRIC - MEDITERRANEAN HIGH-SPEED RAILWAY CORRIDOR**
Teruel - Sagunto, Aragón - Valencia
Spain

Service
Feasibility Study

Client
Spanish Ministry of Public Works

**MEDITERRANEAN RAILWAY CORRIDOR**
Adaptation for future freight circulations
Murcia, Spain

Service
Feasibility Study

Client
Spanish Ministry of Public Works

**CREASEZE HIGH SPEED RAILWAY STATION**
Bidding contest
Ourense, Spain

Service
Functional Study

Client
ADIF (Administrador de Infraestructuras Ferroviarias)

**HUELVA HIGH SPEED RAILWAY STATION**
Architecture: FOA
Huelva, Spain

Service
Design proposal

Client
ADIF (Administrador de Infraestructuras Ferroviarias)

**SANTIAGO DE COMPOSTELA INTERMODAL RAILWAY STATION**
Architecture: AZPA
Santiago de Compostela, Spain

Service
Conceptual Design

Client
ADIF (Administrador de Infraestructuras Ferroviarias)