



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 development of a better world.

### 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

Gesto offers tailor made solutions in energy consulting and project development, including:

## ENERGY MASTER PLANS

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

- 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

Gesto excels in the evaluation of renewables, having analyzed nearly 5 million km² worldwide and assessed more than 50,000 MW of projects. Gesto uses GIS tools such as r.sun, solar analyst, WRF, MM5, Windfarmer, WASP and WISDOM, as well as custom-built softwares.

- Morocco Geothermal Mapping (2017-...)
- 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

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

- Development and licensing over 500 MW of solar projects (2015-....)
- Owners Engineer in Olkaria I (70MW) and Olkaria V (156MW) the largest ongoing Geothermal Power Plants in the world - Kenya ((2015-2020)
- 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-....)
- 400 MW wind projects in Portugal (2009-2011)
- Hydro-pumped storage projects in Portugal (2008-2009)

## FEASIBILITY STUDIES

We support investors evaluating project potential and economic viability.

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

## LEGISLATION AND ENERGY POLICY

Gesto advises and supports decision-makers in the development of suitable legislation and energy policies.

- Angola independent power regulation (2018)
- Angola Energy law (2018)
- Angola Prepaid metering law (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)

## FINANCING AND PROCUREMENT

Gesto supports 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 200 MW of power generation (2010-...)
- Renewables licensing and project financing (2008-...)

## GRID STUDIES AND RURAL ELECTRIFICATION

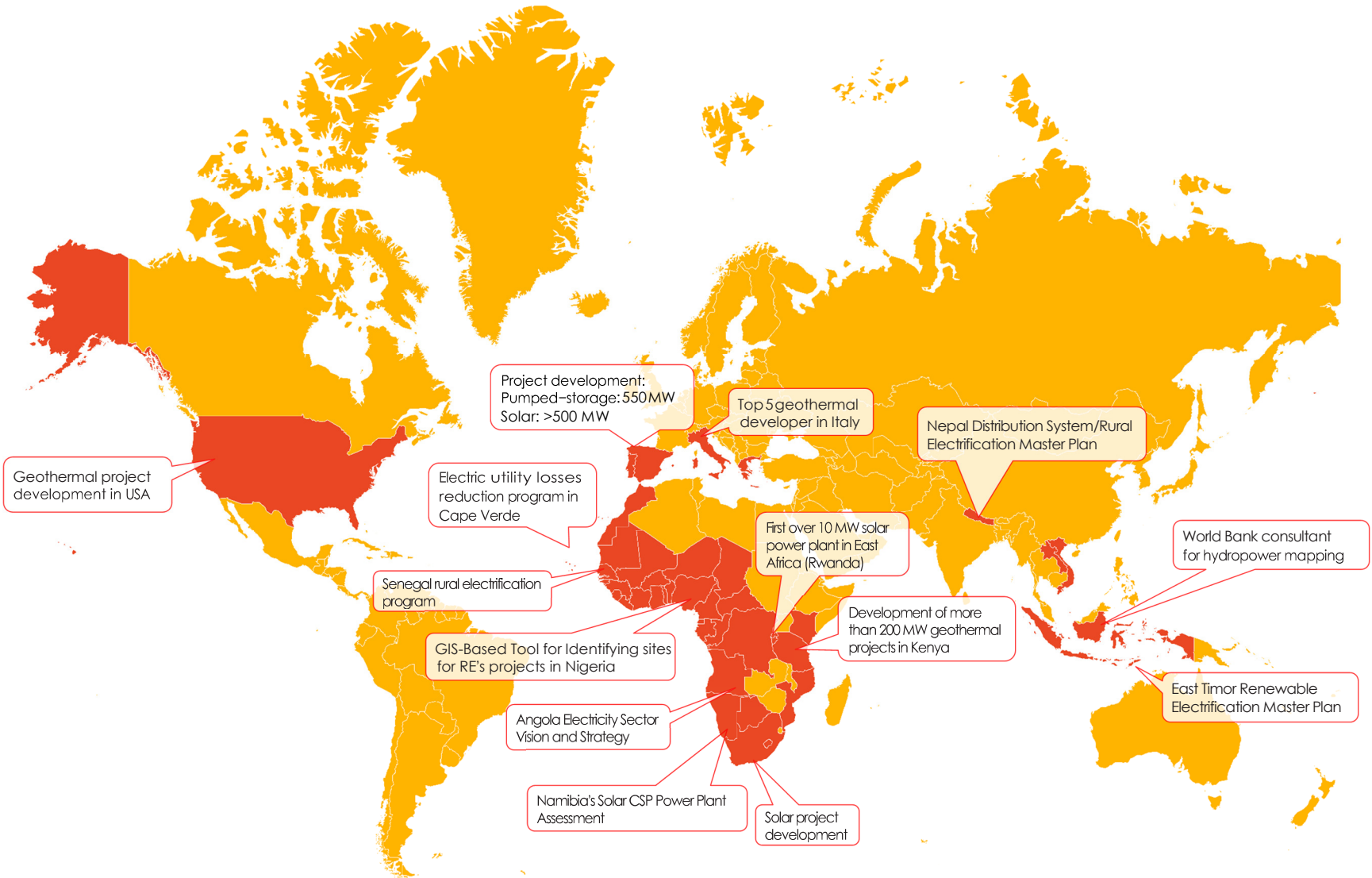
Gesto performs power flow analysis and dynamic studies for renewable energy grid integration, using state-of-art planning tools: GIS, ANAREDE, PSSE, GTMax, etc., and is an expert in rural electrification, both on and off grid.

- 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

Gesto supports utilities reducing energy losses in electric grids and improving commercial efficiency.

- Fixed asset registering project, ENDE Angola (2018-...)
- Technical Losses reduction project, ENDE Angola (2017-...)
- 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)





# 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)
- 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 – Iungo Project (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](mailto:hr@gestoenergy.com).



## CONTACTS

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