

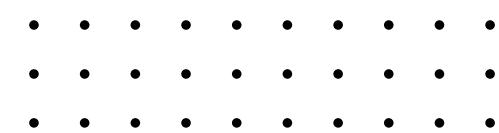


# STELLAE ENERGY

HELPING TO BUILD A SUSTAINABLE  
ENERGY FUTURE IN LOCAL COMMUNITIES

Profile





# INTRODUCTION TO STELLAE ENERGY

We are an Energy Transition company that is creating end to end Renewable Energy solutions globally.

Our main areas of focus:

- Distributed Energy Solutions / Hybrid Microgrids
- Solar, Wind, and Energy Storage Hybrids
- Green Hydrogen / Ammonia – Production / Storage / Fuel / Fuel Cells
- Geothermal Energy (Electricity, Heating/Cooling)
- Subsurface Energy Storage

Stella Energy is undertaking major technical work across the globe with large energy groups and multilateral agencies to identify sustainable energy locations, sources and solutions.



Stella Energy works with its global partners in variety of ways, from being an active participant in energy joint ventures to providing strategic advice and project management services

# CORE TEAM



**AB**  
**CFO**



**DAVE**  
**CEO**



**KRISTINA**  
**COO**

Highly experienced energy experts led by Dave Hartell, CEO with extensive experience of running multi-billion dollar energy projects for global companies (Woodside Energy, Hess Corporation, Marathon Oil, Premier Oil), with Aurangzeb Bozdar, CFO for finance and strategy (Endeavour Mining, Kuwait Energy, Premier Oil, Shell, KPC, PwC) and Dr Kristina Sevastianova, COO for Project Development (Rosneft).

**Core organisation is ably supported by highly experienced and extensive global team of energy experts.  
Focussed on Quality of Delivery - Long Term Partnerships**

# WHAT WE DELIVER

Sustainable Energy Assets Development - Strategy - Project Management



- Stakeholder Engagement, Sustainable Development
- Site identification, accessibility, grid connection, resource presence
- Pre-Feasibility, Feasibility, Detailed Design, Construction, Operations
- Funding and Finance, working with International Development Banks, Export Credit Agencies, and Green Finance Funds
- Market Intelligence, Customers, Power Purchase Agreement (PPA) Origination
- Local Participation and Content, Social Impact, Partnering
- Existing Asset Reviews
- Opportunity Reviews
- Divestment / Investment Transactions
- Developments

## Energy Assets Development

Hybrid Microgrids

Solar/Wind/Energy Storage

/  
Green Hydrogen / Ammonia

Geothermal

Strategic Advisory &  
Project  
Management

# BUSINESS MODEL

Flexibility is Key



Identify	Identify technologies, projects and opportunities
Engage	Engage governments, business stakeholders to agree commercial arrangements
Obtain	Obtain license to operate
Arrange	Arrange funding and finance for the project
Execute	Execute and feedback loop

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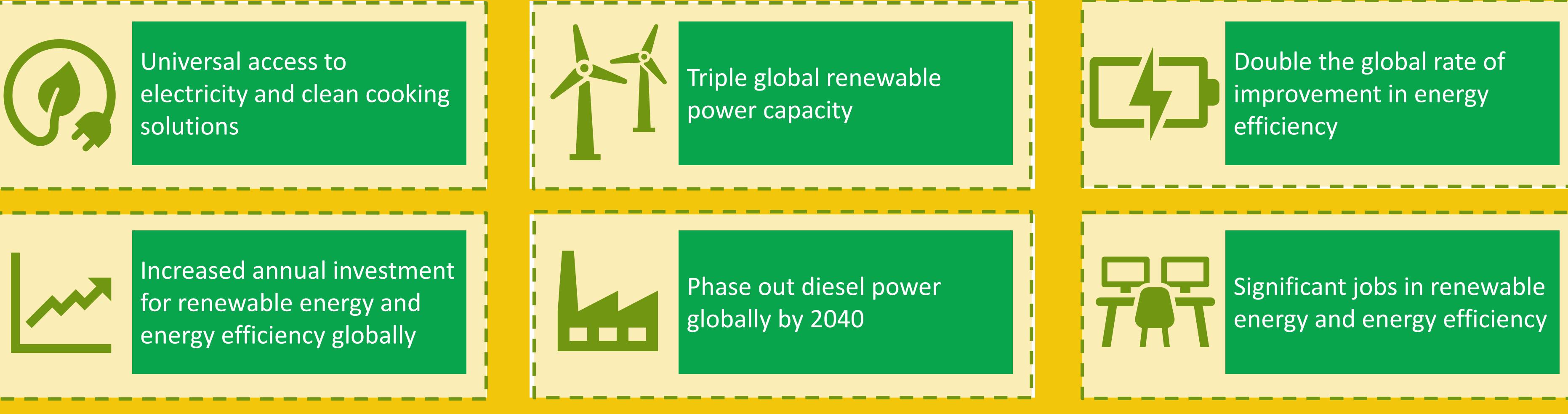


Green Hydrogen Projects: Africa

Geothermal Portfolio: Five (5#) locations in three nations across Western Tropical Pacific

# ALIGNED WITH UN SUSTAINABLE GOALS

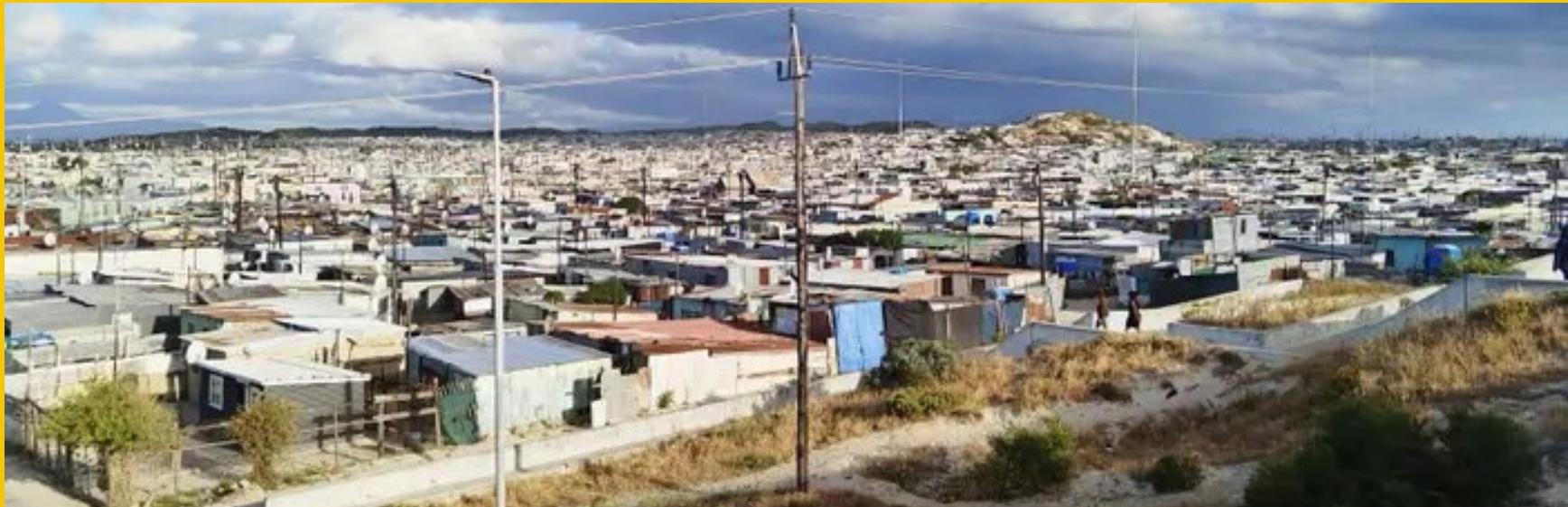
## SDG 7 - Ensure access to affordable, reliable, sustainable and modern energy for all



CSR++ Projects with World Bank/IFC Compliance Regime



# SUPPORTING COMMUNITIES GLOBALLY



# GREEN HYDROGEN - AFRICA



## Identify

Africa has thousands of local community healthcare facilities without electricity and/or reliant on intermittent small scale Solar PV only.

## Engage

Engaged with the Western Cape Regional Health Department and a large healthcare NGO foundation to identify potential projects.

## Obtain

Agreed three initial local community healthcare clinic locations in Cape Town for initial pilot projects.

## Funding

Initial funding by Innovate UK with the support of ZE-Gen and Department of Energy Security and Net Zero. Subsequent projects to be commercially funded.

## Execute

Demonstrate the solution and evaluate potential to expand across ~60# additional sites with local SA production resources

Central Green Hydrogen Production Facility with Solar PV, Batteries, and Modular Container with Electrolysers, Compressor, and Storage

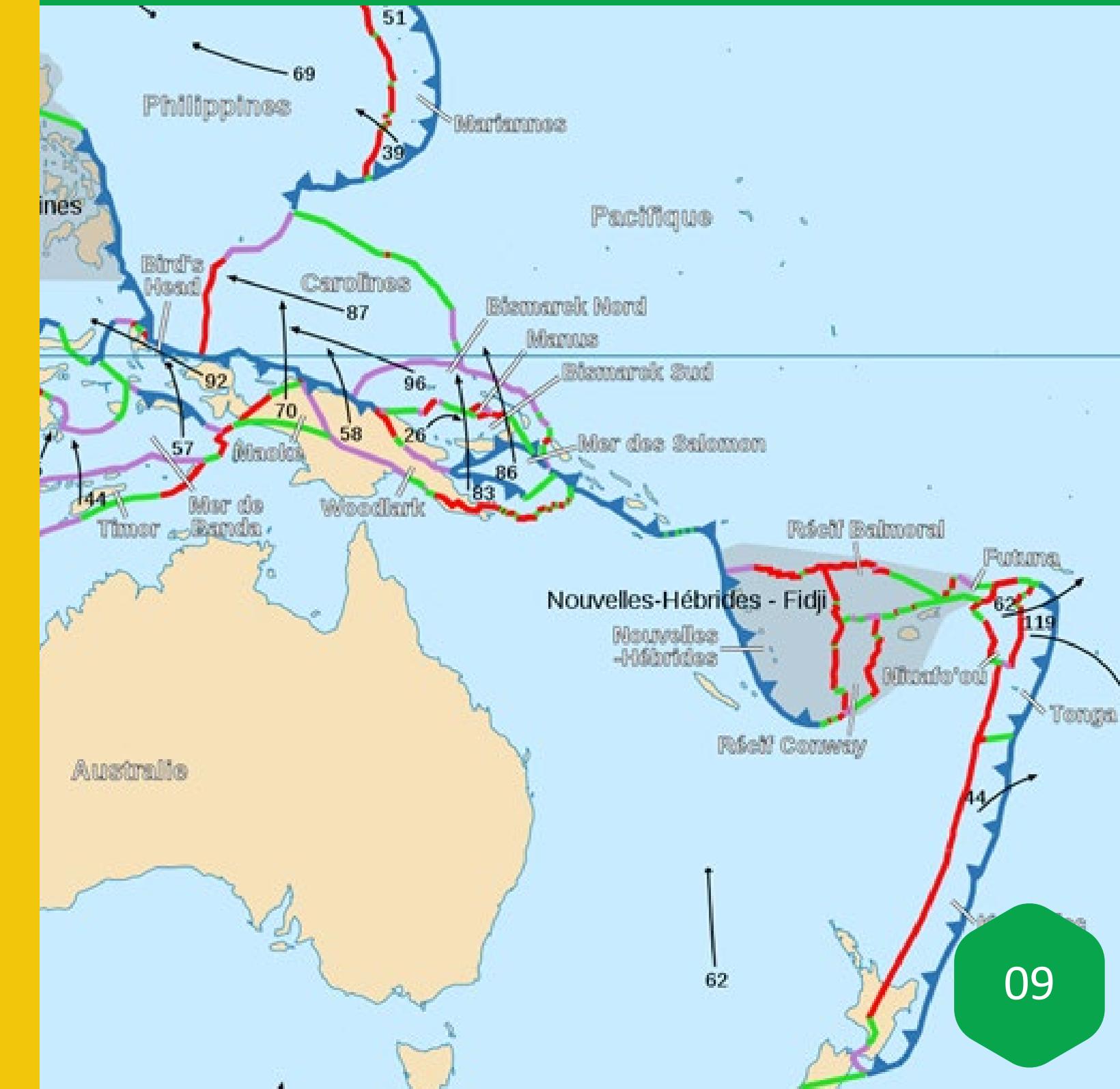


Local Community Healthcare Clinics with Solar PV, Batteries, Hydrogen Storage, and Fuel Cell

# GEOTHERMAL PORTFOLIO

- Western Tropical Pacific nations are located on a volcanic arc created by subduction of the Australian tectonic plate under the Pacific tectonic plate with over ~80# volcanic centres.
- Underlying magmatic heat upflows and hydrothermal reservoirs are able to be transformed into clean electricity.
- Transformational Geothermal Energy available for early development.
- Builds on prior work supported by regionally experienced Geothermal geoscientists, modern Geothermal technologies, and regional drilling resources.

## Hydrothermal Reservoirs Building on Prior Geothermal Work Transformational Geothermal Energy



# RENEWABLE ENERGY COMPANY



Hybrid Renewable Energy systems can provide economic, sustainable energies for local communities



Supporting jobs creation, skills development, technology transfer, enhanced business opportunities for local businesses, and reducing imports of expensive fuels



Robust project economics resulting in a step change in economic and social development for each community





Stellae Energy and our Partners have created some exceptional projects and global collaborations during the last six years. We are pleased to have matured a Hybrid Renewables Green Hydrogen project in South Africa and multiple Geothermal projects in Western Tropical Pacific. We are actively pursuing additional Partners to expand these projects.

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# THANK YOU

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