



Portfolio 2026

Transforming Transit \ Redefining Cities





About Us

We are a Colombian company with over 15 years of experience, both locally and internationally. At SOLID Consultants, we offer innovative and effective solutions in the **urban planning and sustainable transport** industry, backed by a team with in-depth knowledge of the public sector and extensive experience in private and non-governmental sectors. We have advised on more than **100 public and private projects across America, Europe, Asia, and the Middle East**, adapting to a wide range of institutional, financial, cultural, and social contexts.

Our international experience allows us to offer a variety of user-centered alternatives, ensuring that our solutions are not only innovative but also practical and tailored to the specific needs of each client. We work with an integrated and collaborative approach, allowing us to tackle complex challenges and deliver outstanding results.

Our **Global** Footprint

We combine international experience and local knowledge to develop user-centered solutions adapted to different urban contexts

+100

projects
advised

+15

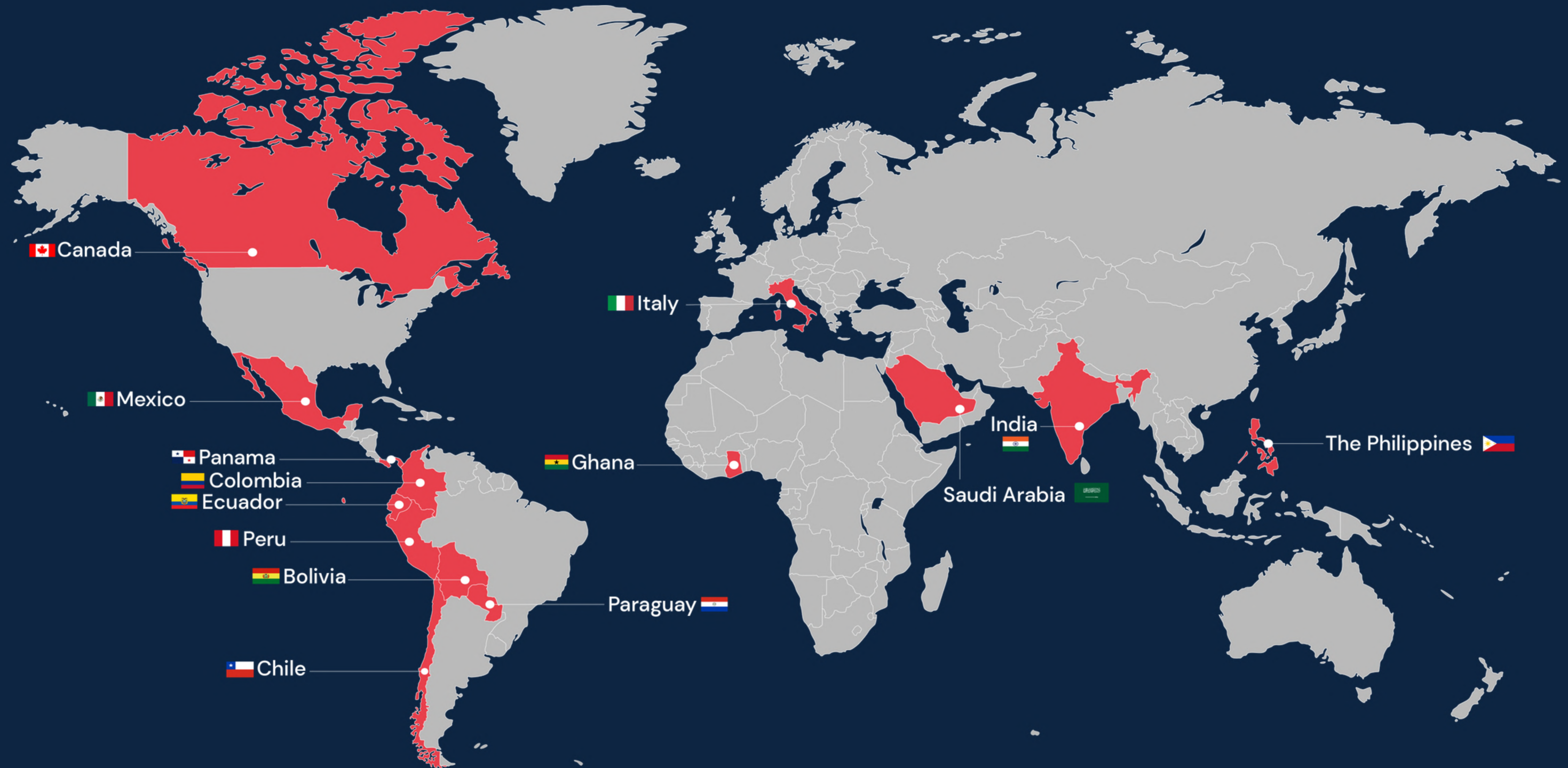
years of
experience

14

countries

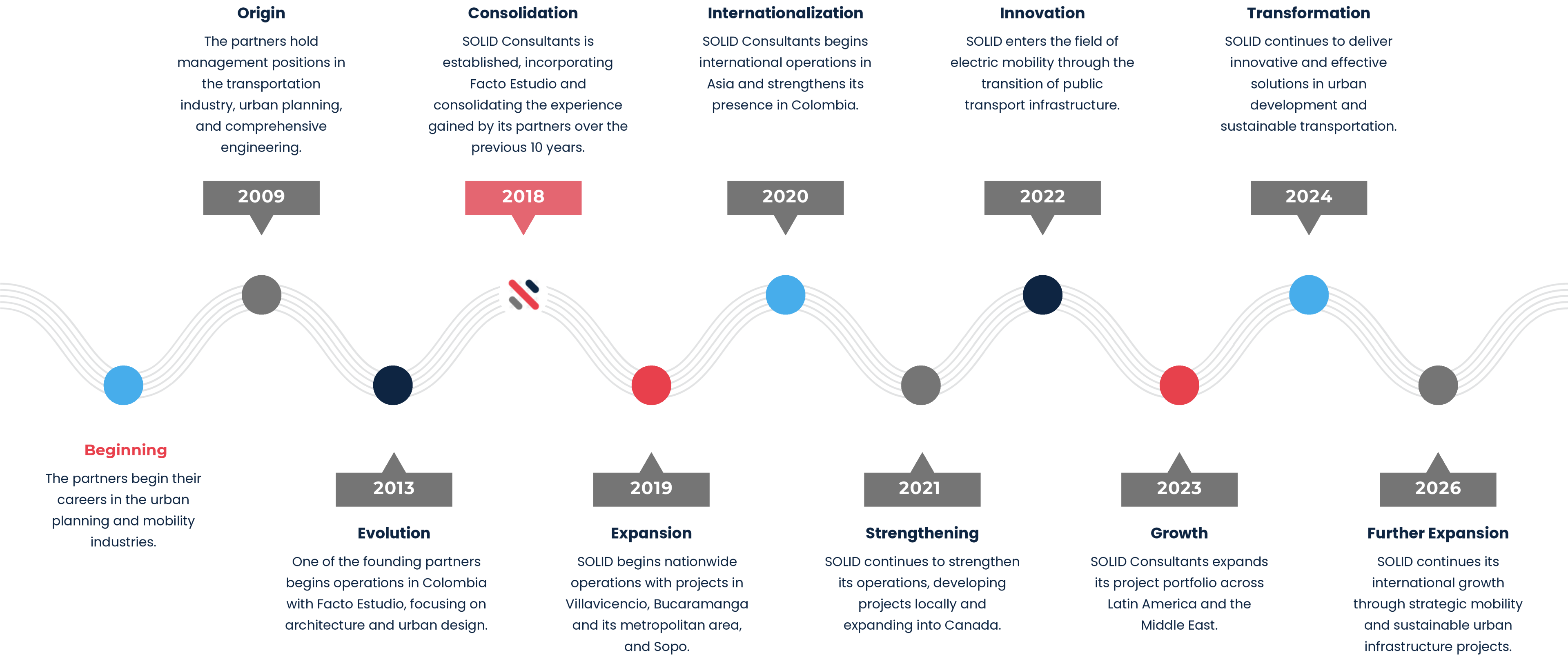
4

continents



Experience across **Private** | **Public** | **NGO** sectors

Timeline

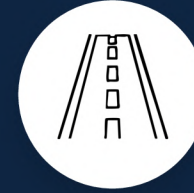


Our Areas of Expertise

Architecture



Road Infrastructure



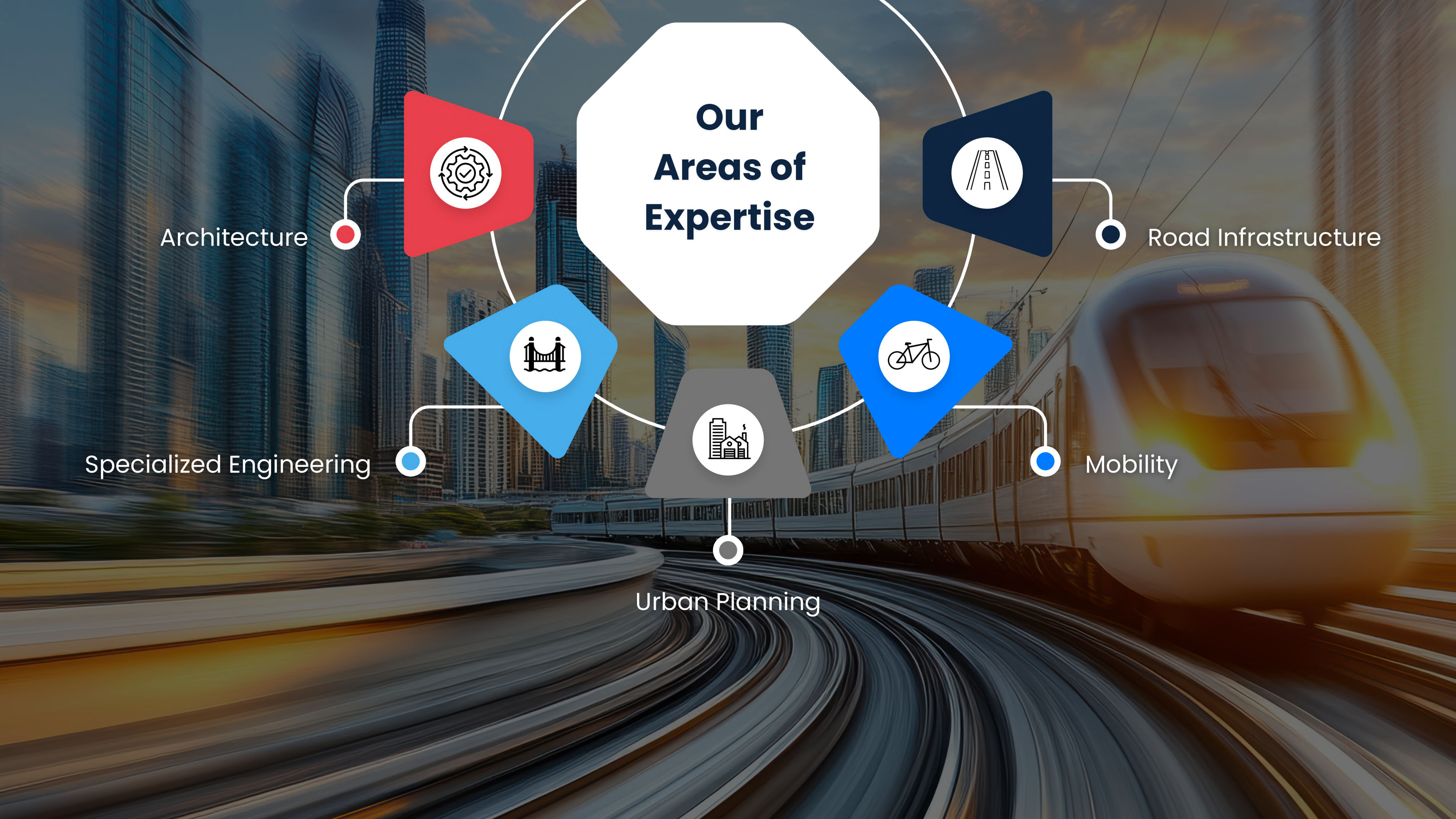
Specialized Engineering



Mobility



Urban Planning

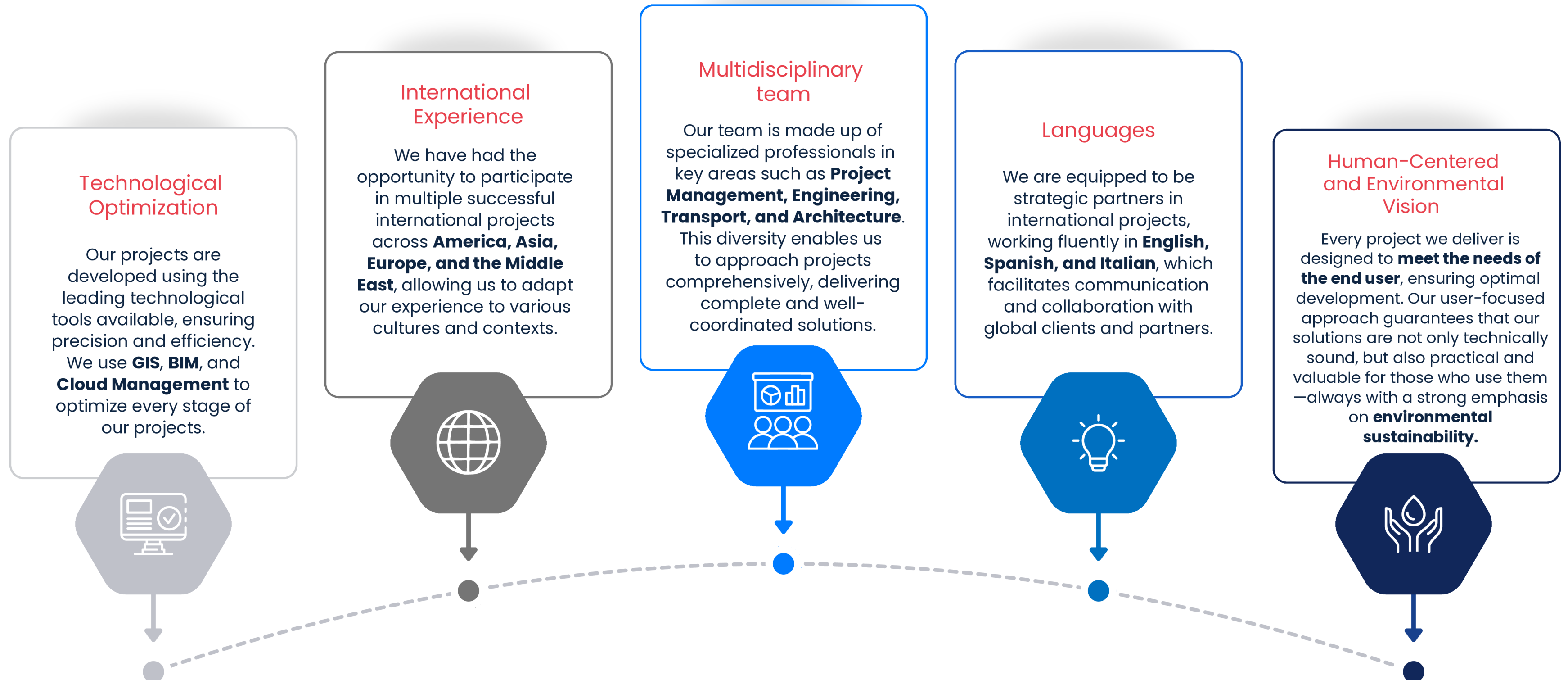


Our **Services**

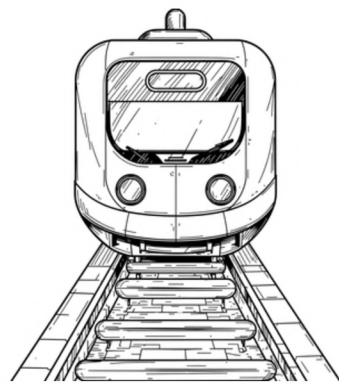


¿What **Sets Us** Apart?

At SOLID, we understand how urban planning and mobility affect quality of life; we combine global experience, advanced technology, and a user-centered approach.



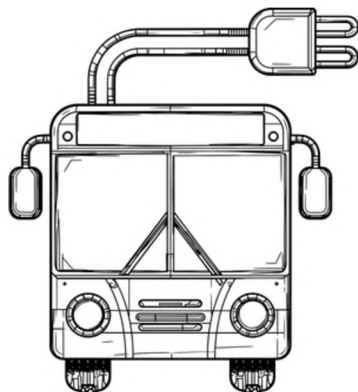
SOLID in numbers



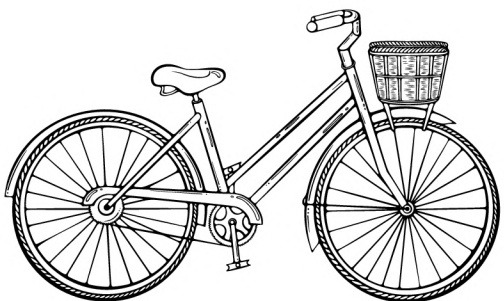
+300 km
of Metro corridors
and associated
infrastructure designed



+250 km
of BRT corridors
and associated
infrastructure designed



**+10 Advisory
projects** in electric
mobility



+200 km
of public space and
non-motorized
mobility design



+70 Depot facilities
planned and/or
designed



+10
Mobility plans



Mobility, Transport, and Road Safety



Mobility, Transportation and Road Safety

Conceptualization and infrastructure design to support the operation of various transport modes (BRT, LRT, cable car, pedestrian, and bicycle): roads, stations, modal integration hubs, terminals, and depot facilities.

Public Transport System Design Integrating Electromobility Solutions

- Electric Bus Depot – Bogota Integrated Transport System – Colombia: Supervision of infrastructure delivery for depot operation.
- Electric Bus Depots – BRT System in Navotas – Philippines: Operational and architectural design for electric bus depots of the Navotas BRT system in Manila, Philippines.
- The Line – NEOM Smart Linear City: Support for the structuring of NEOM's regional mobility strategy in Saudi Arabia.
- BRT Mass Transit System – Ontario Municipalities – Canada: Project management for the structuring of the Brampton – Queen St. BRT in the municipalities of Brampton and York, Ontario, Canada.
- Bogota Metro – First Line: Technical and administrative assistance for the structuring of Bogota's first metro line.



Mobility, Transportation and Road Safety

Conceptualization and infrastructure design to support the operation of various transport modes (BRT, LRT, cable car, pedestrian, and bicycle): roads, stations, modal integration hubs, terminals, and depot facilities.

Public Transport System Design Integrating Electromobility Solutions

- Bogota Metro – First Line: Coordination of the structural design of the viaduct structures required for the technical branch of the first metro line in Bogota, within the framework of the Integrated Public Transport System – SITP.

Studies and Designs for Infrastructure Associated with Public Transport Systems

- Public Transport System – Metropolitan District of Quito – Ecuador: Cost analysis, fare collection system, and service quality indicators for Quito's public transport system.
- Integrated Public Transport System – Tarija, Bolivia: Planning study at the pre-investment level for the city's integrated transport system.



Mobility, Transportation and Road Safety

Conceptualization and infrastructure design to support the operation of various transport modes (BRT, LRT, cable car, pedestrian, and bicycle): roads, stations, modal integration hubs, terminals, and depot facilities.

Studies and Designs for Infrastructure Associated with Public Transport Systems

- Fluvial Passenger Transport System – Sinú River in Monteria – Colombia: Infrastructure component for the technical, legal, and financial structuring of the system and detailed engineering design of a pilot project.
- Depots – Bogota Integrated Public Transport System (SITP): Geometric redesign of infrastructure for depot operation in the localities of Fontibon, Bosa, Suba Centro, and San Cristóbal.
- Standard Design Guide for Depots and Terminals: Coordination of the consultancy team to develop a standard design guide for functional infrastructure components of depots and terminals in Bogota's zonal transport system, including analysis methodology for real estate modeling and case-specific applications.



Mobility, Transportation and Road Safety

Conceptualization and infrastructure design to support the operation of various transport modes (BRT, LRT, cable car, pedestrian, and bicycle): roads, stations, modal integration hubs, terminals, and depot facilities.

Studies and Designs for Infrastructure Associated with Public Transport Systems

- Integrated Public Transport System – Metropolitan Area, Central West Region – Colombia: Coordination of specialists and development of the infrastructure and vehicle technology component for the technical, financial, and legal structuring consultancy of the AMCO Integrated Transport System, including electric bus transition analysis.
- Strategic Public Transport System – Manizales: Technical, legal, financial, and social structuring (ETLFS) of the Strategic Public Passenger Transport System (SETP) for the municipality of Manizales.
- National Intelligent System for Infrastructure, Transit, and Transport – Colombia: Technical consultancy for the design and implementation of the SINITT, including project monitoring support for ITS (Intelligent Transport Systems) and the national ITS master plan.



Mobility, Transportation and Road Safety

Conceptualization and infrastructure design to support the operation of various transport modes (BRT, LRT, cable car, pedestrian, and bicycle): roads, stations, modal integration hubs, terminals, and depot facilities.

Studies and Designs for Infrastructure Associated with Public Transport Systems

- TransMiCable Ciudad Bolívar: integrated structuring of the operation and maintenance contract, including infrastructure, physical security, and fare-evasion components.
- TransMilenio Phase IV, Av. Ciudad de Cali extension in Soacha: technical supervision of technical and demand components at pre-feasibility and feasibility levels, including water and sanitary systems, BIM, and geometric design.



Mobility, Transportation and Road Safety

Conceptualization and infrastructure design to support the operation of various transport modes (BRT, LRT, cable car, pedestrian, and bicycle): roads, stations, modal integration hubs, terminals, and depot facilities.

Studies for Bus Rapid Transit (BRT) Systems

- BRT System – MiBus – Panama City: Mobility and geometric design study for 30 system stations.
- BRT System – Abu Dhabi – United Arab Emirates: Conceptual study for the implementation of the BRT system in the city.
- BRT System – Cebu City – Philippines: Development of technical specifications for the design of the BRT system in Cebu.
- BRT System – Acapulco – Mexico: Review and conceptual design alternatives for the proposed BRT corridor in Acapulco.
- BRT System – Toluca – Mexico: Planning and capacity analysis of conceptual design alternatives for proposed BRT terminal integration nodes.
- BRT System – Chimalhuacán – Mexico: Road safety audits of the main corridor and capacity analysis of corridor stations (Av El Peñon).



Mobility, Transportation and Road Safety

Conceptualization and infrastructure design to support the operation of various transport modes (BRT, LRT, cable car, pedestrian, and bicycle): roads, stations, modal integration hubs, terminals, and depot facilities.

Studies for Bus Rapid Transit (BRT) Systems

- BRT System – Santiago – Chile: Review and geometric design alternatives for 4 nodes along the Santa Rosa line.
- BRT System – Lima – Peru: Pre-design and geometric layout for a private initiative proposal of the Lurigancho BRT corridor in Lima.
- BRT System – Cali – Colombia: MIO consultancy for the conceptual component of the technical, legal, and financial structuring for a pilot fleet of electric buses.
- BRT System – Metrolínea – Bucaramanga – Colombia: Operational, planning, and elevation design of the provisional depot in Floridablanca.

Road Safety

- MIO BRT System – Cali – Colombia: Road safety audit for designs and works of the MIO Mass Transit System.
- Traffic Light System – Monteria – Colombia: Technical diagnostics of the signaling system.



Mobility, Transportation and Road Safety

Conceptualization and infrastructure design to support the operation of various transport modes (BRT, LRT, cable car, pedestrian, and bicycle): roads, stations, modal integration hubs, terminals, and depot facilities.

Studies for Bus Rapid Transit (BRT) Systems

- **BRT System – Bogota – Colombia:**
 - Leadership and coordination of a team of 28 interdisciplinary professionals, as well as supervision of multiple contracts for:
 - Maintenance and improvement of accessibility, safety, and capacity conditions of the SITP bus stop network.
 - Planning and implementation of infrastructure promoting BRT system integration with bicycles (access control, bike parking, and custody services).
 - Maintenance and enhancement of the BRT system infrastructure, following safety, comfort, and user information standards.
 - Structuring of the operation and expansion of the cable car network within the Integrated Public Transport System.
 - Planning and implementation of energy-efficient technology upgrade programs (lighting and alternative energy sources) at stations and terminals.
 - Comprehensive project management for the adaptation and construction of the temporary 80th Street and Suba depots – TransMilenio Phase I and II.



| Electromobility

Through innovative and sustainable solutions, we aim to transform urban transport by integrating net-zero or low-emission technologies. We approach this transformation with a systematic analysis that considers operational, technological, infrastructure, and governance aspects.

- Electromobility in Latin America and the Caribbean
 - Identification of the regulatory framework, benefits, and key electromobility projects in the LAC region.
 - Leadership in conducting interviews with key stakeholders involved in the transition to electromobility in Latin America.
 - Development of a SWOT analysis on potential markets for electromobility in the region.
 - Context analysis and identification of investment opportunities in the field of sustainable mobility in Ecuador.



| Electromobility

Through innovative and sustainable solutions, we aim to transform urban transport by integrating net-zero or low-emission technologies. We approach this transformation with a systematic analysis that considers operational, technological, infrastructure, and governance aspects.

Strategic Electromobility Projects

- Electric Buses in Cali: Coordination of the team of specialists and development of the infrastructure component for the consulting study. The project seeks strategies for financial sustainability, fare integration, technological efficiency, and environmental impact by incorporating electric buses into the mass transit system of the western zone – SITM MIO.
- Zero-Emission Buses: Support to C40 Cities Finance Facility by preparing a report on best practices for coordination and communication between key stakeholders, aiming to accelerate the deployment of zero-emission bus fleets.
- Electric Buses in Asuncion: Feasibility study for a public transport system and a pilot fleet of electric buses for Asuncion, Paraguay.
- Electric Buses in Medellin: In collaboration with the Inter-American Development Bank (IDB) to structure the technological migration to electric buses in Medellin's transport system.
- Consultancy: Technological, industrial, and market analysis of electric vehicles in Latin America and the Caribbean.



Urban Design and Transit-Oriented Development

The image is a vibrant, high-quality architectural rendering of a modern urban transit corridor. In the center, a sleek, silver and lime-green articulated transit bus is stopped at a modern transit station. The station features a glass and metal shelter with a flat roof, where several diverse people are waiting. To the right of the bus is a dedicated bicycle lane, painted in a bright green color with yellow dashed lane markings and a white bicycle symbol on the pavement. A person wearing a blue jacket, black pants, and a helmet is riding a bicycle away from the viewer in this lane. Further ahead, another cyclist is visible. The street is flanked by lush green trees and low-lying plants in planters. In the background, a dense city skyline with various high-rise buildings is visible against a backdrop of mountains under a clear blue sky with some light clouds. The overall scene conveys a sense of a well-planned, sustainable, and pedestrian-friendly urban environment.

Urban Design and Transit-Oriented Development

Urban planning, mobility plans, urban and public space design, and Transit-Oriented Development (TOD).

Urban Public Space and Landscape Design

- Construction of urban road infrastructure in Engativa, Bogota – Colombia: Public space design and construction monitoring.
- Detailed studies and designs for Av. Constitucion in Bogota – Colombia: Urban planning and landscape design.
- Public Space Conservation in Bogota – Colombia: Urban and landscape design for road segments in the area known as Group 4. Tv 80G; Phase III design and public space coordination on Tv 80G between Calle 68 Bis Sur and Calle 66 Sur in Bogota, approx. 700 m².
- Public space at Calle 54 intersection, Bogota – Colombia: Phase III design and coordination of public space at the intersection of Calle 54 and Cr 9 in Bogota, approx. 940 m².
- Public space on Calle 83: Phase III design and public space coordination on Calle 83 between Cr 7 and Av. Circunvalar in Bogota, approx. 1,200 m².



Urban Design and Transit-Oriented Development

Urban planning, mobility plans, urban and public space design, and Transit-Oriented Development (TOD).

Urban Public Space and Landscape Design

- Public Space – Manga, Cartagena: Phase III design of public space for Quinta Avenida in Manga, Cartagena – approx. 30,000 m².
- Public Space – San Victorino: Phase III design of public space for the San Victorino Open-Air Shopping Center – approx. 23,000 m².
- Urban Development Institute (IDU) Planning: Planning, development, and implementation of infrastructure projects for non-motorized transport, with an emphasis on bicycles and cycling infrastructure in Bogota.
- Regularization and Management Plan for the Colegio de Estudios Superiores de Administración (CESA): Coordination of Phase III (detailed) urban and landscape design.
- Av. 80 Tram – Medellin, Colombia: Phase II (feasibility) designs for urban and landscape development.
- Greater Kumasi BRT: urban planning and BIM management for feasibility, business model, detailed design, and procurement support.



Urban Design and Transit-Oriented Development

Urban planning, mobility plans, urban and public space design, and Transit-Oriented Development (TOD).

Urban and Landscape Design for Road Concessions

- Soacha Viaduct: Phase II (Feasibility) designs for the architecture, urban planning, and landscape volumes.
- Giron – Piedecuesta Bypass: Phase II (Feasibility) designs for the architecture, urban planning, and landscape volumes.
- Private Road Project – Conexión Centro in Pereira, Armenia, and Manizales (Colombia): Urban planning design for the road infrastructure project.
- Villavicencio – Yopal: Phase III (Detailed) designs for the architecture, urban planning, and landscape volumes of the Villavicencio–Yopal dual carriageway project, Functional Units 1 and 7.
- Private Road Project – Perimetral Sabana in Madrid, Mosquera, Funza, Tenjo, Tabio, Cota, and Cajica (Colombia): Urban planning volume design.
- Transversal del Sisga: Phase III (Detailed) designs for the architecture, urban planning, and landscape volumes of the rehabilitation project for the Transversal del Sisga road corridor, Functional Units 1 to 4.



Urban Design and Transit-Oriented Development

Urban planning, mobility plans, urban and public space design, and Transit-Oriented Development (TOD).

Urban and Landscape Design for Road Concessions

- Accenorte: Phase II (Feasibility) and Phase III (Detailed) designs for the architecture, urban planning, and landscape volumes of the Bogota Northern Access expansion project.
- Calle 63: Phase II (Feasibility) designs for the architecture, urban planning, and landscape volumes.
- Calle 170: Phase II (Feasibility) designs for the architecture, urban planning, and landscape volumes.
- Metropolitan Area Road Project in Bucaramanga – Colombia: Urban planning and landscape design for the road infrastructure project.
- Meta Road Network Project: Urban planning and landscape design for the APP Llanos road concession.



Urban Design and Transit-Oriented Development

Urban planning, mobility plans, urban and public space design, and Transit-Oriented Development (TOD).

Urban and Landscape Design for Road Concessions

- Navotas: detailed design of electric-bus depots and maintenance facilities and MPSS for depots, charging infrastructure, and electric buses.
- Technical consultancy for pre-feasibility studies for the aerial cable connecting La Calera with Bogotá D.C.; urban planning component.



Urban Design and Transit-Oriented Development

Urban planning, mobility plans, urban and public space design, and Transit-Oriented Development (TOD).

Urban and Landscape Design for Road Concessions

- PIRCAP, Ciudad Bolívar: feasibility studies, definitive studies and designs, and implementation of works for sustainable and safe urban mobility corridors within the Potosí Aerial Cable Comprehensive Urban Revitalization Project; Urban Planning and Regulatory Components.



Urban Design and Transit-Oriented Development

Urban planning, mobility plans, urban and public space design, and Transit-Oriented Development (TOD).

Mobility: Characterization, Connectivity, Diagnostics, and Master Plans

- Mobility Plan for the Municipality of Sogamoso – Colombia: Restructuring of public transport routes as part of the master mobility plan for municipalities with historic centers.
- Mobility System of Toluca – Mexico: Baseline mobility characterization study for the city.
- Mobility Systems of Nezahualcoyotl and Chimalhuacan – Mexico: Characterization and diagnostic study of urban mobility.
- Barrancabermeja – Colombia: Formulation of the city's Master Mobility Plan and Road Plan.
- Connectivity Study for the Red de Pueblos Patrimonio – Socorro, Colombia: Analysis and inclusion of the municipality in the network.
- Master Mobility Plan for Galapa – Colombia: Formulation of the master mobility and public space plan.
- Master Mobility Plan for Bucaramanga – Colombia: Urban planning, road safety, and infrastructure components for the plan's update.
- Master Mobility Plan for the Historic Center of Asuncion: Urban planning, road safety, and infrastructure specialties.



An aerial photograph of a multi-lane highway bridge crossing a river. The bridge has several lanes in each direction, with yellow and white lane markings. It is surrounded by dense green trees and vegetation. A few vehicles, including cars and trucks, are visible on the bridge. The river is dark and reflects the surrounding greenery. The overall scene is a mix of infrastructure and nature.

Concessions and road infrastructure

Concessions and road infrastructure

We work on the conceptualization and design required for the structuring of Colombian road concessions.

Support Infrastructure for Road Concessions: Toll and weigh stations, operations control centers, tunnels, and service areas.

- Villavicencio – Yopal Corridor: Toll stations and weigh stations.
- Pamplona – Cúcuta Corridor: Operations Control Center, Tunnel Control Center, and Service Area.
- Transversal del Sisga: Operations Control Center, Service Area, toll stations, and weigh stations.
- Northern Access Roads to Bogota: Operations Control Center, Service Area, toll stations, and weigh stations.
- Eastern Perimeter Road of Bogota: Operations Control Center and Service Area.

Road Infrastructure (Design and Supervision)

- Av. 80 Tram – Medellin: Phase II (Feasibility) urban planning and landscape design.
- VIPSA Toll Stations Supervision – 2016: Supervision of studies and designs for the urban planning volume of the VIPSA road concession.
- Cesar – Guajira Road Concession: Supervision of studies and designs for the urban planning and landscape volumes.



Concessions and road infrastructure

We work on the conceptualization and design required for the structuring of Colombian road concessions.

Structuring for Public-Private Partnerships

- Soacha Viaduct: Phase II (Feasibility) designs for the architecture, urban planning, and landscape volumes.
- Giron – Piedecuesta Bypass: Phase II (Feasibility) designs for the architecture, urban planning, and landscape volumes.
- Perimetral Sabana – Private Initiative PPP: Phase II (Feasibility) designs for the architecture, urban planning, and landscape volumes.
- Villavicencio – Yopal Dual Carriageway: Phase III (Detailed) designs for the architecture, urban planning, and landscape volumes – Functional Units 1 and 7.
- Transversal del Sisga: Phase III (Detailed) designs for the architecture, urban planning, and landscape volumes for the corridor rehabilitation – Functional Units 1 to 4.
- Accenorte – Bogota Northern Access Expansion: Phase II (Feasibility) and Phase III (Detailed) designs for the architecture, urban planning, and landscape volumes.
- Calle 63 – Bogota: Phase II (Feasibility) designs for the architecture, urban planning, and landscape volumes.
- Calle 170 – Bogota: Phase II (Feasibility) designs for the architecture, urban planning, and landscape volumes.



Concessions and road infrastructure

We work on the conceptualization and design required for the structuring of Colombian road concessions.

Structuring for Public-Private Partnerships

- Operations Control – POB (Perimetral de Oriente de Bogota): Architectural design of the Operations Control Center and Service Area for the POB road concession in Sopo, Cundinamarca.
- Operational Infrastructure – Cúcuta – Pamplona: Architectural design of Tunnel Control Centers, Service Area, and Operations Control Center for the Cucuta – Pamplona road concession in Santander.
- Accenorte II: Review of urban planning and dry utility volumes as part of the technical due diligence for the Accenorte concession in Chia, Cundinamarca.
- Lorica: Phase I (Pre-feasibility) design for the urban planning and dry utility volumes of a road infrastructure project in Lorica, Cordoba.
- Bogota – Girardot: Review of the accessibility component of buildings in the Via 40 Bogota – Girardot road concession in Cundinamarca.
- Savanna's Environmental Connection: Phase II (Feasibility) design of the urban planning and public space volume for the Savanna's Environmental Connection corridor in Cundinamarca.
- Meta Road Network: Phase III (Detailed) designs for the architecture, urban planning, and landscape volumes of the Meta's Road Network road concession project.



Concessions and road infrastructure

We work on the conceptualization and design required for the structuring of Colombian road concessions.

Public-Private Partnership Structuring

- Soacha Viaduct: Phase II (Feasibility) designs for the architecture, urban planning, and landscape volumes.
- Giron – Piedecuesta Bypass: Phase II (Feasibility) designs for the architecture, urban planning, and landscape volumes.
- Perimetral Sabana – Private Initiative PPP: Phase II (Feasibility) designs for the architecture, urban planning, and landscape volumes.
- Villavicencio – Yopal Dual Carriageway: Phase III (Detailed) designs for the architecture, urban planning, and landscape volumes – Functional Units 1 and 7.
- Transversal del Sisga: Phase III (Detailed) designs for the architecture, urban planning, and landscape volumes for the corridor rehabilitation – Functional Units 1 to 4.
- Accenorte – Bogota Northern Access Expansion: Phase II (Feasibility) and Phase III (Detailed) designs for the architecture, urban planning, and landscape volumes.
- Calle 63 – Bogota: Phase II (Feasibility) designs for the architecture, urban planning, and landscape volumes.
- Calle 170 – Bogota: Phase II (Feasibility) designs for the architecture, urban planning, and landscape volumes.



Concessions and road infrastructure

We work on the conceptualization and design required for the structuring of Colombian road concessions.

Technical audits for road concession projects

- Puerto Nuevo: Port Concession Contract No. 001 of March 31, 2011, signed between the National Concessions Institute – INCO (now under the National Infrastructure Agency – ANI) and Sociedad Portuaria Puerto Nuevo S.A.
- Cerrejon: Port Concession Contract established under Resolution No. 503 of July 1, 1983, signed between the General Superintendency of Ports (now under ANI) and Carbones de Colombia S.A. – CARBOCOL S.A. (now operated by Sociedad Cerrejon Zona Norte S.A.)



Concessions and road infrastructure

We work on the conceptualization and design required for the structuring of Colombian road concessions.

Technical audits for road concession projects

- Magdalena 2: Concession Contract No. 008 of 2014 between the National Infrastructure Agency (ANI) and Autopista Río Magdalena S.A.S., for the development of final studies and designs, financing, environmental, land, and social management, construction, improvement, rehabilitation, operation, maintenance, and reversion of the Río Magdalena 2 Concession.
- Neiva – Espinal – Girardot: Concession Contract No. 017 of 2015 between the National Infrastructure Agency (ANI) and Autovía Neiva Girardot S.A.S., for final studies and designs, financing, environmental, land, and social management, construction, improvement, rehabilitation, operation, maintenance, and reversion of the Neiva – Aipe – Castilla – Espinal – Girardot road concession.
- Autopistas del Cafe: Concession Contract No. 0113 of April 21, 1997, signed between the National Roads Institute (INVIAS)—now under the National Infrastructure Agency (ANI)—and the concessionaire Autopistas del Cafe S.A., for the development and operation of the Autopistas del Cafe corridor.



Concessions and road infrastructure

We work on the conceptualization and design required for the structuring of Colombian road concessions.

Auditoría para proyectos de concesiones viales

- Oiltanking – Port Concession: Port Concession Contract No. 021 of December 30, 1997, signed between the General Superintendency of Ports (now under ANI) and Sociedad Portuaria Dow Quimica de Colombia S.A. (now Oiltanking Colombia S.A.).
- Feasibility studies for Chía–Girardot, Soacha Bypass, Cota Bypass, and collector roads: Urban Planning, Road Safety, and BIM components for the Chía–Mondoñedo–Girardot corridor, including detailed design, construction, improvement, and operation.



Architectural Design

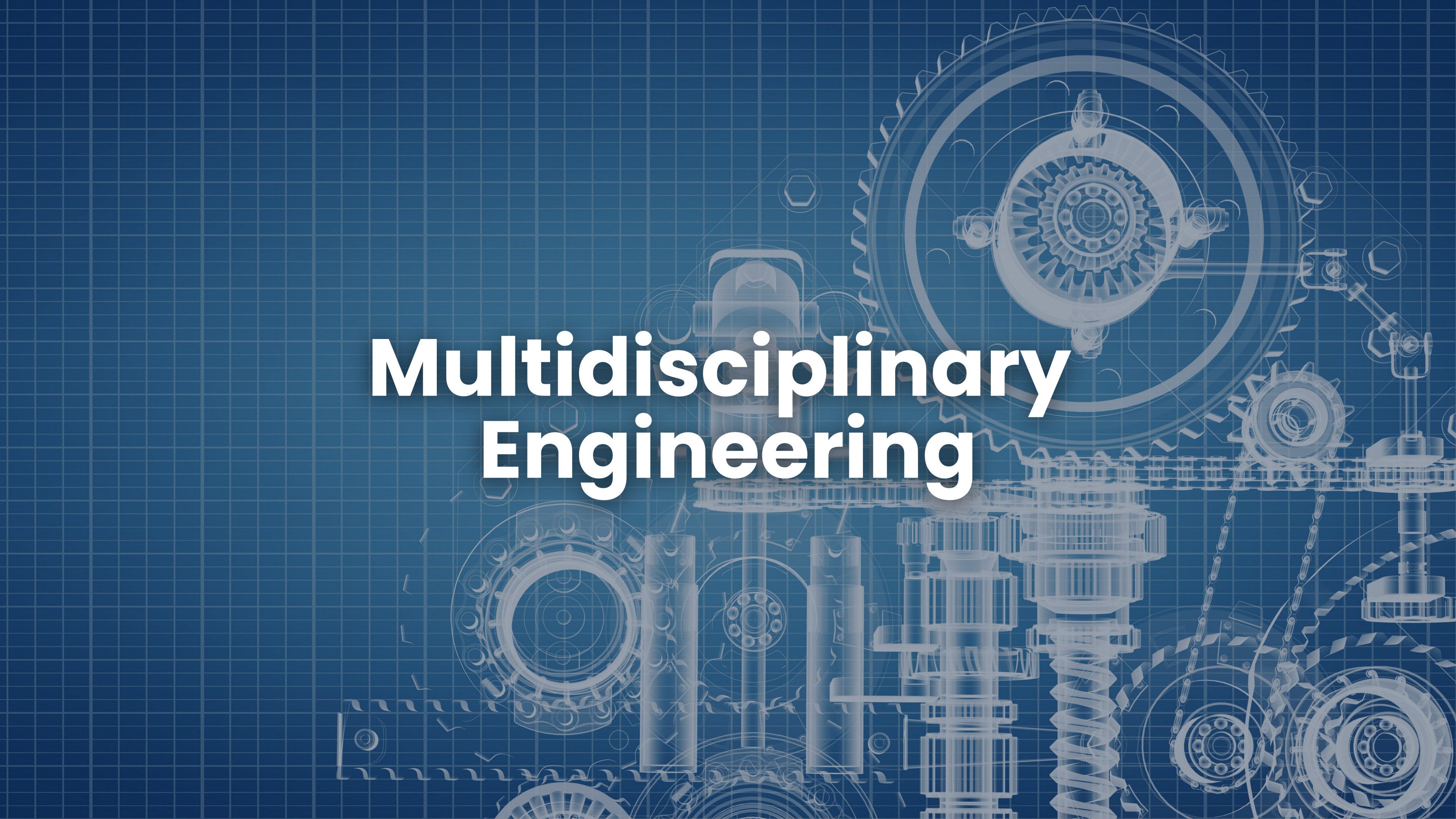


Architectural Design

We develop architectural projects for all types of activities. All our designs are developed using BIM methodology

- Coworking Offices in Bogota – Artwork: Architectural design for the building's renovation.
- Single-Family Rural Housing in Paipa: Architectural design of a rural home in Paipa.
- Coworking Offices – Accesa: Architectural design for the conversion of an office building into a coworking space in Bogota.
- Warehouse in Funza, Cundinamarca: Architectural and structural design of a firebreak wall and general warehouse structure.
- Single-Family Rural Housing in Guayabal: Architectural design of a rural home.
- Architectural designs for buildings within the Buenaventura–Loboguerrero–Buga project area (Cisneros and Zabaletas): SAICON Ingeniería – Sacyr Concesiones Colombia.
- Avenida Jorge Gaitán Cortés (Carrera 33), Tunjuelito, Bogotá: studies and designs for construction.
- IDU Contract 1554 of 2025 – Group 2: diagnosis, urban and landscape design.
- IDU Downtown Revitalization – Group 1: public realm and cycling infrastructure design.





Multidisciplinary Engineering

Multidisciplinary Engineering

Hydraulic, topographic, geological, geotechnical, soil, pavement, structural, traffic, environmental, mechanical, electrical, and lighting studies.



Espíritu Santo Educational Center in Villavicencio: geometric design, pavement, and public space design for the educational facility.



El Samán Country Housing Complex – Anapoima: geometric road design for urban development of El Samán in Anapoima.



Intermodal Plan for Southern Bolívar and Bajo Cauca: environmental component for intermodal planning of the Bajo Cauca region, led by UPIT in Colombia.



Detailed design studies for Constitución Avenue in Bogota – Colombia: dry utilities design and authorization with various public service companies.



Accenorte II: review of urban development volumes and dry utilities for the technical due diligence process related to the Accenorte concession in Chía, Cundinamarca.

Specialties



Urban planning and public space



Architecture



Geometric design



Structural Engineering



Geotechnical engineering and pavement



Water supply and sanitary networks



Electrical and telecommunications networks



HVAC (Heating, Ventilation, and Air Conditioning)



Heritage



Environmental



Budget and cost estimation



Topography

Multidisciplinary Engineering

Hydraulic, topographic, geological, geotechnical, soil, pavement, structural, traffic, environmental, mechanical, electrical, and lighting studies.



Lorica: Phase I design (Pre-feasibility) for urban development volumes and dry utility networks for a road infrastructure project in Lorica, Córdoba.



Cúcuta – Pamplona Operational Infrastructure: Architectural design of the Tunnel Control Centers, service areas, and the Operations Control Center for the Cúcuta – Pamplona road concession in Santander.



Architectural Design of a Single-Family Rural Housing in Guayabal – QUINO



Electric Bus Depot for the Bogota Integrated Transport System – Colombia – Perdomo: Supervision of infrastructure delivery for the operation of the depot.



Environmental Connection Sabana: Phase II design (Feasibility) for urban development volumes and public space for the "Conexión Ambiental Sabana" corridor in Cundinamarca.



Specialties



Urban planning and public space



Architecture



Geometric design



Structural Engineering



Geotechnical engineering and pavement



Water supply and sanitary networks



Electrical and telecommunications networks



HVAC (Heating, Ventilation, and Air Conditioning)



Heritage



Environmental



Budget and cost estimation



Topography

Multidisciplinary Engineering

Hydraulic, topographic, geological, geotechnical, soil, pavement, structural, traffic, environmental, mechanical, electrical, and lighting studies.



Technical review of the **Geometric Design** of the Gibraltar area within the Alo Sur project during the Due Diligence phase.



Provision of technical supervision services to FDN for the technical and demand components of the comprehensive structuring, at the pre-feasibility and feasibility stages, for the extension of the Av. Ciudad de Cali trunk corridor in Soacha – TransMilenio Phase IV.



Assessment of the existing electric vehicle charging infrastructure at the Sevillana depot.



Development of the financial and legal structuring, complementing the pre-feasibility and feasibility studies for an aerial cableway in Soacha, commissioned by the French Development Agency (AFD), as a feeder system for the mass transit network.

Specialties



Urban planning and public space



Architecture



Geometric design



Structural Engineering



Geotechnical engineering and pavement



Water supply and sanitary networks



Electrical and telecommunications networks



HVAC (Heating, Ventilation, and Air Conditioning)



Heritage



Environmental



Budget and cost estimation



Topography



UPDATE OF THE METROPOLITAN MASTER MOBILITY PLAN OF THE BUCARAMANGA METROPOLITAN AREA



Client

Transconsult / Findeter



Year

2022 – Bogota



Country

Colombia



Services

Specialized consultancy for the development of the Urban Planning, Infrastructure, and Road Safety components for the update of the Metropolitan Master Mobility Plan of the Bucaramanga Metropolitan Area



Municipality
of Bucaramanga



Municipality
of Floridablanca



Municipality
of Giron



Municipality
of Piedecuesta



SOLID



CUCUTA–PAMPLONA ROAD CONCESSION



Client

SAICON Ingeniería S.A.S. / SACYR



Year

2020 – Bogota



Country

Colombia



Services

Architectural, electrical, and air-conditioning design for the Operations Control Center, Service Area, and two Tunnel Control Centers of the Unión Vial Río Pamplonita concession.

700 m²

Operations
Control Center

2000 m²

Service
Area

1000 m²

Exterior Areas
(circulation and parking)

155 m²

Tunnel Control
Centers



SOLID



NEOM IN SAUDI ARABIA



Client
NEOM



Year
2023 – Saudi Arabia



Country
Saudi Arabia



Services
Support in the structuring of the regional mobility strategy for NEOM in Saudi Arabia

2000 km
of roads

250 km
of railways

530 km
of maritime
routes

3100 km
of air
routes

12
modal
interchanges

4
modes of
transport

5900 km
total mobility
network



SOLID



DEPOTS – TRANSMILENIO TRUNK SYSTEM



Client
Sigma GP – SI18



Year
2019 – Bogota



Country
Colombia



Services
Project Management, Conceptual Design, Detailed Design, Technical Coordination, and Construction Monitoring for 5 depot facilities of Bogota’s TransMilenio Trunk System
(2 temporary and 3 permanent depots)

PERMANENT DEPOTS

49

Bi-articulated
buses in the North

63

Articulated buses
in the North

130

Bi-articulated
buses in Suba

72

Bi-articulated
buses in Calle 80

TEMPORARY DEPOTS

140

Bi-articulated
buses in the North

40

Bi-articulated
buses in Calle 80



TECHNICAL DUE DILIGENCE – ACCENORTE 2 ROAD CONCESSION



Client

Neoingeniería S.A.S.



Year

2021 – Bogota



Country

Colombia



Services

Specialized consulting for analysis of urban planning and dry utilities studies and designs included in the Accenorte 2 public tender. Development of technical alternatives for feasibility-level cost estimation and CAPEX/OPEX sensitivity and scenario analysis.

7

Functional Units: 17.9 km total (5.8 km Autopista Norte, 4.9 km Carrera Septima, 7.2 km Perimetral de Sopo)



SOLID



URBAN DESIGN – MEDELLIN

AV. 80 TRAM



Client
ARUP



Year
2017 – Medellin



Country
Colombia



Services
Value engineering and update of feasibility studies for the Av. 80 metro corridor.

13,3 km

of urban design integrating the metro system with its urban surroundings.

17

Stations and potential areas for **Sustainable Transit-Oriented Development (TOD)**



CONNECTION OF TRUNK LINES AND INTERMEDIATE STATION – MIO



Client
GSD+



Year
2017 – Cali



Country
Colombia



Services

Conceptual and functional design of the connection between two trunk lines with an interchange terminal.
Geometric design and coordination of the technical team (traffic, urban planning, dry and wet utilities)

2

BRT
stations

1

Intermediate
station



Improved road
safety conditions



Increased public
space and bike lane
infrastructure



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INFRASTRUCTURE FOR THE METROBÚS SYSTEM



Client

Mobilé



Year

2012 – Panama City



Country

Panama



Services

Conceptual and functional design, detailed functional design, geometric design, and signage design.

2

Depots (Santa
Librada and Albrook)

8

Terminals

22

Stations



SOLID



DESIGN GUIDE FOR SITP ZONAL DEPOTS AND TERMINALS



Client

Sigma GP – Transmilenio S.A.



Year

2018 – Bogota



Country

Colombia



Services

Project Management, Conceptual Design, Detailed Design, and Technical Coordination for the Standard Design Guide for functional modules and infrastructure components of the zonal transport system depots and terminals in Bogota. Includes the analysis methodology for the development of real estate models and their application to specific land use cases.



CEBU BUS RAPID TRANSIT (BRT)



Client

Kunhwa Engineering Ltd & Co



Year

2020 – Philippines



Country

Philippines



Services

Technical Coordination Geometric, Urban, and Operational Infrastructure Design for a 24 km transit corridor

17

Stations

2

Terminals

1

Modal
transfer zone

86

Bus stops

1

Depot
facility

1

Operations
control center

1

Pedestrian
bridge



SOLID



TRANSPORT INFRASTRUCTURE FOR THE SETP OF MONTERIA



Client
Mobilé



Year
2013 – Monteria



Country
Colombia



Services
Data processing, conceptual design,
and pre-feasibility design

4

Integration terminals
with the SETP



Integration with intermunicipal
services and mototaxis



Commercial and
mixed-use areas



SOLID



TRANSMICABLE CIUDAD BOLIVAR



Client
TransMilenio S.A.



Year
2019 – Bogota



Country
Colombia



Services
Technical management, data processing, and support for detailed design for the operational readiness of the Ciudad Bolívar cable car system connection with BRT.

4

Accessible stations
with bike parking and
commercial areas



163 cabins with
a 4-passenger capacity

3.34 km



SOLID

Our Clients





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