



# *NuEnergy Developments*

## *Value Proposition*

*Project Orientation*

*Organisational Readiness*

*Competence & Capacity Building*

*Quality & Safety Management Systems*

*“Building Competitive Industry Champions”*

# *Energy Industry Developments*

# Our Value Proposition

NuEnergy Developments is a niche energy consultancy which concerns itself with the development and industrialisation of specialised energy and infrastructure projects in Southern Africa.

With decades of knowledge and experience across the energy sector and proven relationships with key local and international industry stakeholders, NuEnergy is well positioned to coordinate and ready the capabilities required for the successful delivery of major energy infrastructure projects.

To achieve this, NuEnergy delivers Project Orientation, Organisational Readiness, Competence & Capacity Building and Quality & Safety Management System services to the industry, which effectively raises their standards and positions them for safety-class and export opportunities.

NuEnergy also supports the development of “Competitive Industry Champions” across the supply chain, and the alignment of these capabilities to our energy and infrastructure needs.

Industries



Gas



Thermal Power



Renewable Energy



Nuclear Energy

 **Industry Capacity Building**

**NuEnergy**  
Developments  
Accent on Ability

# The Problem....

South Africa, is an industrialised country backed by a legacy of major 20<sup>th</sup> century achievements in engineering, manufacturing, material & equipment supply and construction.

Although the 21<sup>st</sup> century has brought us great technological advancements, South Africa's economy and industry capacity has gradually declined to a fraction of its 2010 peak.

Despite several government-led industrial development plans, industry's competence across the supply chain has reduced, posing significant delivery challenges for mega infrastructure projects and creating an over-reliance on imported equipment and services. With the demise of the "Big Five" in construction, now being replaced with an inclusive "Agile Fifty", complex partnerships are required to handle mega-project demands.

## .... the Solution

NuEnergy develops qualified and complimentary industry partners and aligns them to major energy infrastructure projects in Southern Africa to international industry standards. This supports the recovery of our industry, while driving growth and socio-economic development for the region.

With the experience we have gained in the energy sector, and the lessons learned from Eskom's recent build programs, NuEnergy merges advanced international industry best practices with local industry capabilities to deliver world-class products and projects.

***"Let's Put Southern Africa Back to Work"***



# The NuEnergy Developments Team

The NuEnergy leadership team, have between them, accumulated a wealth of relevant industry experience during their prominent corporate careers in the infrastructure and energy sectors. Through their diversified, but complimentary strengths, as independent consultants, they draw on a wide range of local and international industry experts as part of their integrated service delivery.

## Founding Members

Des Muller is a Power Process Engineer with over 35 years experience in Project Development and Construction in the Infrastructure and Energy Sectors. He is an accomplished professional in the fields of Thermal Power, Renewable and Nuclear Energy and has made a significant contribution to the development and transformation of the South African energy sector and its relevant industry stakeholders.



Dr. Yves Guenon holds a PhD in Physics and is an Engineering Graduate from France. He has over 37 years experience in developing large-scale energy and infrastructure projects in South Africa, Europe, China and Russia. He led the SA Nuclear One procurement program in 2007 for Areva. He is also the Chairman for the French South African Chamber of Commerce and Industry.



## Independent Advisory Partners



Our experience spans across a broad spectrum of the Energy and Infrastructure sectors.

Access to leading international OEMs and vendors of Coal, Gas, Renewable, Hydro and Nuclear Energy Plants and Equipment.

NuEnergy is connected to a network of experienced Independent Consultants in all Energy Disciplines in Project Development, Quality Management, Engineering, Material & Equipment Supply, Manufacturing, Construction and Project Management.

We also have access to top Regulatory, Legal, Financial and Digital Transformation Advisory Services



## Loc/Int. Industry Specialists

SHEQ Engineers and SC/Human Perf. Trainers  
Program/Project Managers and Planners  
Project Directors - Construction Managers  
Design – Engineering - Doc Control – PLM – 4IR  
Project Developers and Subject Matter Experts  
Regulatory, Legal & Financial Advisory Services

## Loc/Int. Supporting Industries

Engineering and Project Management (EPCM)  
Multi-Disciplinary Construction & Comm. (EPCC)  
Manufacturing and Digital 4IR Transformation  
Materials Supply and Structural Fabrication  
Education/Training & Financial/Legal Advisory  
Government Industry Support & SETA Programs



*“Driving a Balanced and Sustainable Energy Portfolio for Southern Africa”*



Coal



Concentrated Solar Power



Nuclear



Gas