



CAPABILITY STATEMENT

JUNE 2019

VERSION 1.8

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Introduction

NRG Global Power ISO 9001 and OSHAS 18001 registered as an engineering service company that supplies services to the power generation and oil & gas sectors. The company supported from three offices at Stockton-on-Tees, UK and Perth, Western Australia providing engineers, technicians and operators to service global projects.

Our approach to project management is designed to consistently exceed all project stakeholders' expectations while controlling costs, quality, safety and project completion.

Since 2006 NRG Global Power has delivered everything from simple service support to the installation and commissioning of multiple unit power generation projects sites in some of the most challenging global locations.

Our clients include;

- GE Energy
- GE Oil & Gas
- GE Power & Water
- APR Energy
- Trans Canada Turbines
- Schneider Electric
- Alstom Power
- MTU
- MAN Diesel & Turbo
- Denholm Oilfield
- Working in Partnership with Pruftechnik UK

It is the "Strategic Aim" of the Company to encompass:

- **Change**
- **Challenge**
- **Opportunity**
- **Accountability**



NRG Global Power has the capability to provide comprehensive support for all aspects of minor and major works to Power Generating packages, including but not limited to GE, Alstom and Siemens. Our experience covers many different manufacturers models and types of Gas Turbine, Turbo and Hydro Generators providing support for:

- **Project Management**
 - Schedule development and management.
 - Quality assurance and document control.
 - Site Management.
 - Health Safety and Environment management.
 - Budget forecast and control.

- **Engineering Services**
 - Analysis, Uprate, Design and Re-design of Electrical Machinery (Transformers, Motors, Generators, etc.)
 - Consulting, Application Engineering, Field and Factory Acceptance Testing Services,
 - Design of Commercial and Industrial Electrical Systems.
 - Design of Earthing and Bonding Solutions.
 - Design of Transient and Temporary Overvoltage Protection Solutions.
 - Protective Relaying Engineering.

- **Generator Services**
 - Complete Overhauls (for all makes and models of generators)
 - Installation (New Installations & Temporary Installations)
 - Generator Test & Inspection (full stator test and inspections, full rotor (field) test and inspections)
 - Windings (Stator winding repairs, stator rewinds, rotor (field) rewinds, field winding repairs)
 - Retaining Ring (Removal and refitting of retaining ring and insulation, retaining ring inspection)
 - Conditional Assessment Reporting

- **Laser Alignment**
 - Rotating shaft alignment
 - Laser Levelling
 - Flatness
 - Bore alignment
 - 3D measuring



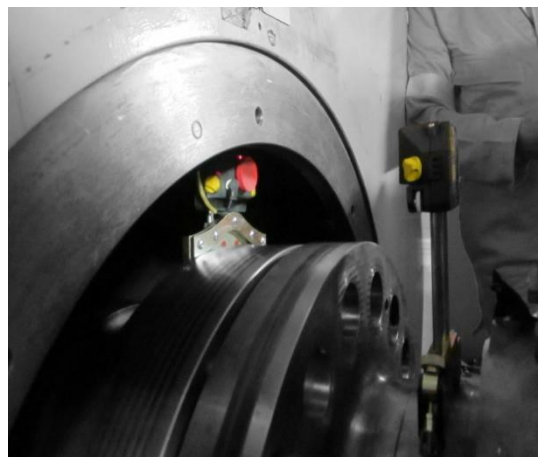
- **Electric HV and LV motor**
 - Test and inspection
 - Rewinds.
 - Overhaul
 - Balancing
 - Full voltage test run

- **Turbine Support**
 - Aero Derivatives.
 - Commissioning.
 - Borescope inspection.
 - Hot section.
 - Maintenance.
 - Engine change out.
 - Gas and Steam Turbines.
 - Support for major scheduled outages.
 - Support for minor inspections.
 - Support for breakdown forced outages.
 - All ancillary equipment.

- **Transformer and switchgear**
 - Major and minor repairs.
 - Bushing replacement.
 - Vacuum streamlining of oil.
 - Electrical testing.
 - Fault finding.
 - Condition assessment.

- **Operation & Maintenance**
 - Daily operations
 - Planned maintenance inspections
 - Unplanned maintenance response
 - Fault Finding
 - Root Cause Analysis (RCA)
 - Logistical Management

- **Laser Cutting Manufacturing**
 - Metallic Shim Kits
 - Non-metallic Shim Kits
 - Bespoke Shim profiling
 - Labels and Tags
 - Safety Sign for hazardous environments
 - Foam profiling for impact resistant/weatherproof cases



All aspects of installation, repairs and services for Electrical, Mechanical Rotating Machinery and Transformers can be offered. NRG Global Power prides itself in achieving customer deliverables without compromising safety or quality.

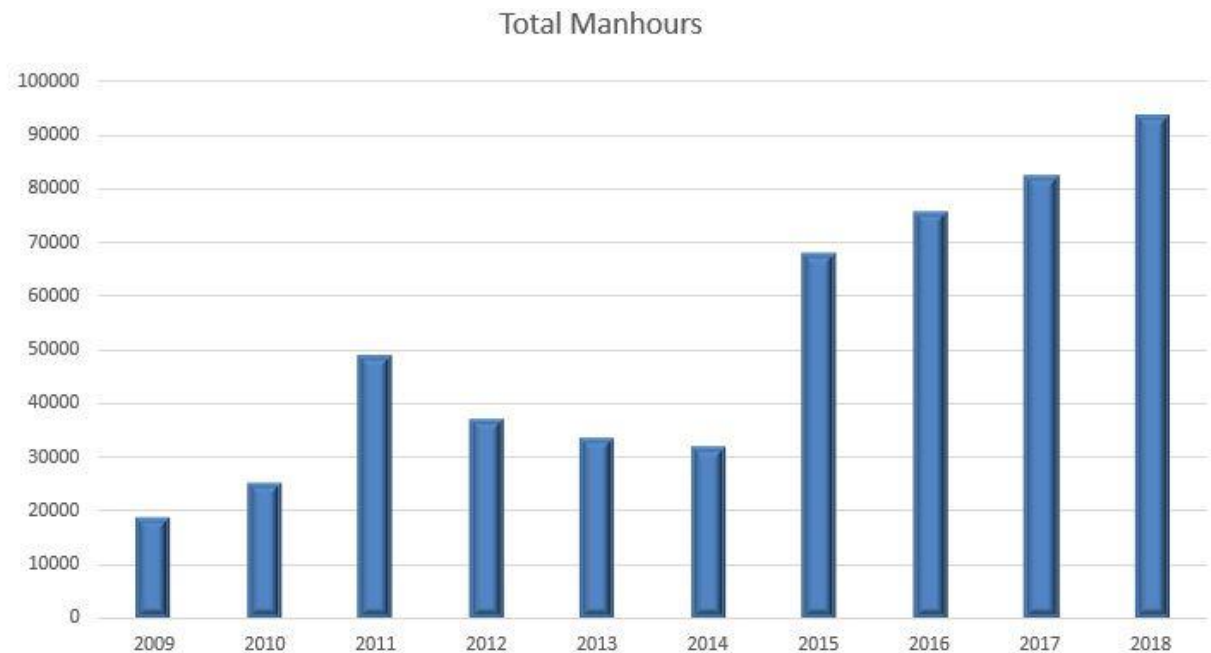
Quality

NRG Global Power is accredited to the International Quality Standard ISO 9001:2008 ISO 170/20. Our dedicated in-house quality team make sure that we provide products and services that meet and exceed current quality standards in response to our client objectives. Quality is managed, monitored and improved by using a well-maintained integrated management system which is reviewed constantly by NRG management and staff.

Environmental, Health and Safety

NRG Global Power has an uncompromising commitment to ensuring excellence in Health, Safety, Security and Environmental (HSSE) performance for all our employees, contractors and other stakeholders.

Meeting this commitment is a primary objective and the collective responsibility of all our employees. We encourage feedback from our Clients to ensure we are giving the Quality Service that is expected of us. We are happy to listen to any concerns and to learn from our Client.



We are committed to undertaking our business in such a way as to minimise the risks of injury or ill- health to our personnel and damage to property. As part of our commitment to safety excellence, we have attained the Occupational Health & Safety Management System OHSAS 18001:2007 accreditation.

Our aim is to become a total developer and establish our position as undisputed leader within our sphere of operations and to continue to improve upon our dynamic partnership with quality of service.

The Company will provide the best business solutions for our customers and clients. We will achieve this by employing our skills knowledge and ability to innovate with partners, clients and suppliers to harness the best available expertise. We will continuously strive to be our customers/clients preferred contractor and employer of choice.

To achieve "Objectives" the Company maintains a management system that complies with the requirements of the International Standard BS EN ISO 9001. Adherence to this system will aid in the achievement of our strategic objectives of continuous growth and increasing returns for stakeholders. The management system shall be subject to periodic review to ensure continuing suitability.

The Company is committed to continually improve the effectiveness of its management system and health and safety performance based on the full understanding and active participation of all employees in operating the policies and procedures. Management will ensure that all staff remain aware, understand and comply with the requirements of the system. Management will ensure a framework exists to review, monitor and set company objectives at periodic intervals.

The Company recognises the value of the workforce and as such is committed to continual staff development by evaluating needs and providing training. In this way we will fulfil the ever changing needs and expectations of our clients, and continually improve the quality of service we provide to them.

The organisation is committed to the continuous support of the management system, this policy statement and defined objectives.

Contacts and Offices

NRG GLOBAL POWER

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Bunbury Western
Australia 6120
Australia
Phone: +64 (0) 437701706
Email: info@nrgglobalpower.com.au

Project List

Location	Description	Plant Equipment
South Africa	I&C and O&M of 3 TM2500 generator sets	TM 2500
Indonesia	I&C 1 TM2500 generator set.	TM 2500
Pakistan	I&C and O&M of 7 TM2500 generator sets	TM 2500
UK	MO LM6000 engine change and alignment.	LM 6000
UK	MO LM6000 engine change and alignment.	LM 6000
UK	MO LM6000 engine change and alignment	LM 6000
Spain	MO LM1600 decommission.	LM 1600
Kuwait	I&C 2 TM2500 generator sets.	TM 2500
Kuwait	I&C 6 LM6000 generator sets.	LM 6000
Indonesia	I&C 1 TM2500 generator set.	TM 2500
UK	MO LM6000 engine change and alignment.	LM 6000
France	MO LM6000 engine change and alignment.	LM 6000
UK	MO LM2500 engine change and alignment.	LM 2500
Indonesia	I&C, O&M 2 TM2500 generator sets.	TM 2500
Nigeria	I&C, O&M 1 TM2500 generator set.	TM 2500
Venezuela	I&C 6 TM2500 generator sets.	TM 2500
Angola	I&C 1 TM2500 generator set.	TM 2500
Saudi Arabia	I&C 1 TM2500 generator set.	TM 2500
Ecuador	I&C 2 LM2500 generator sets.	LM 2500
Angola	I&C 2 TM2500 generator sets.	TM 2500
Ecuador	I&C 5 LM2500 generator sets.	LM 2500
Oman	I&C O&M 3 TM2500 generator sets	TM 2500
Bangladesh	I&C O&M 4 TM2500 generators sets	TM 2500
Kuwait	MO LM6000 engine change & alignment.	LM 6000
Spain	MO LM6000 engine change & alignment.	LM 6000
UK	MO LM6000 engine change & alignment.	LM 6000
Greece	I&C 1 TM2500 plus generator set.	TM 2500
Bolivia	I&C 2 TM2500 generator sets.	TM 2500
Japan	I&C O&M 2 LM2500 generator sets	LM 2500
Bolivia	I&C 4 TM2500 generator sets.	TM 2500
Algeria	I&C 6 TM2500 generator sets.	TM 2500
Angola	I&C 6 TM2500 generator sets.	TM 2500
Venezuela	I&C 6 LM2500 plus generator sets.	LM 2500
Algeria	I&C 24 LM2500 plus generator sets.	LM 2500
UK	MO 2xLM2500 plus RB211 annual shutdown	LM 2500 & Rolls Royce RB 211
UK	MO Laser Shaft Alignment	Laser Alignment
UK	MO LM6000 engine install & alignment.	LM 6000
UK	MO offshore platform maintenance	
UK	Laser Alignment of critical equip. Offshore	Laser Alignment
Italy	Laser Alignment of Rolls Royce RB 211	Rolls Royce RB 211
Libya	I&C 4 TM2500 generator sets.	TM 2500
UK	I&C, MO various turbine generator sets	I&C, MO various Alignment
Algeria	I&C 12 TM2500 generator sets	TM 2500
Libya	O&M 6 TM 2500, 6 FT8 Mobilpac	TM 2500 & Pratt & Whitney FT8
Iraq	O&M 6 TM2500 plus generator sets	TM 2500
Holland	Laser Alignment services to Oil & Gas equip.	

Libya	I&C (incl. Air filter upgrades) 4 x TM2500 plus	TM 2500
Bangladesh	O&M 2 x LM6000	LM 6000
Argentina	I&C 4 x TM 2500 plus	TM 2500
Angola	I&C 2 x TM2500 Gen 7	TM 2500
Benin	I&C 2 x TM 2500 plus	TM 2500
Angola	O&M 2 x TM2500 Gen 7	TM 2500
Angola	O&M 2 x GE Frame 6B & 1 x TM2500	GE Frame 6B, TM 2500
Angola	MO 2 x TM2500	TM2500
Angola	O&M 1 X GE Frame 6B (Floating Plant)	GE Frame 6B
Angola	O&M 2 x TM2500	TM 2500

To
Whom it may concern:

June 3, 2019

Ref.^a C.OF/0491/GRD/19

Dear Sirs,

We have worked with **NRG Global Power** since May 2017. The original scope was the installation and commissioning of 2 x TM2500. During the install the team proved to be very flexible and willing to assist all aspects of the project (including the balance of plant) to ensure COD achieved on schedule.

Following the commissioning the team took over the Operations and Maintenance for the site until both units had achieved almost 14,000 hrs. The site has proven to be one of the most reliable and efficient in Angola.

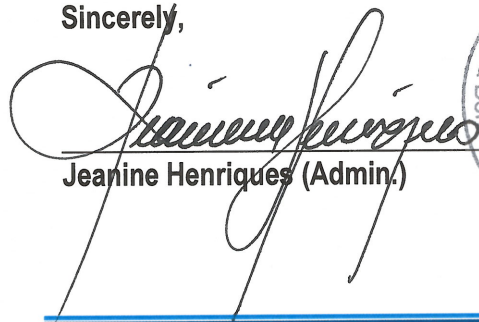
During this time ourselves and **NRG** were requested to assist on other sites where they succeeded in trouble shooting pre-existing issues.

NRG Global Power's success in Angola has resulted in **GRD / NRG** being issued with responsibility for further site consisting of 2 x Frame 6 and 1 x TM2500.

It is envisaged that the professionalism and work ethic of the team will lead to further work in Angola.

I would have no hesitation in recommending **NRG Global Power.**

Sincerely,



Jeanine Henriques (Admin.)



Notable Projects

Shekhupura, Pakistan - Installation of 7 x TM2500 for 36 month Rental Power Project

- Task Ahead
 - 6 acre site was cleared, prepared and graveled in 35 days
 - Man Camp was constructed at site and connected to all services in 21 days from delivery to site
 - We managed 22 ex-pats and 230 local contractors during construction period
 - 14.5km of cable was laid on site
 - First 6 units average build was 30 hours each (approx. 180 man hours)
 - 7th unit was built in 24 hours and alignment completed in just 3.5 hours
 - Site start to mechanical completion of TM's was 86 days
 - Site start to BOP completion was 100 days
 - Site start to COD was 115 days

- Challenges
 - Security – Security services had to be changed during construction
 - EHS – Environmental issues, Living quarters, camp food and hygiene, Flooding and site drainage
 - Fuel issues and subsequent engine and hot section changes on site
 - 7 x semi annual inspections and 7 x annual inspections per annum
 - Improved availability from 93% to 96% against a guarantee of 92% over 3 years

Ghorashal, Bangladesh – Installation of 4 x TM2500 for 36 month Rental Power Project

- Task Ahead
 - We managed 18 ex-pats and 150 local contractors during construction period
 - 8 km of cable was laid on project site
 - Overcame severe damage and theft to all 4 units by pirates of the Bangladesh coast. Two units required major repairs on site and 2 units were completely replaced
 - From delivery (including repairs and replacements) mechanical completion was 111 days and COD was 135 days

- Challenges
 - First 60 days with no accommodation or sanitation on site and a 3 hour journey in each direction from the hotel
 - Rewire accommodation to eliminate dangerous wiring faults
 - Water supply contaminated with lead, mercury and faecal coliforms
 - Security Systems implemented to counter petty theft from site. CCTV, lighting and fencing
 - EHS – Environmental issues. Living quarters, camp, and hygiene
 - Pirate damage and repairs
 - Fuel issues
 - Pollution of units and staff from adjacent site. Generator cleaning and repairs, high use of filters and water wash requirements
 - Availability improved from 80% in first 6 months with fuel and contamination issues to 97.4% for remainder of project after issues were resolved

Tripoli West and Zawia, Libya – Completion of installation and commissioning of 4 x TM2500 with retro fit of pulse air filters

- Task Ahead
 - Finish installation and commissioning of units that had been part installed before sites were demobilised due to in country war
 - Up to 14 ex-pats on site at any one time together with local contractors
 - Retro fit pulse air filters to all units

- Challenges
 - On-going civil war
 - We had to build and operate camp using Libyan nationals
 - We had to arrange suitable / tested lifting plant within Libya
 - We had to arrange security within country
 - Tooling and equipment – We put together and shipped a mobile workshop container with tools and equipment necessary for completion
 - Consumables – we supplied sites with consumables and spares required for completion. We were able to get goods to site usually within 5 days of leaving site
 - Location of Zawia site presented major security implications and evacuation by road was not deemed a safe option
 - Security team arranged hire of a vessel that was on 24/7 standby in coast guard station adjacent to site (approx. 400 meters away). This, however, presented another issue in that this was where migrants that were picked up at sea were brought back to and on numerous occasions on making their escape entered the site. Also criminal militias were known to enter port to recover the people they were trafficking
 - Construction of blast walls and shelters around camp and project site after a RPG landed within 50 meters
 - Mobilization and demobilization to and from site via small vessel when weather allowed (the evac vessel could not be used as it would leave team on site vulnerable)

Certificate of Registration



The Governing Board of
Q.A. International Certification Limited
hereby grants to:

NRG Global Power Ltd.

Registration No.: QAIC / UK / 705 – B

(hereinafter called the Registered Company) the right to be listed in the Directory of Registered Companies in respect of the services listed below. These services shall be offered by the Registered Company at or from only the active business address given below in accordance with the health & safety management system in compliance with
GB/T28001-2011 (OHSAS 18001:2007, IDT).

Business License Address:

Unit 27, Primrose Hill Industrial Estate, Orde Wingate Way, Stockton on Tees, TS19 0GA

Active Business Address to which this Certificate is registered:

Unit 27, Primrose Hill Industrial Estate, Orde Wingate Way, Stockton on Tees, TS19 0GA

Approved Scope to which this Certificate refers:

**The Provision of Specialist Skilled Engineering & Operational Support Services
on a Global Basis to the Power Generation & Allied Industries
and Management of Related Occupational Health & Safety Aspects.**

(Please note that the above scope represents the certified activity of the named organisation and as such, the organisation may undertake additional activities that are not covered under this certification).

Signed for and on behalf of the Board

CHIEF EXECUTIVE

SCHEME MANAGER

Certificate Issue Date: 21st February 2019 - Certificate Renewal Before: 31st October 2019

Date of Initial Registration: 6th November 2013 - Re-Certification Before: 11th March 2021

This Certificate of Registration is granted subject to the Regulations approved by the Board.

QA INTERNATIONAL

Q.A. International Certification Ltd.
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中国认可
管理体系
MANAGEMENT SYSTEM
CNAS C153-M



Certificate of Registration



The Governing Board of
Q.A. International Certification Limited
hereby grants to:

NRG Global Power Ltd

Registration No.: QAIC / UK / 705 - A

(hereinafter called the Registered Company) the right to be listed in the Directory of Registered Companies in respect of the services listed below. These services shall be offered by the Registered Company at or from only the address given below in accordance with the quality management system in compliance with ISO 9001:2015.

Address to which this Certificate refers:

Unit 27, Primrose Hill Industrial Estate, Orde Wingate Way, Stockton on Tees, TS19 0GA

Approved Scope to which this Certificate refers:

**The Provision of Specialist Skilled Engineering & Operational Support Services
on a Global Basis to the Power Generation & Allied Industries.**

(Please note that the above scope represents the certified activity of the named organisation and as such, the organisation may undertake additional activities that are not covered under this certification).

Signed for and on behalf of the Board

CHIEF EXECUTIVE

SCHEME MANAGER

Certificate Issue Date: 19th February 2019 - Certificate Renewal Before: 7th November 2019

Date of Initial Registration: 4th June 2009 - Re-Certification Before: 7th November 2020

This Certificate of Registration is granted subject to the Regulations approved by the Board.

QA INTERNATIONAL

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The use of the Accreditation Mark indicates accreditation in respect of those activities covered by the accreditation certificate number 046.