



*We Harness Next Gen Energy*  
**COMPANY OVERVIEW**  
2019



# HARNESSING ENERGY FOR LIFE

Now more than ever, the planet is crying for significant and sustainable cost improvements in the way hydrocarbons are produced and transformed.

USP&E supports merging together a new generation of Hybrid technologies to deliver more efficient and immediately available solutions.

With a better way to improve our clients' project economics, we are bringing transformation everyday.

# USP&E HOLDINGS PTY LTD

s n a p s h o t

+22

Countries where  
we have provided  
energy services.

12

Privately held  
companies.

over  
\$  
100<sub>m</sub>

Average sales per  
year.

100-  
200

Average number  
of employees  
subject to project  
dynamics.

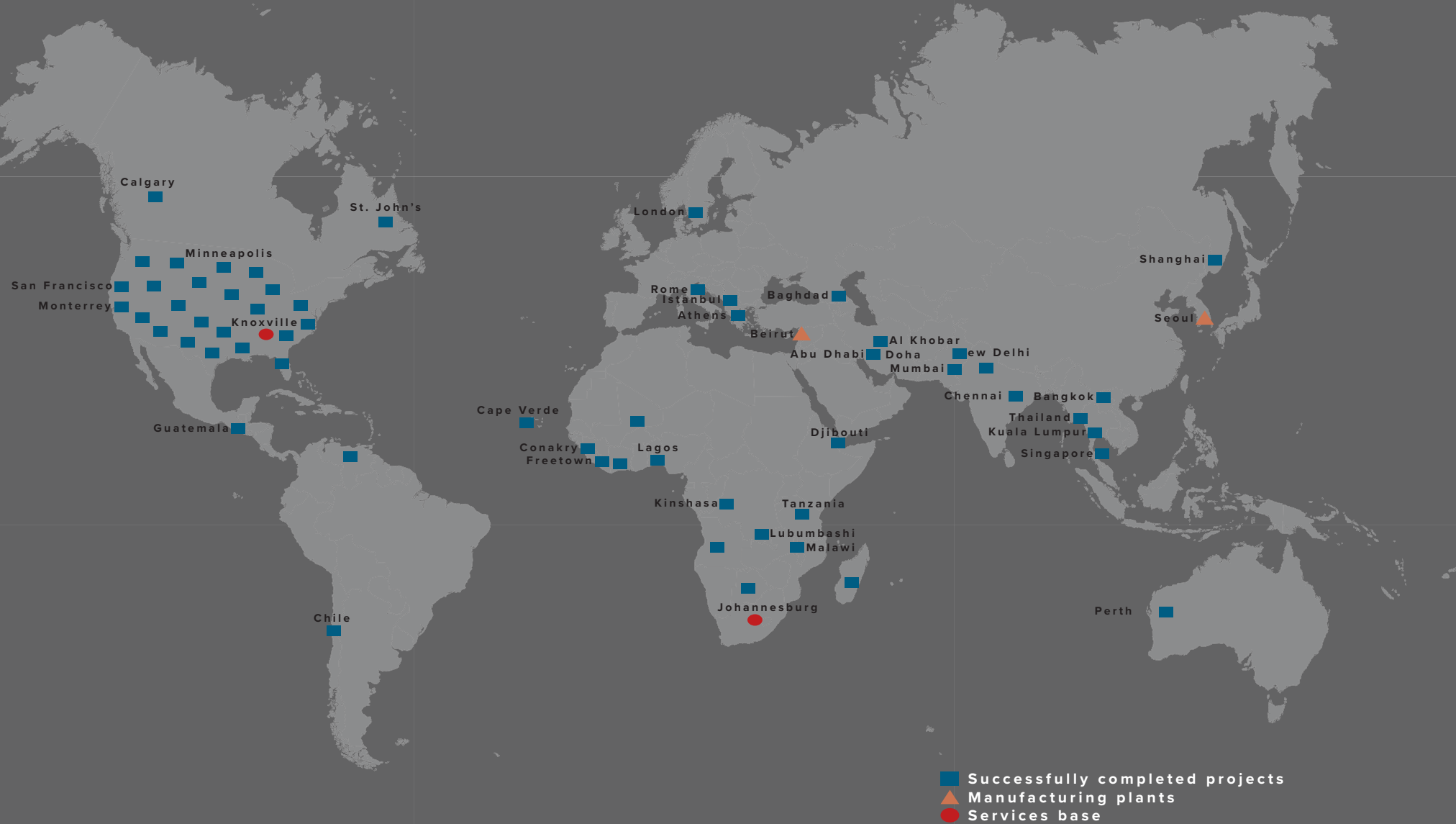
over  
\$  
200<sub>m</sub>

Total company  
backlog.

17

Years since  
inception.

# WORLDWIDE PRESENCE



# ONSHORE BUSINESS UNIT ACTIVITIES

Full EPC Capabilities

## Engineering

- > Thermal and Hybrid
- > Clean Fuels
- > Heavy oil + Diesel, Gas + Biogels
- > Hydrogen
- > Feasibility Studies

## Procurement

- > Digitized + Online Procurement Team
- > PV, Wind, Energy
- > New + Used Diesel, Gas Business, HFO Solutions

## Construction

- > Building, Utility scale, Renewable + thermal energy projects
- > Commitment to Safety
- > Immediate Bridge Power Options

## O&M

- > Thermal
- > Waste to Energy
- > Renewables
- > Biomass
- > Mining and metals

Engineering, procurement, construction, project management.

Large stock of new + surplus power stations.

Industry trailblazing and accumulated experience.

Guarenteed availability + reliability.





# A Comprehensive and Flexible Offering From Concept to Project Delivery and Beyond

A GLOBAL LEADER IN THERMAL POWER, RENEWABLES, NEW TECHNOLOGIES, SYSTEMS AND SERVICES.

## Engineering

THERMAL AND HYBRID  
CLEAN FUELS.  
HEAVY OIL + GAS.  
HYDROGEN.  
FEASIBILITY STUDIES.

Full Design/Build turn-key EPC: all engineering starting with Geotech and civil work, and then on to structural work, mechanical work, DC/AC electrical, petrochemical interconnections, fuel treatment and storage, controls design, and fuel efficiency system optimization.

## Procurement

DIGITIZED + ONLINE  
PROCUREMENT TEAM.  
PV, WIND, ENERGY.  
NEW + USED DIESEL, GAS. BUSINESS,  
HFO SOLUTIONS.

USP&E provides a full portfolio of EPC/Balance of Plant (BOP) services for thermal and renewable energy & infrastructure projects Worldwide. From concept to completion, we emphasize project efficiency and value engineering.

## Construction

BUILDING.  
UTILITY SCALE.  
RENEWABLE + THERMAL ENERGY  
PROJECTS.

As a leading design/build contractor in the renewable energy industry, USP&E has earned a reputation for designing and delivering the best solution for our clients through innovative design focused on delivering the lowest cost of energy, excellence in the planning, and execution of wind, solar, and energy infrastructure projects. Our team self-performs key project components, and thinks outside the box to come up with creative solutions that meet tomorrow's energy needs.



# FULL DESIGN & ENGINEERING CENTERS WORLDWIDE

Innovation as a mindset.  
Selfless collaboration.  
Lateral thinking.  
Highest efficiencies  
in the world.

Project scope ranging from  
development and feasibility  
studies to EPC execution and  
O&M.

FULL MULTI-DISCIPLINARY  
ENGINEERING CENTERS

Project size ranging from 500  
to 100,000 man hours.

Headcount: 200+



## O & M SERVICES

As a recognized and award-winning O&M power station contractor with references from some of the largest companies in the world, USP&E is well positioned to care for your power station. And this is critical as your O&M contractor provides a ‘safety net’ for the plant owner ensuring that the plant will be operated and maintained to guarantee reliability, availability, and output in the most efficient manner possible.

Acting as both the Commissioning Agent and the O&M Service Provider, USP&E will guarantee the electricity output at a fixed price. Whereas many firms in the USA and Europe will have difficulties calculating their risks for such an undertaking, USP&E is an African firm that addresses risk head-on and through the experience of over 10 years doing business operating and maintaining power stations across the Continent.

USP&E’s online performance and condition monitoring software, “SMARTpower” allows us to manage and review plant performance in real time, and allows all stake holders to do the same. Collecting operating data continuously throughout each operational month provides all shareholders the opportunity to analyze and make decisions on the performance and lifetime of the entire plant, from a holistic perspective.

THIS PLATFORM OF CONTINUOUS IMPROVEMENT IS THE BACKBONE  
OF WHAT “THE USP&E DIFFERENCE” IS ALL ABOUT.





## SUMMARY OF USP&E O&M STRENGTHS

### OPERATIONS & MAINTENANCE SERVICES

#### DESIGNED FOR RURAL AFRICA

Complete outsourcing of operations and maintenance services with onsite local national technical and safety training programs.

### ON-SITE TECHNICAL SUPPORT SERVICES

Specialized support services to improve overall plant performance, including Six Sigma cost reduction strategies, feedstock fuel efficiency optimization programs, and E-Tap electrical load optimization and analysis tools.

### BIOMASS AND CONVENTIONAL FUEL MANAGEMENT SERVICES

The supply chain management in any biomass or conventional project is of critical importance. A wide range of experience and expertise to ensure that a plant's performance and reliability are maximized when using organic feedstock to create energy through steam turbines.

### ONLINE MANAGEMENT REPORTING

Real time remote annunciation of all critical systems and inventory management for maximum transparency and ease of access to O&M management reporting for all stakeholders.

### ENVIRONMENTAL HEALTH & SAFETY PROGRAMS

Extensive health, safety, and environmental management systems and programs that meet or exceed our client's own EH&S program requirements.

### PROJECT EXPERIENCE

With a heritage in design, procurement, construction, and installation of biomass, HFO, and natural gas power station projects throughout the world, we have earned a reputation for excellence by combining technical know-how with practical experience.

## USP&E GROUP CAPABILITIES:

from Feasibility to EPC to O&M



## SAFETY, HEALTH, ENVIRONMENT AND QUALITY (SHEQ)



As USP&E and our affiliates operate in countries with differing governance standards, regulatory requirements, and cultural expectations, USP&E has developed a robust ZERO HARM safety, health, Environment and Quality (SHEQ) framework which provides guidance to our operations on delivering our health and safety commitment on each new and existing project. The USP&E “Life for Safety” programme continues to drive the desired behaviour towards personal and team safety. Our well documented management system outlines how to manage these risks effectively within the stages of the project management lifecycle thereby reducing risk as far as reasonably practical. Emphasising and facilitating constant communication and ongoing professional training regarding our internal safety practices remains of critical importance for achieving and maintaining “ZERO HARM”.



# OUR COMMITMENTS

## MISSION

to deliver the most  
cost-effective and efficient  
power station engineering,  
procurement, construction,  
and O&M solutions  
worldwide.

## VISION

to be the most trusted  
provider of power  
generation equipment and  
services in emerging  
markets  
worldwide.



POWERING BUSINESS. EMPOWERING PEOPLE