

SA Nuclear Supply Chain Pre-Qualification Program

The SA nuclear build procurement program is expected to start by mid-2022. During 2023, we should secure the preferred nuclear vendor with a feasible project funding model.

Targeted local content: R25Bn per 1000MW

For South Africa's industry to become part of the nuclear supply chain and invited to tender, it should be well-aligned with the build program and demonstrate that it would have the capacity, qualifications and competences when required. (2023)

This Pre-Qualification Program gets your company well-aligned and prepares your entry strategy for the nuclear industry.



South African
Nuclear Build Platform

Let's make it happen...

www.sanuclearbuildplatform.co.za

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InfoGraphic #25

A Nuclear Build has the capacity to Stimulate Economic Growth while building top-skilled Careers in Quality Manufacturing, Construction and O&M



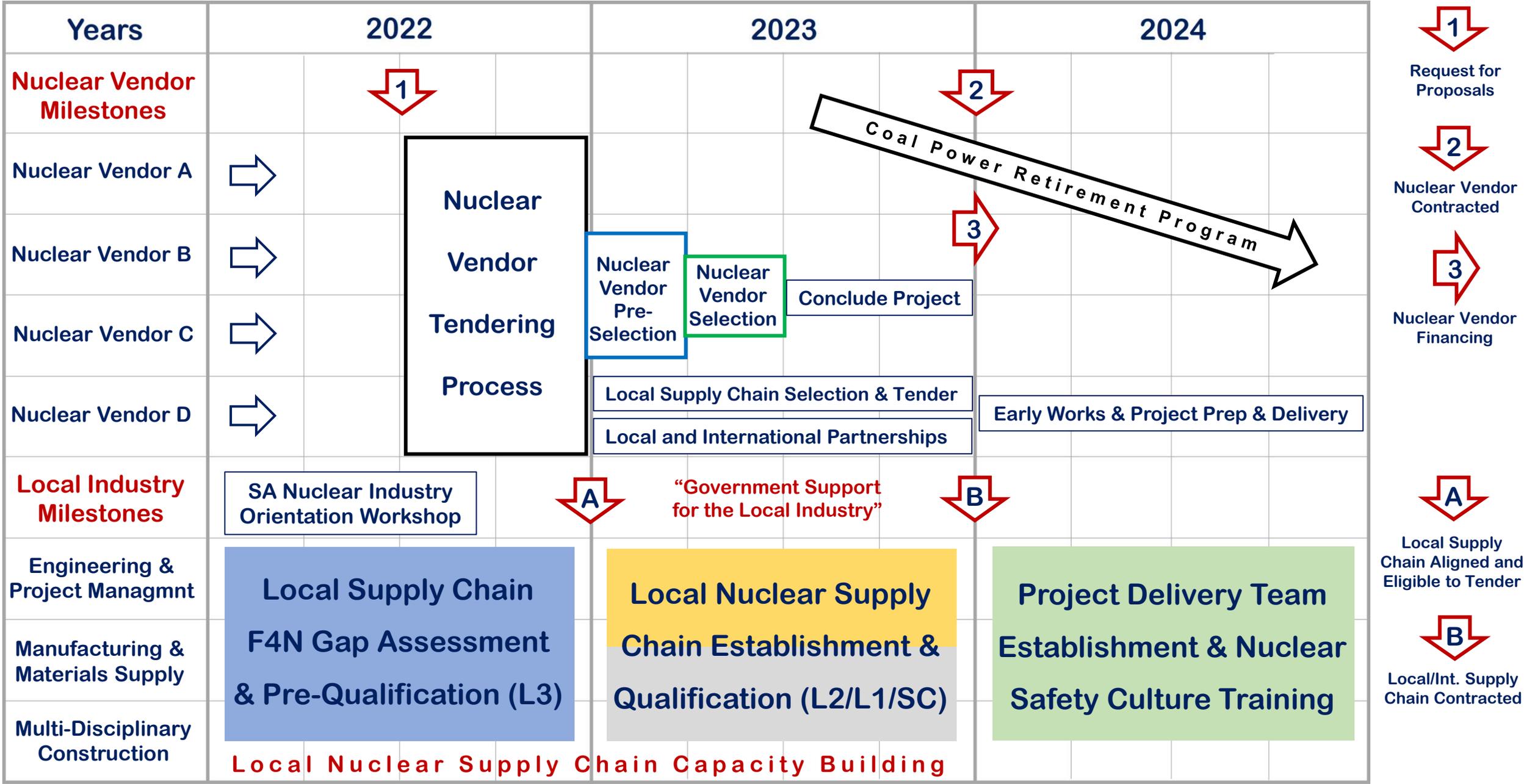
After Powering the Western Cape for 38 years, Koeberg's Spent Fuel can fit on Half a Tennis Court



Koeberg provides the Cleanest, Cheapest, Safest and most Reliable Electricity in South Africa... from 1984 to 2045

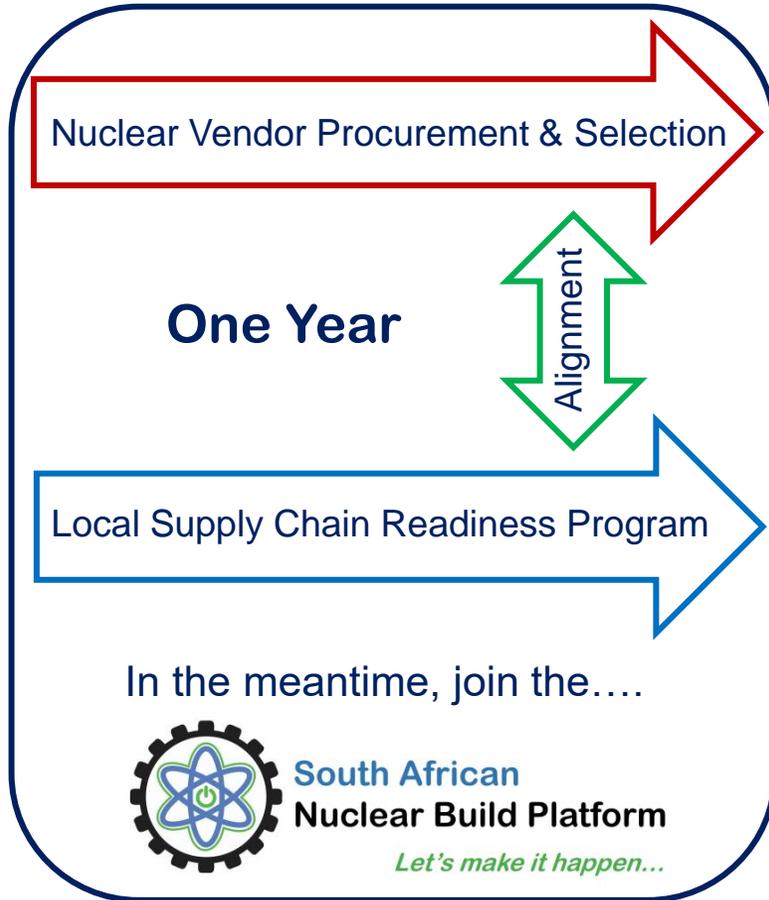


Estimated Nuclear Energy Procurement and Supply Chain Readiness Program



Why Wait and See?

- Nuclear Vendors can be selected by mid-2023
- Nuclear Vendor will localise with eligible partners
- Partnering, tendering & qualification in parallel
- Can take up to one year to get nuclear qualified



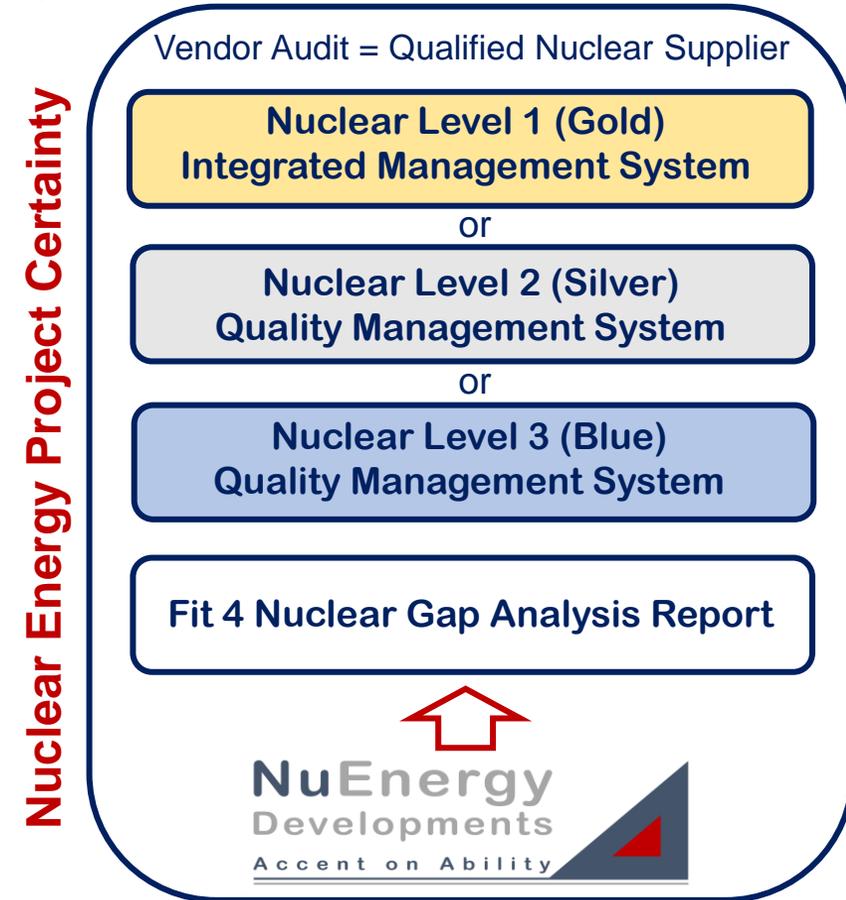
Get Pre-Qualified

- Do the SA Nuclear Industry Orientation Workshop
- Decide if nuclear energy fits into your strategy
- Participate in a Fit 4 Nuclear Gap Assessment
- Plan your nuclear energy engagement strategy



Then Get Qualified

- Establish and resource a nuclear energy division
- Determine your product's safety-class Level
- Implement a nuclear quality management system
- Resource & prepare for Vendor Audit & Approval



SA Nuclear Supply Chain Pre-Qualification Package

SA Nuclear Industry Orientation Workshop

- Review of the nuclear industry and its technology
- How does nuclear energy resolve load shedding?
- Who are the key players in SA's nuclear industry?
- The scale of opportunities for the local industry?
- When will the nuclear build actually happen?
- What should we do now to position ourselves?
- What does a big nuclear build program look like?
- When does our local industry safely engaged the nuclear procurement program, with certainty?
- How to build capacity for the nuclear industry?
- The ideal contracting structure for a nuclear build

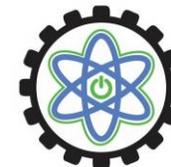
Workshop Duration: 3 Hours (virtual or in-person)

Fit 4 Nuclear Gap Assessment

- Opening meeting to review assessment objectives.
- Fit 4 Nuclear (F4N) Gap Assessment at your office.
- Gap assessment between your existing management systems and the nuclear Level 2 QMS requirements.
- A capability and capacity assessment of your group.
- Draft an assessment review and feedback report.
- Closing meeting to deliver F4N feedback report.
- Strategic planning for nuclear qualification process.
- Proposal for the implementation of a nuclear Level 2 QMS or Level 1 Integrated Management System.
- Nuclear Pre-Qualification completion certificate.

F4N Gap Assessment Duration: 5 to 6 Days

Note! The Pre-Qualification Package includes an SA Nuclear Industry Orientation Workshop and a Fit 4 Nuclear Gap Assessment. Can be delivered separately. -



South African
Nuclear Build Platform

Let's make it happen...

An Executive Briefing



Nuclear Industry Consultancy Services

The SA Nuclear Industry Platform facilitates the following Nuclear Industry Consultancy Services for the Industry:

- General Energy Industry Advisory Services
- SA Nuclear Industry Executive Orientation Workshop
- Fit 4 Nuclear Gap Assessment against nuclear standards
- Establishing and Resourcing a Compliant Nuclear Division
- Implementing Nuclear QMS/IMS and Audit Preparation
- Nuclear Project Alignment & International Partnering
- Project Readiness Coordination and Assessments

Rates & Prices provided on request.



South African
Nuclear Build Platform

Let's make it happen...

NuEnergy
Developments
Accent on Ability

Small Modular Reactors
are a Smart Replacement

for Retired Coal Power Plants

- Similar or Improved Power Output
- 98% Reduction in CO₂ Emissions
- Local Workforce Utilized & Enhanced
- Improved Energy Availability 90%+
- Clean and Affordable Hydrogen
- Achieves Eskom's ESG Objectives

Not Just an Energy Transition...



Nuclear Energy supports a
Just Energy Transition with
an Abundance of Clean and
Affordable Hybrid Energy

Hybrid Energy: Electricity – Process Heat – Desalination – Hydrogen

Not Just an Energy Transition...



INDUSTRY
4.0

Industry 4.0 Digital
Transformation....

Bringing Youth back into
Nuclear Engineering and
Construction Careers

