



transportation



ENGECORPS



ENGEORPS is a consulting engineering company ready to respond to all the challenges of the country's growth and the globalization of the economy. Interested in maintaining itself well placed in a globalized scenario, ENGEORPS joins operational and technical excellences, world class and competitive costs.

Founded in March 1990, its multidisciplinary staff, with over 200 professionals, have been working together for over four decades, both in the domestic and in the international markets. Over this period, knowledge and experience have been gathered in projects of different complexities, in the various sectors of consulting engineering in which it operates, always standing out for quality and innovative solutions, which confirms its position as one of the leaders in quality and excellence within the Brazilian market. Similar policy is practiced by the TYPASA Group and that justifies its inclusion in that group in August 2009.

ENGEORPS holds back five offices in Brazil: Central Office: Alphaville/ Barueri - SP; Belo Horizonte (MG), Brasilia (DF), Rio de Janeiro (RJ) and Sao Paulo (SP) and two overseas offices: the Dominican Republic and Peru.

main activities

- Water Resources & Environment
- Water Infrastructure
- Environmental Sanitation
- Transportation: Waterways, highways, railroads, subways, harbors and other works connected with fluvial navigation, airports, highway, railroads and subway stations, oil lines, mineral lines, integrated urban systems, transportation corridors and communication systems.
- Energy
- Mining
- Management & Supervision

transportation

The **Transportation** area is directed to the infrastructure construction of roads, railways, airport, pipeline and waterways in order to ensure proper operation of existing systems and service plans and goals for the expansion of various modes of transportation. It includes planning, functional and feasibility studies, basic, final and as built designs, in addition to monitoring and technical assistance to the works, based on existing normative regulations.

ENGEORPS is in this business for 20 years, listing the following **MAJOR WORKS**.

transportation | main PROJECTS

- Basic and final project for the navigation channels in Bariri and Promissão as well as SP-485 highway bridge columns protection in Nova Avanhandava, SP. *CESP*
- Studies and Project for the Tocantins-Araguaia hydro way in the stretch between Xambioá/TO and Marabá/PA. *AHITAR and Nacionarte*
- Study for checking the load flow at Paraná River hydro way, SP, MG and MS. *AHRANA*
- Ivinhema river navigability study, at the stretch from its mouth to upstream from Nova Andradina- Ivinhema junction highway bridge, MS. *AHRANA*
- Basic project for completing the Tucuruí floodgates works, on the Tocantins River, PA. *Ministry of Transportation and AHIMOR*
- Studies and final project for the civil and electromechanical works at Penha, SP floodgate. *Hydroways Department*
- Final project and technical follow-up for the Tucuruí HPP floodgates work, PA. *Camargo Corrêa and ELETRONORTE*
- Equipment inspection and expediting, management and electromechanical final project of Floodgate and bottom discharge on the Tietê river- São Paulo, SP. *DAEE-SP and Calha F2 Consortium*
- Navigation (hydroway) feasibility study on Preto and Grande rivers located downstream from Sobradinho, in the Project for Transposing the Tocantins river basin to the São Francisco river basin, TO and BA. *Ministry of National Integration and FUNCATE*
- Technical studies and interface to the conceptual project for Astialba Shipyard, Venezuela. *Andrade Gutierrez*
- Feasibility studies and draft of works for disposal and confinement of sediments dredged for the recovery and environmental dredging of the access channel and evolution watershed at Cosipa Port Terminal, Cubatão, SP. *USIMINAS*
- Necessities plan for the new terminal area of Cabo Frio (RJ) international airport. *Costa do Sol Airport Operator*
- Basic project for the Waste Treatment Station in Viracopos, Campinas, SP International airport. *INFRAERO*



floodgates, channels,
hydro ways & ports

airports



subway & railways

- Certification and approval of São Paulo (SP) subway Line 4. *Via Amarela Consortium*
- Project for functional adaptation of CPTM's Domingos de Morais and Comandante Sampaio stations, SP. *CPTM*
- Functional, basic and final project for the Pinheiros station in São Paulo, SP subway Line 4. *CMSP and Via Amarela Consortium*
- Final project for the reconstruction of the Pinheiros station (partial) and final project for the Morumbi station (partial) in São Paulo, SP subway Line 4. *CMSP and Via Amarela Consortium*



highways

- Technical advice for foundations liberation – Mário Covas Beltway – South stretch, SP. *LENC, Figueiredo Ferraz, ENGER and MWH*
- Technical and environmental supervision – State highways recovery program – Stage III – Araçatuba – DR-11, SP. *DER-SP*
- Final project for the Platform (locations) containment and recomposition of the SP-123 – Piracuama stretch – Campos do Jordão, SP. *DER-SP*
- Final projects for freeways improvements and duplication, embankments recovery and studies for obtaining environmental licenses – DR5 (Cubatão) and DR8 (Ribeirão Preto), SP. *DER-SP*
- Environmental studies as well as basic and final projects for an uneven device, at SP-55 and SP-98 junction, Bertioiga, SP. *DER-SP and Galvão Constructing Company*
- Final project and technical supervision of the works for the bridge over the future navigation channel downstream from Promissão HPP – BR-153, SP. *CESP*
- Road works final project for the Jequitá I, MG multiple uses reservoir. *CODEVASF*



- Basic project for tunnels between the Dom Duarte Leopoldo and Silva street and the Francisco da Costa Pires avenue, Santos, SP. *Santos City Hall*
- Final project for the Quirino dos Santos bridges and embankments, near Playcenter at Tietê river marginal way, SP. *Jatocret*
- Final Project for the "Via Expressa Linha Amarela" (Yellow Line Expressway) – Lima, Peru. *OAS*
- Final project and technical supervision of the works (straightening and heightening) for the Maria Amália Lopes de Azevedo Avenue, SP. *Public Ways Bureau – SVP/PMSP and Cappellano Constructing Company*
- Final project and technical supervision of the works (recovery and stabilization) for the Luiz Parizotto street– Inhumas Brook, SP. *Public Ways Bureau – SVP/ PMSP and Encalso Engenharia*

urban road system





a Global consulting group



transportation

industrial parks
shopping centres
office buildings & business parks
land development
residential complex & sports complex
universities & educational centres
hospitals & health care centres

environment & water quality

river basin management
inventory & analysis of irrigated land
irrigation networks
water supply & sewage networks
water treatment & purification
desalination plants
dams & reservoirs | hydroelectric power plants

renewable energy

TYPSA Engineers, Consultants and Architects is a consulting engineering firm based in Spain with more than 40 years of experience successfully executing major infrastructure projects in Europe, the Americas, Africa and the Middle East to improve and sustain enhanced living conditions around the world.

Founded in 1966, TYPSA is now one of the largest Spanish consultancy companies in its field, and a national leader in the exporting of consultancy services in civil engineering, according to the *Engineering News Record* (ENR).

transport planning
infrastructure management
roads & motorways
railways & tramays | metro systems
airports & ports

architecture, building engineering & urban planning

environmental engineering
forestry engineering
solid & industrial waste treatment
water quality monitoring (labs)

water management & hydraulic engineering

wind farms | thermo-solar & photovoltaic |
farms hydroelectricity | biomass



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