



## Construction and Urban Development



ENGE CORPS 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, ENGE CORPS 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 TYP SA Group and that justifies its inclusion in that group in August 2009.

ENGE CORPS 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
- Construction and Urban Development: Construction works planning, management and supervision, basic and final designs, and preliminary studies of industrial, commercial and institutional constructions, architectural projects, structural and environmental comfort calculations, landscape architecture designs for squares, parks and the recovery of degraded areas, urban insertion studies.
- Transportation
- Mining
- Management & Supervision

## Construction and Urban Development

Construction and Urban Development encompass activities related to the study, regulation, control and planning of the city, in addition to the art and technique of designing and creating the environment inhabited by human beings. Its purpose is to organize space and its elements as well as solving issues related to the use and occupation of land, especially in urban areas. It has a multidisciplinary character, within a social context of growing demographic pressures, facing demands and issues related to civility and sustainability.

ENGE CORPS has been active in this segment for over 20 years, highlighting the following projects:

# Construction and Urban Development

## main PROJECTS

- Basic and Final Designs of the Buildings of Residencial Penedo Mata Atlântica, Itatiaia, Rio de Janeiro, Brazil. *Riacho Novo Empreendimentos Imobiliários and Acciona Empreendimentos*
- Memorial of the Wind Farm of Tramandaí, Rio Grande do Sul, Brazil.  
*EDP Renováveis Brazil*
- Final Design of the Command and Control Building of the Penha Lock, São Paulo, Brazil.  
*Water Transport Department of the State Government of São Paulo*
- Management and Supervision Works of Banco Santander Data Processing Center, Campinas, São Paulo, Brazil.  
*Banco Santander Brazil*
- Project Quality Control (PQC) of the Industrial Plant of Brasília, Federal District, Brazil.  
*Medley do Brasil / Sanofi-Aventis*
- Onda Azul Project and Marina at Barra do Rio Cotegipe, Brazil.  
*MMC Group*
- Final Engineering Design for the Functional Suitability of Domingos de Moraes and Comandante Sampaio existing train stations, São Paulo, Brazil.  
*Companhia Paulista de Trens Metropolitanos*

architecture







Porto Maravilha



Olaria Reservoir



Penedo Residencial



Revitalization of the Tietê River

# urbanism

- Basic and Final Designs of Parque Reservatório Olaria, São Paulo, Brazil. *Water and Electricity Department (DAEE-SP)*
- Design of Construction Works for Tunnels, demolition of the Perimetral Overpass and harmonization of the designs related to the Revitalization of the Waterfront Area (Porto Maravilha) of the Metropolitan Region of Rio de Janeiro, Brazil. *Porto Rio Consortium*
- Urbanization of Residencial Penedo Mata Atlântica, Itatiaia, Rio de Janeiro, Brazil. *Riacho Novo Empreendimentos Imobiliários and Acciona Empreendimentos*
- Final Designs and Urbanism, Earthworks, Drainage, Sewage System and Water Supply - Barão de Antonina, Serra Azul, Irapuru and Lucianópolis. *Cia. de Desenvolvimento Habitacional e Urbano-CDHU*
- Final Design of Construction Works for the relocation of João André Port in the municipality of Brasilândia, Mato Grosso do Sul, Brazil. *Construções e Comércio Camargo Corrêa*
- Final Design of the Municipal Recreation Area in Anaulirândia at the Reservoir Basin of UPP-CESP, Mato Grosso do Sul, Brazil. *Cia. Energética de São Paulo-CESP*
- Final Design of Parque da Orla in Presidente Epitácio and Parque do Povo, São Paulo, Brazil. *Cia. Energética de São Paulo-CESP*
- Engineering Studies and Designs for the Genesis II lots. *Takaoka Empreendimentos*

# landscaping

- Cut and Hillside Resloping Design and Landscaping of SP-98 Highway, Mogi das Cruzes – Bertioga Section, São Paulo, Brazil. *Highways Department (DER-SP)*
- Landscape Design of SP-55 and SP-98 Highways Junction. *Highways Department (DER-SP)*
- Engineering and Landscape Design for Hillside Stabilization Works at Caruxa Street, Morro da Lua. *Local Government of São Paulo – Public Ways Department (SVP)*
- Feasibility Studies for the Recovery and Revitalization of Tietê River and its surroundings, upstream from Penha Dam to Mogi das Cruzes. *Water and Electricity Department (DAEE-SP)*



# a Global consulting group



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).



## transportation

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

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

## architecture, building engineering & urban planning

## environment & water quality

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

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

## water management & hydraulic engineering

## renewable energy

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



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