



water resources  
& environment



**ENGE**CORPS



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 Infrastructure
- Environmental Sanitation
- Energy
- Water Resources & Environment: Planning and management of water resources and river basins for multiple purposes, recovery of water reserves, environmental impact assessment (EIA), environmental impact report (EIR), master and monitoring plans, programs for recovery of degraded areas (PRDA), master plans and ecological-economic zoning, environmental management plans.
- Transportation
- Mining
- Management & Supervision

The Water Resources and the Environment area involves the study of surface water or groundwater in nature, available for various uses. This sector encompasses one of the fundamental inputs to the development of social and economic activities of various kinds (power generation, irrigation, transportation, etc.).

However, the economic and population growth and the pursuit of environmental sustainability may entail a limitation on the development, strict fulfillment of human needs and degradation of aquatic ecosystems. Thus, the studies developed in this area include actions aimed at ensuring the standards of quality and quantity of the resource in the light of related legislation.

ENGEORPS has been acting in this segment throughout its 20 years, listing the following MAJOR WORKS.

## water resources & environment

## water resources & environment | main PROJECTS

- Study for the integrated usage of Pernambuco hinterland water resources project and final project of the initial stretch; EIA/EIR for the hinterland channel of Pernambuco, BA and PE. *CODEVASF*
- Basic projects for dams and generation works, the EIA/EIR for the Jequitáí Dams and final project, environmental studies and supervision/inspection of the Jequitáí I (MG) multiple use reservoir. *CODEVASF*
- Environmental management and analysis of sustainable development in the region of APA Tietê as well as the implementation of the Parque das Águas center at the Tietê Ecologic Park – PET, SP. *DAEE*
- EIA/EIR and basic environmental project for the navigation channel of the Ondazul Enterprise, AL. *MMC Group*
- Consultancy in the environmental area, environmental licensing and operation license procurement for the Barra Grande HPP enterprise, SC and RS. *BAESA*
- EIA/EIR for Pernambuco arid region channel and adducting system, PE. *FUNCATE*



## Environmental & studies & licenses



## Macro zoning

- Ecological and economical macro zoning, Environmental planning and Ecological-Economical planning: macro zoning of Vale do Ribeira, SP. *SMA*
- Agro ecological macro zoning project for the west of the state of Bahia, Brazil, BA. *DERBA*







## water resources



## management

- Water resources management instruments for the state of Santa Catarina, Brazil and support to its implementations, SC. *World Bank and Secretariat for Social, Urban and Environment Development (SC)*
- Water users' registration and improvement of the system of the water resources grants in the state of Espírito Santo (ES). *IEMA*
- Water resources use rights granting manual, to guide the water use right granting mechanism – Secretariat of Water Resources, of the Ministry of Environment, of Water Resources and Legal Amazon. *FUNARBE*
- Hydrologic and operational studies at the Piracicaba river basin, targeting the expansion of the concessions for the Paulínia refinery – REPLAN, SP. *PETROBRÁS*
- Support to the implementation of water use charge at UGRHI 6 – Alto Tietê, SP. *FCTH*
- Project for implementing the water resources multiple uses geo-referenced information system on the São Paulo state (SP). *DAEE*

## planning

- Development of the water resources portfolio for the northeast. *Ministry of Budgets and Management and Booz Allen*
- Update of the Avança Brasil (Forward Brazil) (2007/11) plan of investments portfolio, in the areas of water resources and sanitation. *Ministry of Planning and Budgets and Monitor of Brazil*
- Actions program for the area of influence of the Paulínia refinery (REPLAN, SP). *PETROBRÁS*
- Evaluation of water supply alternatives for the Paulínia refinery – REPLAN, SP. *PETROBRÁS*
- State plan for water resources and use charge regulation in the state of São Paulo, SP. *DAEE*
- Water resources master plan, proposal for Water Bodies Classification in the XIV – Camaragibe and XV Northern Coast hydrographic regions, AL. *SEMARH*
- Priority works atlas for the semi-arid region, update/enhancement of the Northeast atlas, Metropolitan regions atlas and water urban supply for the Brazilian atlas. *ANA*
- Feasibility of transposing waters from the São Francisco to the northern semi-arid region and basic project for the 1<sup>st</sup> stretch of works (Cabrobó-Jati), PE and CE. Ministry of Regional Integration and *FUNCATE*



# 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



Engecorps Engenharia S.A.

CENTRAL OFFICE: Alameda Tocantins 125, 4<sup>th</sup> floor - 06455-020 - Alphaville - Barueri - SP - Brazil

Tel: 55 11 2135 5252 - Fax: 55 11 2135 5244 - Email: [comercial@engecorps.com.br](mailto:comercial@engecorps.com.br)

OFFICES: Sao Paulo Belo Horizonte Brasilia Rio de Janeiro Dominican Republic Peru

[www.engecorps.com.br](http://www.engecorps.com.br)

---

### TYPSA Group

---

Spain: Madrid Andalusia Aragon Asturias Catalonia Castilla Galicia La Mancha Levante Basque Country

---

INTERNATIONAL: USA: Arizona ■ California ■ Florida ■ Nevada ■ Texas

Europe: Bucharest (Romania) ■ Lisbon (Portugal) ■ Sofia (Bulgaria) - Africa: Casablanca (Morocco) ■ Kampala (Uganda)

Latin America: Asuncion (Paraguay) ■ Buenos Aires (Argentina) ■ Mexico City (Mexico) ■ Lima (Peru)

Managua (Nicaragua) ■ Panama (Panama) ■ Quito (Ecuador) ■ Santa Cruz de la Sierra (Bolivia) ■ Sao Paulo (Brazil)

Tegucigalpa (Honduras) - Middle East: Dubai (United Arab Emirates) ■ Riyadh (Saudi Arabia)

■ [www.typsa.com](http://www.typsa.com) ■