



<div><div>EDP</div><div>- Gestão da Produção de Energia, S.A.</div></div> <div><div>Avenida 24 de Julho, 12</div><div>1249-300 LISBOA</div><div>Tel.: (351) 21 001 21 00</div><div>Fax: (351) 21 001 23 20</div><div>E-mail: edpproducao@edp.pt</div><div>Web site: www.edp.pt</div></div>	<div><div>Corporation Form</div><div>Joint-Stock Company</div></div> <div><div>Registered Capital</div><div>1.650.000.000 Euros</div></div> <div><div>Board of Directors</div><div>Rui Teixeira, Eng., Chairman</div><div>António Ferreira da Costa, Eng.</div><div>Maria Clara Maia, Eng.</div><div>Miguel Mateos Valles, Eng.</div><div>Pedro Neves Ferreira, Grad.</div></div> <div><div>Directors</div><div>EDN - Areas of Engineering and Business Developments</div><div>António Gonçalves, Eng</div><div>Carlos Cavaleiro, Eng.</div><div>Fernando Barbosa Teixeira, Eng.</div><div>Luís Lopes Santos, Eng.</div><div>Manuel Alberto Oliveira, Eng.</div><div>Vitor Ribeiro, Eng.</div></div> <div><div>Permanent Personnel (EDN)</div><div>Total: 163</div><div>Graduates: 131</div><div>Other Technicians: 22</div><div>Administrative Staff: 10</div></div> <div><div>Turnover (global 2017)</div><div>1.464.931.565 Euros</div><div>Engineering activities (2017)</div><div>18.520.000 Euros</div></div> <div></div>
<div><div>Main Associations</div><div><div>• Cogen Portugal</div><div>• CICIND – International Committee of Industrial Stacks</div><div>• APAE - Portuguese Association for Engineering Assessment</div><div>• APPC – Portuguese Association of Engineering and Management Consultants</div><div>• CNPGB – Portuguese Committee of Great Dam</div><div>• ICOLD – International Committee of Great Dam</div><div>• International POWERGEN - Committee Program Conf.</div><div>• Geodesic Portuguese Society</div><div>• SPSI – Safety and Prevention</div><div>• Building Institute</div><div>• CPBE – Portuguese Group of Structural Concrete</div><div>• IHRH – Hydraulic Inst. of Hydro Resources</div><div>• APAET – Port.Association of Experimental Tensions Analyses</div><div>• VGB (Verein Grosskraftwerk Betreiber) PowerTech e.V., associação técnica internacional ligada à produção de energia eléctrica e calor</div><div>• Inst. Electrotécnico Português – CTE2 – Máquinas Rotativas</div><div>• IPQ – Inst. Português da Qualidade – CT3 – Tintas, vernizes e revestimentos por pintura</div></div></div> <div><div>Certifications</div><div>• Quality Management System according with the Norm NP EN ISO 9001, granted by APCER</div></div> <div></div>	<div><div>General Description</div><div>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.</div><div>The engineering capacities and technicians are concentrated in the IEP - Portfolio Internationalization and Expansion Areas comprising diversified activities, from the 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.</div></div> <div><div>Main Expertise</div><div><div><div>• Basin master plans for hydropower development</div><div>• Studies and design of hydroelectric and thermal power plants</div><div>• Studies and design related with the exploitation of renewable energy sources</div><div>• Studies and design regarding rehabilitation, technological upgrading and power uprating of electric power plants and environmental re-conversion of thermal plants</div></div><div><div>• Integrated project management</div><div>• Contract management and site surveying supervision of construction works</div><div>• Commissioning and tests</div><div>• Structural safety monitoring and control of dams, underground works, buildings and other special structures</div><div>• Hydraulic and operational safety control of dams and other hydraulic structures</div></div></div></div> <div><div>Services</div><div><div>• Conception and design engineering</div><div>• Exploitation engineering</div><div>• Project management</div><div>• Hydraulic and operational safety control of dams and other hydraulic structures</div><div>• Equipments material tests</div></div></div> <div><div>Significant Last Works</div><div><div><div>• Alto Lindoso, Touvedo, Caldeirão, Alqueva and Pedrogão hydroelectric developments and power upgrading of Miranda and Venda Nova (Frades) developments – studies, project, management and surveying</div><div>• Power upgrading/refurbishing of Pracana, Cefra, Guilhofrei, Ponte Jugais, Santa Luzia, Vila Cova hydroelectric developments - studies, project, management and surveying</div><div>• Dams and hydraulic circuit and power station (Escalão de Montante) for the hydroelectric development of Baixo Sabor, hydraulic circuit and power station for the hydroelectric development of Foz Tua, power upgrading of Picote, Bemposta and Venda Nova (Venda Nova III) developments, new spillway for the hydroelectric development of Paradelas, new dam for the development of St Luzia and complementary spillway for the hydroelectric development of Caniçada - studies, project, management and surveying supervision</div><div>• Ribeiradio/Ermita hydroelectric development, hydraulic circuit and power station for the hydroelectric development of Baixo Sabor (Escalão de Jusante), dam for Foz Tua development and power upgrading of Alqueva and Salamonde developments - studies, management and project and surveying supervision</div></div><div><div>• Alvito hydroelectric development - studies, project supervision and contract management</div><div>• Padroselos, Alto Tâmega, Daivões, Gouvães and Carvão Ribeira hydroelectric developments and power upgrading of Pedrogão, Paradelas and Alto Rabagão – several studies and projects</div><div>• Fridão hydroelectric development - studies, management and project supervision and revision project.</div><div>• Sines, Pego, Ribatejo, Lares and Barreiro cogeneration thermal power plants - study, project supervision, management and surveying</div><div>• Mortágua Ampliation and Cabeceiras de Basto biomass power plants - studies and activities for contract management</div><div>• Sines Thermoelectric Power Station Environmental Regeneration and DCS refurbishing – study, project supervision, management and surveying</div><div>• Deactivation of Barreiro, Setúbal, Carregado and Tunes thermal power plants - studies, management and project and surveying supervision</div><div>• Basins plans of several rivers - Lima, Cávado, Ave, Leça, Douro, Tejo and Ribeiros do Oeste</div></div></div></div> <div><div>International Experiencie</div><div><div><div>• 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</div><div>• Dchar El Oued and Ait Messaoud hydroelectric power plants – first stage of studies</div><div>• Ipueiras, Tupirantins and Peixe Angical (Brazil) hydroelectric developments - feasibility studies</div><div>• Couto Magalhães hydroelectric development and Araraquara thermal power plant (Brazil) - tender design</div><div>• Fafen cogeneration power plant (Brazil) – project</div><div>• Thermal power plant of Coloane A (Macau-China) - reduction of emission</div><div>• Soto Ribera (Soto 4 e Soto 5) and Castejón 2 combined cycle power plant (Espanha) – study, project supervision, management and surveying</div><div>• Environmental Regeneration of Aboño and Soto Ribera (Spain) thermoelectric power stations - study, project supervision, management and surveying of SCR System</div><div>• Pecém Pulverized coal fired power plant (Brazil) – technical assistance, including in particular the construction and the Operation and Maintenance</div></div><div><div>• Soyo combined cycle power plant (Angola) - technical assistance for feasibility studies, tender design and procurement documents</div><div>• Technical due diligence of several Hydropower Projects including the AHE São Manoel, currently under construction in Brazil</div><div>• Studies and consultancy for analysis and development of Hydroelectric Power Plants in several countries of Latin America and Africa</div><div>• Preliminary technical opinion on hydropower projects in Latin America (e.g. Santa Maria, Tingo, Molloco in Peru).</div><div>• Auditing the operation and maintenance services of Chicapa I hydropower plant in Angola</div><div>• Coordination and supervision of technical and environmental due diligence of Maraño, San Gaban III, Angels (I, II e II), La Joya and Chaglla hydropower plants in Peru</div><div>• Follow-up of technical due diligence of Talasa project (CAA, CAB and CARG plants), in Colombia.</div><div>• Coordination, supervision of inventory studies for greenfield development and construction of hydropower plants in Peru</div></div></div></div> <div><div>Last update: 17-05-2018</div></div>