



infrastructure



Leader in consultative engineering,
integrity and technical excellence

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ENGE CORPS

GrupoTYPESA

ENGE CORPS Engineering S.A. is a consulting company whose mission is to develop projects, seeking to optimize the benefits generated by engineering services, without losing sight of its commitment to social and economic development. Founded in 1990, ENGE CORPS has been continuously participating in various projects, always standing out for its quality and innovative solutions in the various segments in which it operates. This makes it one of the leading companies in quality and competition within the Brazilian market.

In 2009 it was incorporated by the TYPESA Group, which is one of the European consultancies with the most experience in the development of infrastructure projects. Since its foundation in 1966, the group has been participating in the development of activities such as planning, projects, supervision and management of important works and investments in the civil field, such as architecture, renewable energy and the environment, in Europe, America, Africa, Middle East, Asia and Oceania.

The ENGE CORPS Quality Management System, which brings together the concepts of good corporate governance, complies with the ABNT ISO 9001:2015 standard and is certified by Vanzolini Foundation. ENGE CORPS also has an Integrity Management System, which follows the guidelines of the TYPESA Group, with the necessary adaptations to the legal requirements in Brazil. With this system, ENGE CORPS adopts self-regulation measures for ethical and legal behavior in its governance, mainly including its business prospecting processes and the execution of its work.

The company's experience, together with the great technical solidity of its professionals, allows the company to operate at different levels of consulting engineering, such as planning and management studies, feasibility studies, design studies, basic and final designs, technical monitoring of works, projects as built - "as built", project quality certification and management and supervision of programs, projects and enterprises in the sectors:

areas of expertise



water resources and hydraulic works



sanitation and environment



buildings and airports



energy and mining



highways, metros and railways



ports and waterways

ENGE CORPS has tools and software from the Autodesk AEC Collection, containing AutoCAD, AutoCAD Plant 3D, Civil 3D, Revit, Navisworks, InfraWorks 360, Inventor, among others, in their latest available versions (2020 or 2021). It should be noted that the company has been developing projects on the BIM Platform since 2014.

transport | main PROJECTS

- Final design for the duplication of the Tamoios Highway in the Mountain section. *Construtora Queiroz Galvão*
- Functional, Basic and Final Designs of the Campos do Goytacazes road contour.
Highway Fluminense - ARTERIS, RJ
- Functional and Final Designs of Tolls and handles on the Tamoios Highway. *Concessionária Rodovia dos Tamoios S.A., SP*
- Final Design and ATO of Subsections 14 and 15 of the North Section of the Mario Covas Ring Road.
Development Rodoviário S.A. - DERSA, SP
- Studies and Designs for the High Speed Train - TAV - Campinas, São Paulo, Rio de Janeiro.
Odebrecht, OAS and Queiroz Galvão Consortium
- Basic and Final Designs of the Jardim Belval and Jardim Silveira Train Stations. *São Paulo Metropolitan Train Company - CPTM, SP*
- Final Reconstruction Design of the Pinheiros Station of Line 4 - Yellow of the São Paulo Metro. *Via Amarela Consortium*
- Final Design of the Permanent Track of Lot 3 of Line 5 - Lilac of the São Paulo Metro.
Construtora Andrade Gutierrez / Camargo Corrêa Consortium
- Final design for the revitalization of Porto Maravilha, in Rio de Janeiro. *Porto Rio Consortium*
- Basic and Final Design of the On-Shore Infrastructure Works in the Astialba Shipyard, in Venezuela.
Construtora Andrade Gutierrez S.A.
- Basic and Final Designs of the Tucuruí Locks.
Construction and Commerce Camargo Corrêa, PA
- Final Design of the Penha Lock, in the Metropolitan Region of São Paulo. *Waterway Department of the Secretariat of State for Logistics and Transportation of the State of São Paulo*
- Conceptual and Final Design of Geometry and Permanent Track of Line 6 - Orange of the São Paulo Metro.
Express Line 6 Consortium.

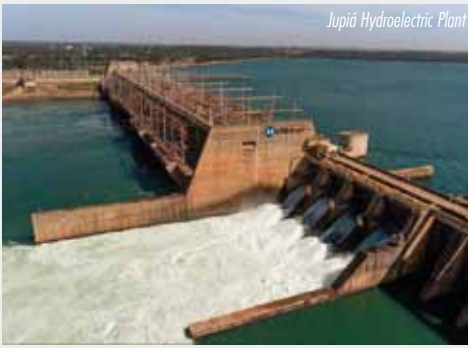
highways, railways, ports and waterways



energy | main PROJECTS

energy

- Owner's Engineering of the Ilha Solteira and Jupuí Hydroelectric Power Plants. *China Three Gorges Corporation – CTG Brasil, SP*
- Feasibility Study of the Apertados, Comissário, Ercilândia and Foz do Piquiri Hydroelectric Power Plants. *COPEL - Paranaense Energy Company, PR*
- Local Engineering Firm for Cana Brava Hydroelectric Plant. *Inter-American Development Bank, GO*
- Basic and Final Designs of Multiple Uses Jequitá I and II. *São Francisco and Parnaíba River Valley Development Company - CODEVASF, MG*
- Analysis and Audit Services for the Implementation of AHE Barra Grande. *Energética Barra Grande S.A. - BAESA, SC*
- Final Design of PCH São Jerônimo. *BRASCAN Energy, PR*
- Basic and Final Designs of the Carrizal Hydroelectric Power Plant (Bolivia). *National Electricity Company - ENDE Corporation*
- Review of the Studies and Final Design of the Hatillo Hydroelectric Power Plant (Dominican Republic). *Dominican Hydroelectric Generation Company - EGEHID*
- Final Design of the Tramandaí Wind Farms. *EDP Renováveis Brasil S.A., RS*
- Final Design of the Cumarú and Lagoinha Wind Farms. *Enel Green Power, RN*
- Basic and Final Designs of the Delfina Wind Farm. *Enel Green Power, BA*
- Basic Design and Technical Assistance of the Serra das Almas/Babilônia Wind Farm. *AES Brazil, BA*
- Final Design of the Coremas Photovoltaic Park. *WEG Electrical Equipment S.A., PB*
- Supervision and Technical Assistance to the Wind Farms of the Central Babilônia Eólica Babilônia S.A. Complex.
- Development of the Fonte dos Ventos II Civil Wind Power Final Design. *Enel Green Power*
- Development of the Morro do Chapéu Sul III Wind Farm Basic Civil Design. *Enel Green Power.*

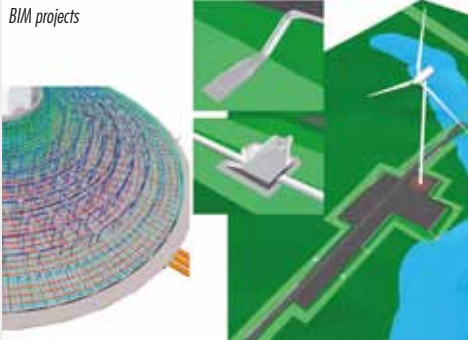


Jupuí Hydroelectric Plant



Tramandaí Wind Farm

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BIM projects



COREMAS (Illustrative Image)



mining | main and airports PROJECTS

mining
airports

- Studies for the expansion of the Cerrejón Mining Complex.
CNO Colombia
- Conceptual, Basic, Final and ATO Design of the Brucutu North Mine.
VALE S.A., MG
- Basic and Final Designs of the Forquilha IV and V Mining Dams.
VALE S.A., MG
- Final Design for the Adaptation and Recovery of the Timbopeba Dam Spillway.
VALE S.A., MG
- Conceptual and Final Designs of the Potreiro Dam, at the Factory Mine in Ouro Preto.
VALE S.A., MG
- Final Design of Terminal 3 of Guarulhos Airport. Guarulhos S.A. International Airport Concessionaire - GRU Airport, SP
- Draft and Basic Design of Salvador Airport.
Salvador Airport Concessionaire S.A., BA
- Support to the Confins Airport Masterplan.
CCR Group, MG
- Basic and Final Infrastructure Design of the Florianópolis Hercílio Luz Airport.
Rational Engenharia Ltda, SC
- Final Design of the LATAM Maintenance Center, at the Guarulhos Airport.
TAM Linhas Aéreas S.A., SP
- Basic and Final Design of the Helicopter Passenger Terminal at Cabo Frio Airport.
COSTA DO SOL Operadora Aeroportuária S.A., RJ



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