EDP - Gestão da Produção de Energia, S.A.

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Corporation form
Joint-stock company

Registered Capital (December 2023)
449.343.195 Euros

Board of Directors
- Ana Paula Marques, Chairman
- Maria Clara Maia, Board Member
- Joana Oliveira Freitas, Board Member
- Pablo Arguelles Tuñon, Board Member
- Diogo Leal Faria, Board Member

Directors
Areas of Engineering and Competence Center for Conventional Generation (CoC), Directions of Optimization and Maintenance Hydro (DOH) and Thermal Assets (DOT) and Directions of Decommissioning (DES) and H2 and Innovation (DHI)
- Ana Paula Moreira, Eng.
- Vitor Ribeiro, Eng.
- Manuel Oliveira, Eng.
- António Gonçalves, Eng.
- Bruno Travassos, Eng.
- Pedro Miguel Oliveira, Eng.

Permanent personnel (Engineering)

Total:	190
Graduates:	131
Other technicians:	55
Administrative staff:	4

Turnover (global 2023)
1.249.107.000 Euros

Engineering activities (2023)
11.392.640 Euros

Main associations
- Cogen Portugal
- CICIND – Int. Committee Ind. Stacks
- APAE – Port. Ass. Eng. Assessment
- APPC – Port. Ass. Engineering and Management Consultants
- CNPGB – Port. Committee Great Dam
- ICOLD – Int. Committee Great Dam
- Int. POWERGEN - Committee Program Conference
- Geodesic Portuguese Society
- SPSI – Safety and Prevention
- Building Institute
- CPBE – Port. Group Structural Concrete
- IHRH – Hydraulic Inst. Hydro Resources
- APAET – Port. Association of Experimental Tensions Analyses
- VGB (Verein Grosskraftwerk Betreiber) PowerTech e.V.
- Portuguese Electro-technical Institute - CTE2 - Rotating Machines
- IPQ - Portuguese Quality Institute - CT3 - Paints, varnishes, coatings by painting

Certifications
Quality Management System according with the Norm NP EN ISO 9001, granted by APCER

General description

EDP Produção is a company of EDP Group dedicated to the direct or indirect promotion and management of installations, undertakings and other activities in the scope of energy generation and selling, particularly electricity, to the execution of studies and projects in the same area, and also to supply any other services related, investing in digitalization and the adoption of new technologies focused on operational efficiency and increased productivity. EDP Produção is committed to innovation values to achieve decarbonization goals and has been developing autonomously and/or in consortium with technological companies and other utilities, more efficient forms of "traditional" production, as well as new hybrid production systems. The engineering capacities and technicians are concentrated in the Areas of Engineering and Competence Center for Conventional Generation and in the Optimization and Maintenance Hydro and Thermal Assets Directions, comprising diversified activities, from early stage studies and projects to the global management and contracting, associated to work supervision and surveillance and also to rehabilitation and technological reconversion, particularly in electricity generation areas.

Main expertise
- Basin master plans for hydropower development
- Studies and design of hydroelectric and thermal power plants, and innovative technologies for electricity generation from renewable sources, floating solar, hybridization of generation and flexibility systems associated with hydro groups
- Studies and design regarding optimization, rehabilitation, technological upgrading, power uprating of hydro and thermal electric power plants and environmental re-conversion of thermal power plants
- Global Project management, Contract management and site surveying supervision of construction works
- Commissioning and tests
- Hydraulic and operational safety control of dams and other hydraulic structures
- Underwater inspection using ROV

Services
- Studies, conception and design engineering
- Optimization, operation and maintenance engineering
- Project management
- Hydraulic and operational safety control of dams and other hydraulic structures
- Equipment material tests

Significant last works
- Alto Lindoso, Touvedo, Caldeirão, Alqueva, Pedrogão, Baixo Sabor, Foz Tua, Ribeiradio/Ermida and Fridão hydroelectric developments and power upgrading of Miranda, Picote, Bemposta, Alqueva, Salamonde and Venda Nova (Frades I and Frades II) developments – studies, project, contracting, management, surveying, supervision of surveying and project supervision
- Power upgrading/refurbishing of Pracana, Cefra, Guilhofrei, Ponte Jugais, Santa Luzia and Vila Cova hydroelectric developments - studies, project, management, surveying
- New spillway for the hydroelectric development of Paradela and of Caniçada, new dam for the development of St Luzia - studies, project, contracting, management, and surveying supervision
- Repowering of the Caniçada hydroelectric develoment
- Padroselos, Alto Tâmega, Daivões, Gouvães and Carvão Ribeira hydroelectric developments and power upgrading of Pedrógão, Paradela and Alto Rabagão – several studies and projects
- Sines, Pego, Ribatejo, Lares and Barreiro cogeneration thermal power plants - study, project supervision, management, surveying
- Mortágua Ampliation and Cabeceiras de Basto biomass power plants - studies and activities for contract management
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- Sines Thermoelectric Power Station Environmental Regeneration and DCS refurbishing – study, project supervision, management and surveying
- Deactivation of Barreiro, Setúbal, Carregado and Tunes thermal power plants - studies, management and project and surveying supervision
- Basins plans of several rivers - Lima, Cávado, Ave, Leça, Douro, Tejo and Ribeiras do Oeste
- Participation in the elaboration of the "Recommended Practice for Floating Solar Power Plants"
- Installation of Battery Storage Systems (BESS) on the islands of Terceira, São Miguel and Santa Maria, Azores - Consulting
- Installation of Floating Photovoltaic Systems in Alto Rabagão and Alqueva reservoirs and the BESS associated with the latter
- Study of hybridization systems wind+solar, hydro+solar and Virtual Power Plants
- Participation in the hydroelectric flexibility project sponsored by the European Community - Horizon 2020 Fund
- Participation in the consortium of 13 companies and research partners in GreenH2Atlantic to develop a 100 MW green hydrogen production project in Sines
- Pilot project at Ribajeto CCGT to demonstrate the potential of combined cycle power plants to become more flexible using hydrogen – FLEXnCONFU

International experience
- Master plans regarding rehabilitation and development of the electric system of Angola and rehabilitation project of the hydroelectric developments of Matala, Lomaum and the Biópio's Groups
- Dchar El Oued and Ait Messaoud hydroelectric power plants – first stage of studies
- Ipueiras, Tupirantins and Peixe Angical (Brazil) hydroelectric developments - feasibility studies; Couto Magalhães hydroelectric development and Araraquara thermal power plant (Brazil) - tender design; Fafen cogeneration power plant (Brazil) – project
- Thermal power plant of Coloane A (Macau-China) – emission's reduction
- Soto Ribera (Soto 4 e Soto 5) and Castejón 2 combined cycle power plant (Spain) – study, project supervision, management and surveying
- Environmental Regeneration of Aboño and Soto Ribera (Spain) thermoelectric power stations - study, project supervision, management and surveying of SCR System
- Pecém Pulverized coal fired power plant (Brazil) – technical assistance in the construction and in O&M
- Soyo combined cycle power plant (Angola) - technical assistance for feasibility studies, preliminary design and tender design and procurement documents
- Technical due diligence of several Hydropower Projects including the AHE São Manoel
- Preliminary technical opinion on hydropower projects in Latin America (e.g. Santa Maria, Tingo, Molloco in Peru)
- Auditing the O&M services of Chicapa I hydropower plant, Angola
- Coordination and supervision of technical and environmental due diligence of Marañon, San Gaban III, Angels (I, II e II), La Joya and Chagla hydropower plants in Peru and follow-up of technical due diligence of Talasa project (CAA, CAB and CARG plants), in Colombia
- Coordination, supervision of inventory studies for greenfield development and construction of hydropower plants in Peru

APPC
PORTUGUESE ASSOCIATION OF ENGINEERING AND MANAGEMENT CONSULTANTS

Last update: 26-05-2022