PORTFOLIO

2025



tpf ENGENHARIA

Building the world, **better.**



TPF worldwide

TPF is a global engineering consultancy based in Brussels, with operations spanning over 40 countries. Our multidisciplinary team includes approximately 5,000 professionals from various nationalities.

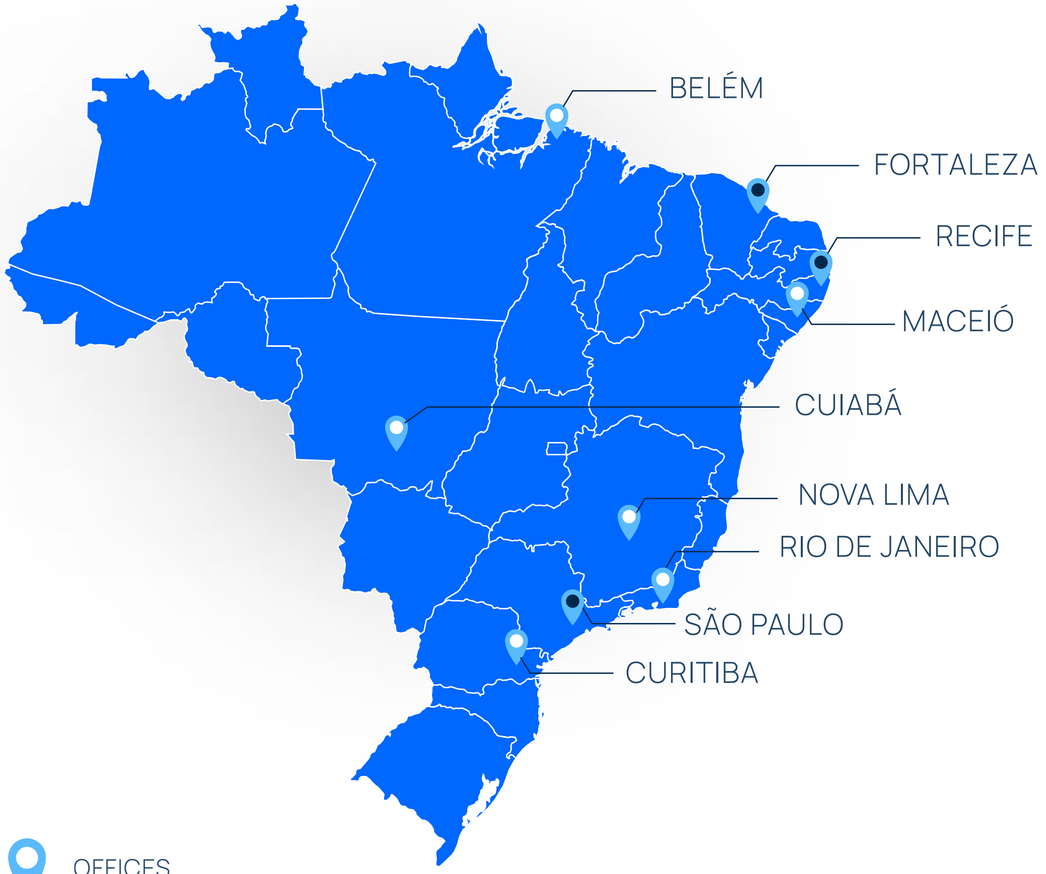
+5000 employees

+€326M in revenue in 2024

Active in **over 40** countries

Countries with active projects

TPF Business Units worldwide



TPF Engenharia

With nearly 60 years of experience in Brazil, **we have been involved in some of the country's largest infrastructure projects**. Our team includes engineers, programmers, technicians, architects, management specialists, and other professionals committed to ensuring client satisfaction.

Commitment to quality, excellence, and continuous improvement

Market leader in technology and innovation

Internally Developed Compliance Procedure (PQ13)

Committed to the 17 UN Sustainable Development Goals

Certified as a Great Place To Work®

ISO Certified

What we do?

We provide consulting, design, project management, supervision, and inspection services across multiple sectors, covering all project stages - from planning to completion.

Planning

- Feasibility studies
- Alternative studies
- Environmental studies
- Preliminary licenses
- Investment planning using Lean, FEL, PMBOK, and AWP methodologies

Design

- Use of drones, laser scans, and 360° cameras for surveys
- Conceptual, basic, and detail designs
- BIM modeling
- Digital twins

Implementation

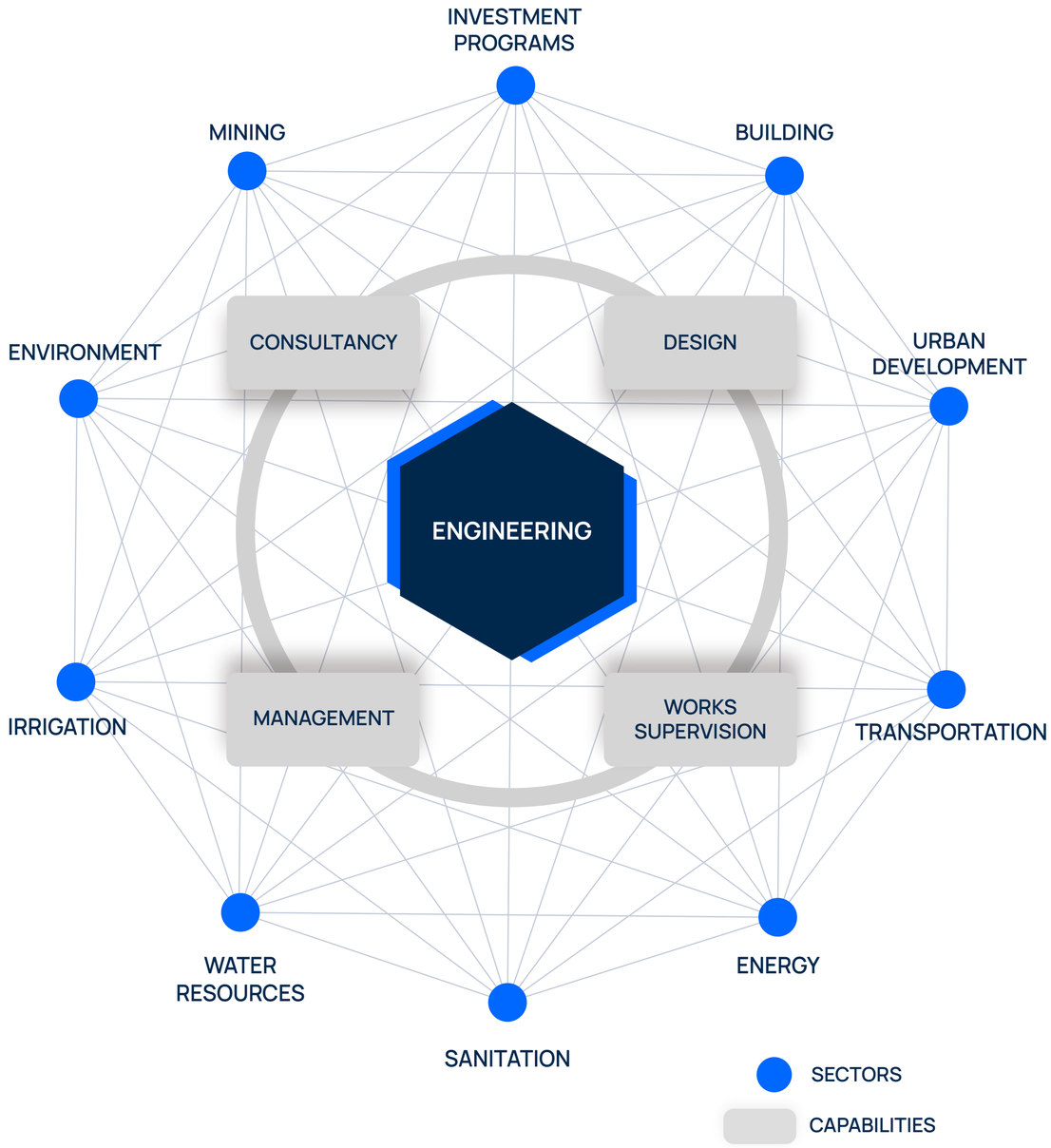
- Environmental and occupational safety supervision and inspection
- Support for managing complex projects and programs
- Installation and operation licenses
- Socio-environmental program execution
- Construction supervision and inspection

Operation and Maintenance

- Independent verifier for concessions and public-private partnerships
- Infrastructure maintenance support
- Engineering of Records

Closure

- As-built documentation
- Dam decommissioning
- Technical support in arbitrations



Sustainability

Our commitment to building a better and more sustainable world is reflected in the way we operate our company and in the way we develop our projects.

Company evaluated by the **EcoVadis and CDP platforms and by the GHG Protocol**

Signatory of the **UN Global Compact in Brazil**

Committed to four of UN Global Compact's initiatives: **Transparência 100%, +Água, Educa2030, and Mente em Foco**

MOVIMENTO TRANSPARÊNCIA 100%
MOVIMENTO EDUCA2030
MOVIMENTO + ÁGUA
MOVIMENTO MENTE EM FOCO

99% of our revenue comes from projects that meet the **UN Sustainable Development Goals**

E

Environmental

Sustainability is a cornerstone of our operations. In 2024, we earned the Gold Seal from the Brazilian GHG Protocol Program, were awarded the Bronze Medal by EcoVadis, and reported our emissions to the Carbon Disclosure Project (CDP).
We incorporate practices into our projects that support our clients in reducing emissions and contribute to environmental preservation.

S

Social

We are partners of social organizations across several Brazilian states. We founded Projeto Compaixão, which fosters empathy in school environments, and Projeto Somar, which promotes the development of public school students in STEM subjects.

G

Governance

We have our own misconduct reporting channel and internal compliance procedure, a policy aimed at ensuring operational integrity and fostering fair relationships between TPF Engenharia and its stakeholders. Our actions are aligned with the pillars of governance and corporate responsibility established by the global TPF Code of Ethics.

2024 Sustainability Report

Learn more about TPF's commitment to sustainability in our latest ESG report

CLICK HERE



Technology and Innovation

We combine technical expertise with a strong innovation mindset to create solutions that drive our clients' success. Our multidisciplinary team works collaboratively and leverages cutting-edge technologies to overcome the unique challenges of each project, using tools such as:

01 Artificial Intelligence
02 Augmented Reality
03 Virtual Reality
04 BIM
05 Drones
06 Automations
07 Data Analytics
08 Business Intelligence
09 Geotechnologies
10 Open Innovation
11 Design Thinking

Plug.

We brought together advanced technology and our project management expertise to create Plug—a robust platform designed to streamline the management of construction works and investment programs.

A system tailored to each client
Our solution is tailored to meet the client's needs — not the other way around.

Cloud-based SaaS
Secure and accessible from any browser

TPF Management Technology
Expertise built on over 55 years in the engineering consulting market

Contract and investment management
2D and 3D project **tracking**
Customizable project approval workflows
And much more

Learn more about Plug and all its features on our website.

CLICK HERE



TPF Labs

Our innovation acceleration program, TPF Labs, is a key driver of innovation at TPF Engenharia. Its mission is to foster and scale creative projects developed by our team.



Pavement.AI and Asset.AI

We develop tools that use Artificial Intelligence to classify pavement quality, identify non-conformities in construction sites, point out slope failures, determine vegetation areas and much more.



BIM (Building Information Modeling)

We have been applying BIM in both building and infrastructure projects since 2008. By integrating this methodology with virtual reality, dashboards, and drone technology, we deliver innovative and high-performing solutions.

Sectors



URBAN DEVELOPMENT



BUILDING



ENERGY



IRRIGATION



ENVIRONMENT



MINING



INVESTMENT PROGRAMS



WATER RESOURCES



SANITATION



TRANSPORTATION

Urban Development

Slopes stability projects in Recife

The project involves studies for slope stabilization and urbanization of risk areas in Recife, covering 154 slopes across 28 neighborhoods.

- Pernambuco



Social Work with communities benefited by Promaben II

Development of social and environmental education projects under Promaben II program, in partnership with the Belém City Hall and the IDB, focusing on sanitation works, urban development, and social initiatives aimed at improving the quality of life in vulnerable communities.

- Pará



Construction management of the Dendê Project

Management of housing construction, sewer network implementation, installation of community facilities, and road paving works under the scope of the Dendê Project.

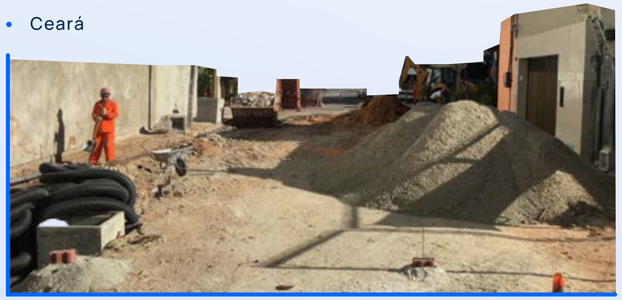
- Ceará



Supervision of the urban planning program "Fortaleza, cidade com futuro"

Supervision of the construction and improvement works of public roads, educational centers, health posts, and public facilities included in the "Fortaleza, cidade com futuro" program.

- Ceará



Supervision of the construction works of the Bairro Novo do Caximba Project

Works supervision of macro-drainage interventions, environmental recovery, and urban infrastructure that are part of the Climate Risk Management Project Bairro Novo do Caximba.

- Paraná



Urban reorganization projects for communities in Recife

Development of urban diagnostics and infrastructure, urbanization, and housing projects for the communities of Irmã Dorothy, Nova Esperança, Beira de Maré, and Aritana, all located in the capital of Pernambuco.

- Pernambuco



Building

National architectural and engineering designs

Development of designs for the construction and renovation of Petrobras buildings throughout Brazil, including building, industrial, port facilities, and condominium infrastructure.

- Brasil



Development of industrial designs

Development of engineering and industrial designs for the installation and improvement of systems for a mining company. The designs cover electrical, automation, mechanical, structural, architectural, and infrastructure engineering aspects, as well as detailed planning for the operation and maintenance of equipment.

- Bahia



Building design projects for São Bernardo do Campo

Development of architectural, engineering, and technical documentation for public works in São Bernardo do Campo. Over 50 projects were developed, covering various public buildings, including the Cultura 4.0 Factory and the city's Ophthalmology Hospital.

- São Paulo



Modernization of the industrial plant of a textile factory

Provision of technical services for cadastral surveys, inspections, studies, diagnostics, designs, and execution plans, focusing on the replacement of machinery to modernize the industrial plant of a textile factory.

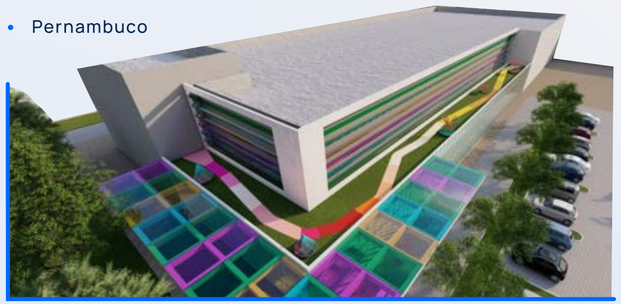
- Bahia



Recife's Children Hospital design

Development of basic and detailed architectural, landscaping, and engineering designs for the construction of the Children's Hospital and the Specialized Rehabilitation Center (CER II) in the city of Recife.

- Pernambuco



Água Espraiada Urban Operation Project

Development of basic and detailed architectural and engineering designs for the construction of the Água Espraiada Social Housing project. The project combines residential and commercial use, aiming to reduce the local housing deficit.

- São Paulo



Energy

Energy Transmission Line works supervision

Energy transmission line works supervision and inspection for installation, modernization, and expansion projects in the Northern Region of Brazil. The contract also includes the review of documents and designs related to the works.

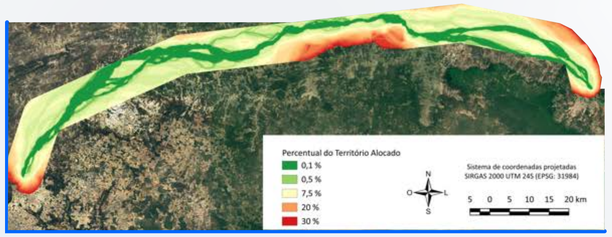
- Brazil's North Region



Transmission Line Route Optimization Study

Development of studies to optimize the route of a transmission line for the Brazilian Electricity Regulatory Agency (ANEEL), using advanced data analysis methodologies and artificial intelligence to identify route alternatives with lower environmental and socio-economic impact.

- Pernambuco



Environmental licensing for solar power plants

Consulting services for the environmental licensing of a photovoltaic solar power plant and the acquisition of water use rights permits for three photovoltaic solar plants. The scope includes preliminary studies for well drilling, pump testing, and water quality analysis.

- Minas Gerais



Technical monitoring of reinforcement works at the Rochedo Hydroelectric Power Plant dam

Technical Works Monitoring to verify the execution of construction works in accordance with the detailed design, identifying any deviations and providing guidance for corrections or adjustments.

- Goiás



Remote works supervision of wind turbine assembly

Remote supervision of wind turbine assembly in a wind farm. The service involved the use of drones, control panels, virtual reality, GeoBIM modeling, and 360o camera capture.

- Brazil



Simplified Environmental Report for the Luiz Dias Lins SHP

Preparation of the Simplified Environmental Report to assess the environmental impact of the “MANOPLA Small Hydropower Plant,” currently named SHP Luiz Dias Lins. The plant has an installed capacity of 5 MW and is located on the Sirinhaém River.

- Pernambuco

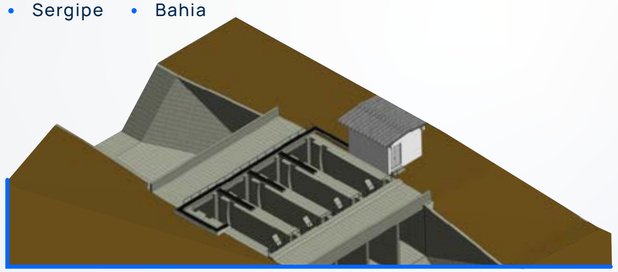


Irrigation

Xingó Canal

Soil survey, land registry, and development of the regional integration study and basic design for the adduction system with a length of 113 km and a flow rate of 31 m³/s, aimed at the multiple use of water resources.

- Sergipe
- Bahia



Salitre Public Irrigation Project

Agronomic technical assistance, development of basic infrastructure designs, and engineering, economic, and legal modeling for the implementation of a Public-Private Partnership (PPP) for the project, which includes 25,000 hectares of irrigable land.

- Bahia



Irrigation of Rural Productive Villages within the São Francisco River Integration Project

Development of detailed designs and technical assistance for the implementation of irrigation systems in 13 villages and in the Truká Indigenous Land, totaling 885 hectares of irrigated area, as well as training and technical support for the irrigators.

- Ceará
- Paraíba
- Rio Grande do Norte
- Pernambuco



Remígio Rojas Irrigation Projec

Agronomic technical assistance, farmer training, support for commercialization, and training for self-management of the operation and maintenance of irrigation infrastructure for 3,200 hectares of irrigated land.

- Panama



Várzeas de Sousa Public Irrigation Project

Soil survey, development of the detailed irrigation and drainage design, agronomic technical assistance, support for commercialization, and operation and maintenance of the irrigation infrastructure for 4,000 hectares of irrigated land.

- Paraíba



Michoacán Hydro-Agricultural Projec

Development of water availability studies and preparation of the detailed designs for the dam and the adduction canal that connects the dam to the productive areas.

- Michoacán, Mexico

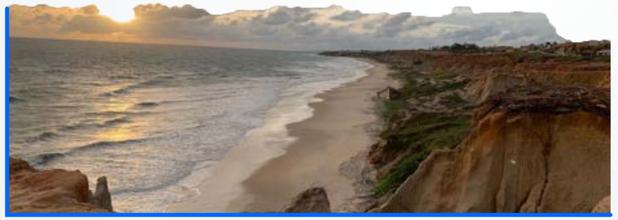


Environment

Ecological-Economic Zoning of the Coast of Ceará

Development of environmental studies and designs, infrastructure planning, and environmental education initiatives to support the creation and implementation of conservation zones in Ceará.

- Ceará



Environmental licensing for solar power plants

Consulting services for the environmental licensing of a photovoltaic solar power plant and the acquisition of water use rights permits for three photovoltaic solar plants, including the execution of preliminary studies and water quality analyses.

- Minas Gerais



Water safety assessment of the Caetité Uranium Province

Assessment of the occurrence of uranium and other radioactive elements in the waters, modeling, and delimitation of the safety perimeter for drilling tubular wells in the Caetité Uranium Province.

- Bahia



Environmental licensing of sanitation projects

Technical support for the environmental licensing of projects and construction works related to water supply and sanitation systems within the Engineering and Innovation Directorate of Sabesp.

- São Paulo



National River Basin Revitalization Program

Formulation of national guidelines and strategies for the preservation, conservation, and restoration of Brazilian river basins, aiming to promote the sustainable use of natural resources and improve socio-environmental conditions.

- Brazil



Basic Environmental Plan for the Agreste Adductor System

Development and monitoring of the environmental programs required to ensure the economic, social, and environmental sustainability of the project. The work includes the implementation and monitoring of environmental conservation, archaeological, and various other programs.

- Pernambuco



Mining

Engineering of Records (EoR)

Management and analysis of dam and dike records, including monthly inspections, instrumentation monitoring, and preparation of Regular Safety Inspection Reports and Stability Condition Declarations.

- Confidential location



Update of the As-Is design

Update of the As-Is design for a tailings dam in preparation for its future decharacterization. The project aims to provide an updated representation of the dam's materials and structure, based on additional geotechnical investigations and technical reinterpretation.

- Confidential location



Study of stockpile alternatives

Development of location and disposal alternative studies for mining tailings for one of the largest mining companies in the world. The study involves evaluating potential areas for tailings disposal, considering local characteristics such as topography, geology, hydrogeology, climatological variables, flood events, and socio-environmental factors.

- Confidential location



Operational Compliance Assessment of the Dam Emergency Action Plan

Assessment of the compliance and operational effectiveness of Emergency Action Plans for Mining Dams, including the analysis of evacuation routes, alarm systems, and other requirements, as well as the issuance of the Declaration of Compliance and Operational Effectiveness.

- Confidential location



Periodic Dam Safety Review

Preparation of the dam safety report, assessing geotechnical, hydraulic, and operational aspects, compliance with standards and regulations, and issuing the Stability Condition Declaration.

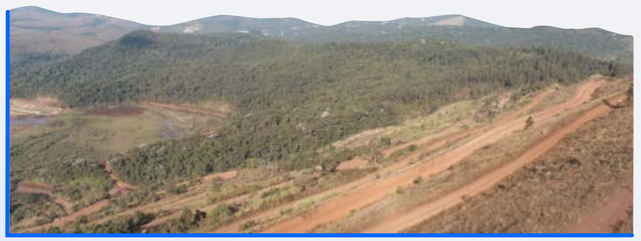
- Confidential location



Regularization of Waste Rock Piles

Development of a design for the compliance of waste rock piles with ABNT NBR 13.029/2024, including geometric and geotechnical studies, drainage solutions, stability analyses, construction phasing, and access road planning.

- Confidential location



Investment Programs

Management of the PROEXMAES II Program

Management of PROEXMAES II, Ceará's healthcare investment program, including supervision of equipment acquisition and construction works for the implementation of hospital units.

- Ceará



Supervision of Urban Redevelopment Works

Supervision of the works under the Urban Redevelopment and Citizen Security Program of Vitória, capital of the state of Espírito Santo, involving slope stabilization, waterfront redevelopment, construction of public buildings, and increase of green areas.

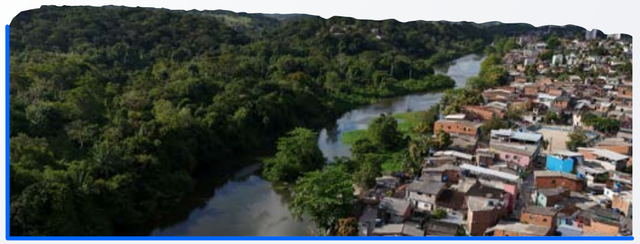
- Espírito Santo



Management of the ProMorar Program

Management of sanitation, drainage, urban and road redevelopment works included in the ProMorar Recife Program. The program aims to promote improvements in the city's risk areas, enhancing its resilience to the impacts of climate change.

- Pernambuco



Monitoring of the Promaben II Program

Planning and monitoring of social actions and construction works under the Estrada Nova Basin Sanitation Program – Promaben II. This includes oversight of drainage works, road infrastructure, and other related interventions.

- Pará



Management of the Qualifor Program

Management and supervision of projects and construction works overseen by the Municipal Infrastructure Department of Fortaleza, including support for the implementation, consolidation, and communication of the Qualifor Program with the beneficiary communities.

- Ceará



Management of the PRODETUR Nacional Bahia Program

Coordination of the PRODETUR Nacional Bahia Program, including monitoring the implementation of the program, construction works, social projects, environmental licensing, and procurement management.

- Bahia



Water Resources

Supervision of the works of the Fronteiras Dam

Supervision of the construction works of the Fronteiras Dam, a project being carried out by DNOCS. Once completed, the dam will have the capacity to store 488.18 million cubic meters of water and will benefit approximately 300,000 people.

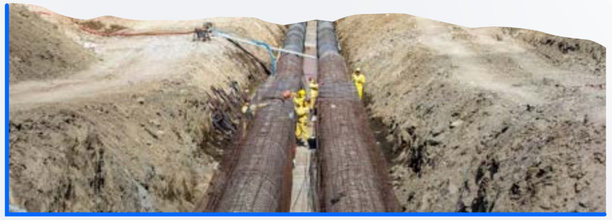
- Ceará



Management and environmental programs for the Agreste Pernambucano Adductor System

Management and supervision of the construction works of the first stage of the Agreste Adductor System in Pernambuco, including water intake at the Ipojuca Dam, treatment, storage, and six adduction pipelines to serve 23 municipalities.

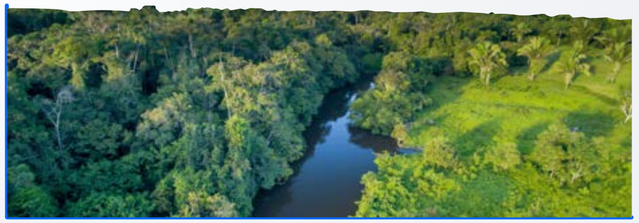
- Pernambuco



Assessment of the aquifers of the Amazonas Hydrogeological Province

Hydrogeological, hydrodynamic, and hydrochemical study of the Amazonian aquifer systems, along with the development of a proposal for the implementation of a project aimed at environmental protection and the sustainable management of groundwater resources in Brazil and neighbor countries.

- Brazil's North Region



Works supervision of the Cinturão das Águas do Ceará Adductor System

Supervision works and technological control of the implementation of construction works for Lot B of Section 1 of the Cinturão das Águas do Ceará (CAC). Integrated into the São Francisco River Transposition system, the CAC aims to ensure water supply in the interior of the state.

- Ceará



Water Resources Plan for the Paraguay River Basin

Support for the implementation of the Water Resources Plan for the Paraguay River Basin Region, with a focus on water management, protection of Permanent Preservation Areas, and modeling of actions and investments.

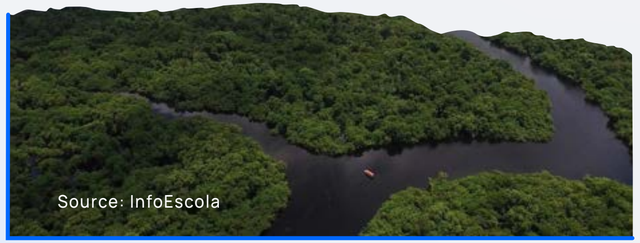
- Mato Grosso
- Mato Grosso do Sul



Studies for the update of Brazil's Water Atlas

Development of studies on water supply across the country, with projections for 2025 and 2035. These studies serve as the basis for updating the information in the ATLAS Brasil – a document aimed at analyzing water security in urban areas.

- Brazil



Sanitation

Project for Socially Vulnerable Communities in Recife

Provision of technical support services to the Sanitation Department of Recife's City Hall for the development of projects focused on Socially Vulnerable Communities.

- Pernambuco



Expansion projects for the sanitary sewage system of Cotia

Development of expansion projects for the sewage network in Cotia and implementation of systems for sludge removal, water recovery, and sludge disposal at the Alto Cotia Water Treatment Plant.

- São Paulo



Expansion projects for the Barra da Tijuca Wastewater Treatment Plant

Development of improvement projects for the Barra da Tijuca Wastewater Treatment Plant, including optimization of preliminary and primary treatment stages, sludge treatment, and odor control.

- Rio de Janeiro



Management of the expansion works of the sanitary sewage system of São Paulo

Management and inspection of construction works for the implementation and expansion of sewage networks, water distribution systems, reservoirs, and treatment plants under the Metropolitan Directorate of Sabesp.

- São Paulo



Expansion project for the Rio Descoberto Water Treatment Plant

The adaptation and expansion projects of the Rio Descoberto Water Treatment Plant — responsible for 50% of the water supply in Brasília — with focus on enhancing water treatment by incorporating a clarification system based on flotation technology. The plant has the capacity to treat up to 6,000 liters of water per second.

- Distrito Federal



Expansion projects for the sewage systems of 24 cities in Ceará

The work involved the development of projects to expand and adapt the Sanitary Sewage Systems of 24 municipalities in Ceará, including the modernization of the São Cristóvão Wastewater Treatment Plant and the cost assessment of the construction works.

- Ceará



Transportation

Development and update of the Master Plan for the Port of Suape

Development of the Master Plan for the Port of Suape, including the analysis of environmental, economic, logistical, social, and infrastructure aspects to support its development.

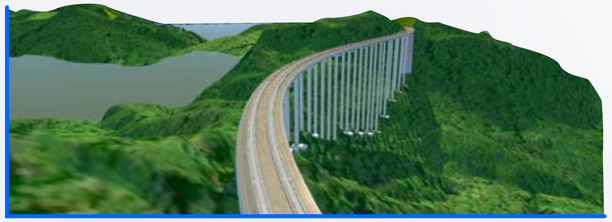
- Pernambuco



Feasibility Study of the Nova Ferroeste Railway

Development of the Feasibility Study for the Nova Ferroeste Railway, covering technical-operational, economic-financial, environmental, and legal aspects, with emphasis on the use of Artificial Intelligence in defining the railway route.

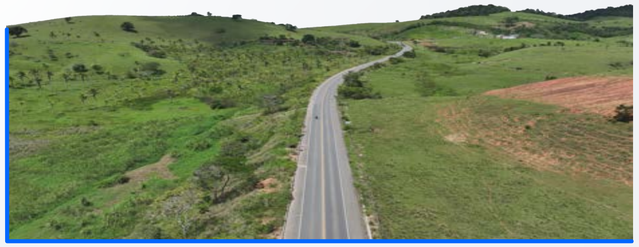
- Mato Grosso do Sul
- Paraná



Management of the PE na Estrada Program

Provision of technical and operational support for the management of the PE na Estrada Program. The contract includes the diagnosis of the road network and the development of a unified system for road management, maintenance, and conservation.

- Pernambuco



Expansion projects for highways BR-452 and BR-365

Development of expansion projects for highways BR-452 and BR-365, including designs for roads duplication, new access, shoulders, signage, and bus stops, covering 900 km and over 40 municipalities in the state of Minas Gerais.

- Minas Gerais



Highway design projects

Development of studies and designs for paving, drainage, signage, land expropriation, access roads, pedestrian overpasses, special engineering structures, buildings, lighting, geotechnics, and landscaping, aimed at improving and expanding infrastructure for various concessionaires.

- Mato Grosso do Sul
- Santa Catarina
- Paraná
- São Paulo



EVTEA of Pernambuco airfields

Development of the Technical, Economic, and Environmental Feasibility Studies for the aerodromes of Caruaru, Fernando de Noronha, and Serra Talhada in Pernambuco. The studies supported the modeling of a public-private partnership for the expansion, management, and maintenance of these assets.

- Pernambuco



TPF

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