



SOLUTIONS FOR A BETTER FUTURE

ABOUT US

Gesto is an international company focused on energy consulting and renewable energy project development. Gesto was founded with the aim of being a leading adviser and a trustworthy partner in creating sustainable energy sectors, thus improving people's lives and making a world of difference.

With an overall experience of more than 50,000 MW of renewable energy projects assessed in nearly 20 countries worldwide, Gesto has the know-how and experience in the development of energy policies, energy and electrification master plans and in supporting all phases of energy project development.

VISION

In the future, all people will have access to electricity and electric systems will rely entirely on renewable energy sources. Gesto wants to be a driving force in this revolution, developing projects that contribute to sustainable energy access and to the

MISSION

Developing projects with technical and economic rationale that allow the dissemination of renewable energy sources and energy access, thus contributing to improve people's well-being.

VALUES

Competence, excellence, professional ethics, innovation, dedication, hard work, and satisfaction of our customers and staff.



WIND



HYDRO



SOLAR



GEOTHERMAL



BIOMASS



WAVES

SERVICES

ENERGY MASTER PLANS

Electrification and Energy Master Plans, including demand forecast, methodologies for LCOE estimation and least cost planning for grid expansion.

- Energy 2040: Electrification of Cubango-Okavango in harmony with the River Basin Ecosystem (2020-2021)
- Nepal Distribution System/Rural Electrification Master Plan (2018-2020)
- Angola Action Plan for the Energy and Water Sector 2018-2022 (2018)
- Lesotho Country Action Agenda and Investment Prospectus (2018)
- Cape Verde's Energy Master Plan until 2040 (2018)
- Angola's Energy Masterplan for 2025 (2015)
- Mozambique's Energy Strategy 2014-2023 (2014)
- Cape Verde's Energy Strategy – 50% Renewable until 2020 (2010)
- East Timor Renewable Electrification Master Plan (2008-2009)

RENEWABLE ENERGIES ATLAS

Having analyzed nearly 5 million km² worldwide and assessed more than 50,000 MW of projects, using GIS tools such as r.sun, solar analyst, WRF, MM5, Windfarmer, WAsP and WISDOM, as well as custom-built software.

- Geothermal Potential in the Moroccan Southern Provinces (2019 – 2021)
- Geothermal Potential Evaluation in Northeast of Morocco (2017 – 2018)
- Laos' Hydropower Mapping (2017)
- Vietnam's Small Hydropower Mapping (2015)
- Indonesia's Small Hydropower Mapping (2014)
- Angola's Renewable Energy Atlas (2014)
- Mozambique's Renewable Energy Atlas (2011)
- Cape Verde's Renewable Energy Atlas (2010)
- East Timor Renewable Energy Mapping (2009)

PROJECT DEVELOPMENT & CONSTRUCTION

Support all phases of project development and construction, from greenfield to power plant commissioning.

- Development and licensing over 1.000 MW of solar projects (2009-....)
- Owners Engineer in Olkaria I (70MW) and Olkaria V (156MW) the largest ongoing Geothermal Power Plants in the world - Kenya (2015-2020)
- 400 MW wind projects in Portugal (2009-2016)
- Rwanda's Goldsol 10 MW Solar PV Project (2014-2015)
- Cape Verde's Santiago 5 MW and Sal 2,5 MW Solar Power Plants (2010)
- In Italy, one of the leading geothermal developers (2009-2018)
- Hydro-pumped storage projects in Portugal (2008-2009)

GRID STUDIES AND RURAL ELECTRIFICATION

Power flow analysis and dynamic studies for renewable energy grid integration, using state-of-art planning tools: GIS, ANAREDE, PSSE, GTMax, etc., and is an expert in rural electrification, both on and off grid.

- Ex-post Evaluation of the Energy and Development Access Project (EDAP) in Mozambique (2020–2021)
- Lesotho Renewable Energy grid integration study (2019-2020)
- Senegal's Rural Electrification Program (2016)
- Liberia's Rural Energy Master Plan (2015-2016)
- Angola's Electric grid expansion until 2025 (2014)
- Cape Verde's studies to maximize renewables (2010)

COMMERCIAL EFFICIENCY AND ENERGY LOSSES

Support utilities reducing energy losses and improving commercial efficiency.

- Fixed asset registering project, ENDE Angola (2018-2020)
- Technical Losses reduction project, ENDE Angola (2017-2020)
- Commercial restructuring and new billing system design and implementation, ELECTRA Cape Verde (2014-2016)
- Electric distribution assets' georeferencing, Cape Verde (2014-2015)
- Energy loss information system development and implementation (2013)

FINANCING AND PROCUREMENT

Support governments and developers in project financing and procurement.

- Creation of energy PPP cell in Angola (2015)
- Angola Integrated Plan for Fostering Partnerships with Private Sector in Electricity (2014-2015)
- Procurement of more than 1.000 MW of power generation (2010-ongoing)
- Renewables licensing and project financing (2008-ongoing)

FEASIBILITY STUDIES

Support to investors evaluating project potential and economic viability.

- Hydro: >4 GW
- Solar: >1GW
- Wind: >1 GW
- Geothermal: >100 MW

LEGISLATION AND ENERGY POLICY

Support decision-makers developing suitable legislation and energy policies.

- Elaboration of a Planning, Monitoring and Evaluation Manual for the Ministry of Mineral Resources and Energy in Mozambique (2021)
- LTA – Long-Term Agreement for the provision of Professional Consultancy Services for removing barriers for Energy Efficiency in Cabo Verde Appliances Sector (2017–2019)
- Angola independent power regulation (2018)
- Angola Energy law (2018)
- Angola Prepaid metering law (2017)
- Restructuring of Mozambique's Energy Fund – FUNAE (2016 – 2017)
- Cape Verde's Legal Framework for Renewables (2015-2016)
- Angola's regulation for lightning strike protection (2014)
- Cape Verde's law to combat electrical energy fraud (2013-2014)
- Cape Verde's Legal Framework for independent producers (2011)



INNOVATION

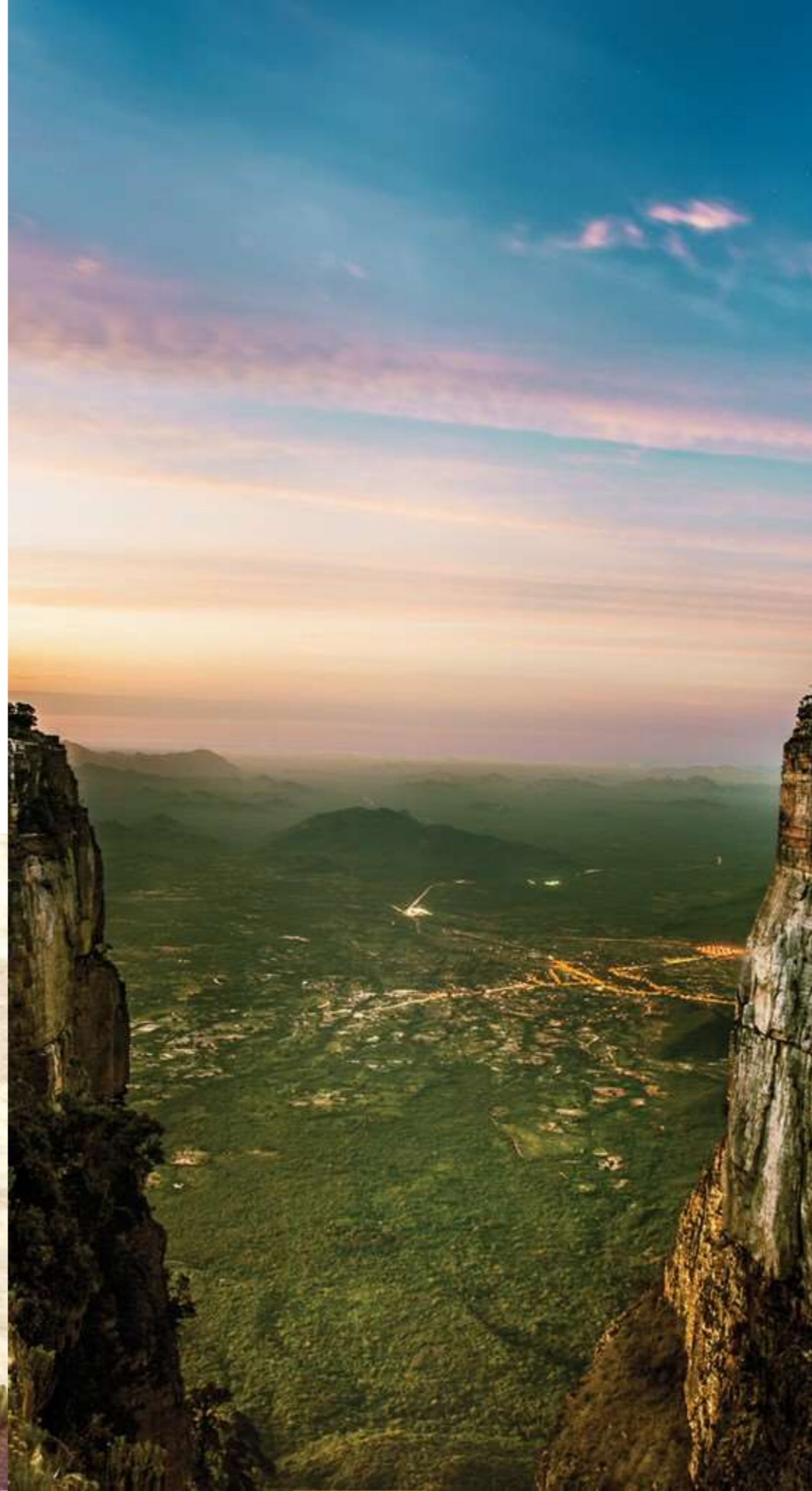
Innovation is part of Gesto's DNA and we are strongly committed in the development of innovative solutions that can help energy systems to be greener and more efficient.

- GIS-Based Tool for Identifying sites for RE's projects in Nigeria (2018-2020)
- Georeferencing tool for android platforms – LogActive (2017)
- Electric Grid Asset Management System – SGA (2016)
- Electric Grid Integrated Network Management System – SIGR (2015)
- Innovative rural electrification system, Mozambique – Iungo (2013-2014)
- Web Application Viewer for Renewables Energy projects (2013)
- Software development for hydropower potential assessment (2009-2010)

PEOPLE

Gesto's team is composed by experts with background as diverse as all the areas of engineering, management, finance, environment, geology, geographical information systems, socio-economics and law.

Gesto is continuously looking for the best and brightest. If you are looking for an international, challenging and rewarding experience contact us at hr@gestoenergy.com.



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