

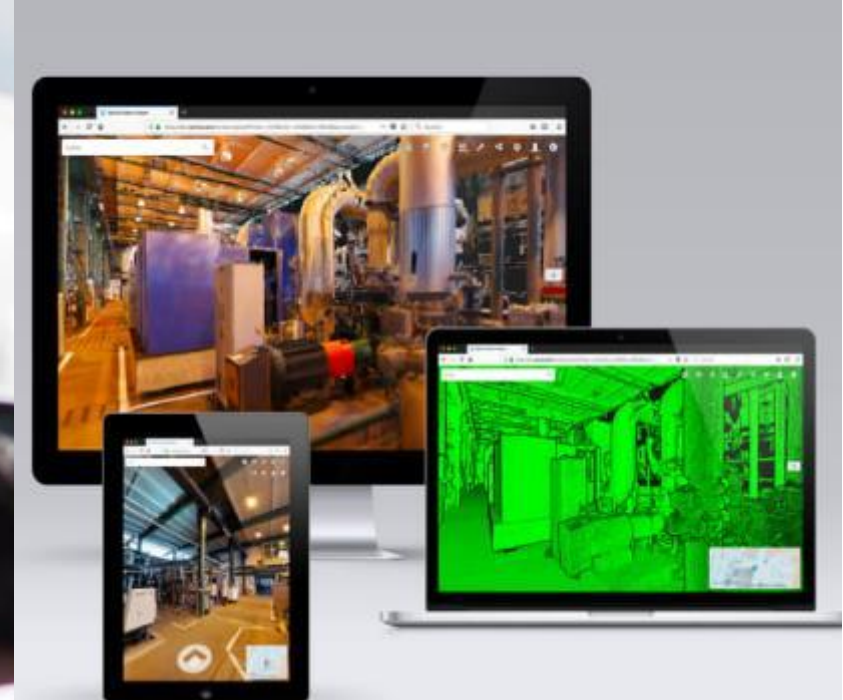


Topic

Building A Successful Career in the Energy Sector

Presented by
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Designation:
Principal Consultant



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1. Background & Track Record
2. My Experience – My Struggle
3. Have A Career Development Plan
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5. Be Knowledgeable: Oil, Gas & Energy (Opportunities)
6. Sustainability, Energy Transition & Digital Transformation Opportunities
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8. Energy Sector Overview & Opportunities
9. Next Steps: Delivering Excellent Value-Based Solutions

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Background & Track Record

Creating Value, Enhancing Performance.



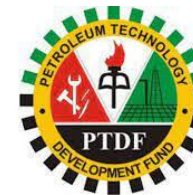
Company Overview

Lonadek Global Services (www.lonadek.com) is a multi-award-winning, woman-owned, ISO:9001: 2015 Certified Engineering Technology and Innovations Solutions Company. Since 1991, Lonadek empowers STEM/TECH talent to deliver state-of-the-art technologies and OEM solutions.

With operations in Africa, Europe and the Middle East, Lonadek is committed to developing capacity, capability and competence for improved performance in STEM focused sectors of the economy. The goal of Lonadek is to identify, develop and engage talent while leveraging technology to increase efficiency, productivity & profitability.

Lonadek has an excellent service reputation in outsourcing, STEMpreneurs and TECHpreneurs in the Energy, Power, Infrastructure and Oil & Gas industries. We serve other sectors such as Manufacturing, FMCGs, Telecoms and Mining.

1. Energy Transition: Gas Utilization, Hydrogen, Renewables, Energy as a Service, Green Infrastructure
2. Digital Transformation: IT Integration, Cloud Technology, Big Data, Data Analytics, AI, IoT, AR, VR, MR, XR, Blockchain, Drone Technology, Robotics,
3. EPC Solution: Engineering (Conceptual, FEED, DED), Procurement, Construction, Fabrication, Hook-up & Commissioning
4. Asset Management: Operations, Maintenance, Business Intelligence (Predictive & Prescriptive Analytics)
5. Industry 5:0: Systems Integration, Democratization of knowledge, automated networks, innovation, IoT, Wireless Connectivity, Big Data, AI, Cobotics, Miniature Sensors, Controls, Instrumentation networks, Data & Systems Security.



Skills Gap Audits: 2005/2006, 2009/2010 & 20017/2018

We have empowered over 5,000 Engineers. 100,000+ STEM Talent & Over 15,000 TECH Talent through Partnerships

AtGlobal Services we align People, Technology, Engineering Solutions and Services to Improve Society.



My Experience – My Struggle

B.Sc
Engineering
(1982)
Ph.D. in
Computer-
Aided-Design &
Draughting
(CADD) (1985)

National Youth
Service, Setup
Lonadek &
lecturer at the
University of
Lagos. (UNILAG)
(1991 – 1992)

Established
OGDEN.
Engaged in
HCDIs to close
local content
gaps.
(2003 – 2013)

Established the
15-year, Vision
2020: Career
Counselling,
Industry
Awareness &
Youth
Empowerment
Initiative.
(2006 -2020)

1980

1988

1991

2003

2013

2016

2020

2021

Chartered
Engineer with
Babtie, Shaw &
Morton
Consulting
Engineers.
(1988 – 1991)

CADD
Consulting and
Technology
Transfer
Agreement
between
Bechtel Inc &
NNPC- NETCO.
Marriage with 3
wonderful
children.
(1992 – 2003)

Became active
with Vital
Voices,
WEConnect,
IWEC, Energy
Institute, Royal
Academy of
Engineering.
(2004 – date)

Lonadek
attained her
ISO:9001:2015
Certification,
VV100, IWEC,
Energy
Champion, C3E
& WEConnect
Rise2TheChal-
lenge Engineering
Sector Award.
(2010 – date)

2020 – 2025:

1. Restructured Lonadek for Energy, Power, Manufacturing Sectors
2. Moved from Engineering Technology to Asset Performance Improvement, Operations & Maintenance
3. A-Z Outsourcing Became Fully Operational
4. Human Capital Development & Entrepreneurial Development
5. Co-Founded the Women in Energy Network (WIEN)
6. Joined the Petroleum Technology Association of Nigeria (PETAN) Board
7. Served on the SPE Lagos Council & Other International Roles
8. Chaired a Session at OTC & established the PETAN next-GEN



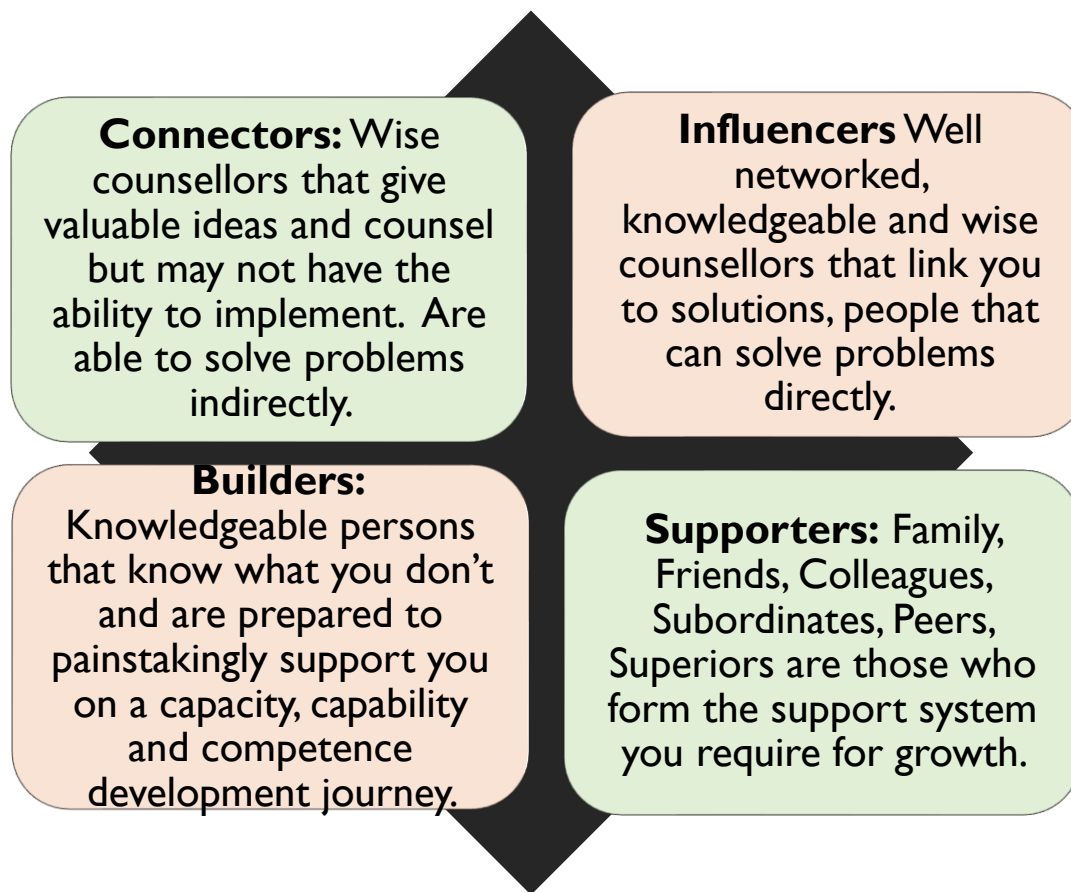
WEConnect
INTERNATIONAL

—OILWOMAN
MAGAZINE



Lagos, Nigeria

The Complexity of Early Marriage Years, Childbirth, Raising
Children & Work Life Balance



**We Need Connectors,
Influencers, Builders
& Supporters?**

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Analyze Your Development Strategy

Know Yourself

- Do a personal SWOT analysis with a focus on your industry (PESTEL); and what opportunities you can leverage on
- Write out your personal vision, mission, value statement

Identify Competency Requirements For Proposed Future Roles

Requirements include:

- behavioral traits/ attitude;
- specific skills;
- body of knowledge (education / certifications / on the job training)

Clarify Your Growth Goals

- Craft SMART goals that speak to your career destination
- Goals must capture short and long-term line-of-sight

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Be Knowledgeable

1. Venus: TotalEnergies (45.25%), QatarEnergy (35.25%), Impact Oil & Gas (9.5%), NAMCOR (10%) - FID Q4 2026, FOL 2029–2030, Target Production cost \$20/barrel
2. Kudu Gas Field / Kudu Power Project - BWEnergy (95%), NAMCOR (5%) - FDP - June 2025; FID 2026; ~800 MW power plant **Extensive infrastructure (subsea tie-back, power station) implies substantial capital needs.**
3. Mopane (Galp Energia) - Galp (80%), NAMCOR (10%), Custos Energy (10%) - Possible FID (1X, 2X & 3X)
4. Graff-1X / Jonker / La Rona (Shell, PEL 39) - Shell (operator), QatarEnergy, NAMCOR - (Graff-1X, Jonker-1X)
Challenging gas content - Shell wrote off US\$400 million in PEL39
5. Sagittarius - Rhino Resources (85%), NAMCOR (10%), Korres (5%); Azure Energy (farm-in for 42.5% of Rhino Share)
6. Capricornus - 1X (Rhino Resources / PEL 85) - Hydrocarbon discovery in April 2025; exploration progressing
7. Chevron's PEL 90 & Walvis Basin Blocks - Chevron (80%), NAMCOR (?), Inter Oil (10%)

Google Alert, Conference, Workshop, LinkedIn Posts, Seminar, Mentors, Coaches, Networks, Social Media

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Know the Key Players & Stakeholders



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Energy Sector Overview & Opportunities

The energy sector in Africa & Namibia presents both significant challenges and opportunities. Addressing infrastructure deficits and leveraging renewable energy potential are critical for achieving energy security and economic growth.

Global Energy Sector Overview

- **Total Global Energy Consumption:** In 2021, global energy consumption reached approximately 6,700 million tons of oil equivalent (Mtoe).
- **Renewable Energy:** Renewables accounted for about 29% of the global electricity generation in 2020, with significant growth in solar and wind energy.

Energy Sector in Africa

- **Energy Access:** Approximately 600 million people in Africa lack access to electricity, representing about 43% of the continent's population.
- **Renewable Energy Potential:** Africa has vast renewable energy resources, particularly solar and wind. The continent receives an average of 2,500 hours of sunlight per year, making it ideal for solar energy projects.
- **Investment Trends:** In 2021, investments in renewable energy in Africa were around \$8 billion, with a growing focus on off-grid solutions.

Digital Transformation in Africa

- **Industry 5.0:** Leveraging AI, IoT, AR, VR, XR, MR, Robotics, Cloud, Data Analytics, 3D Printing, Digital Twins etc.

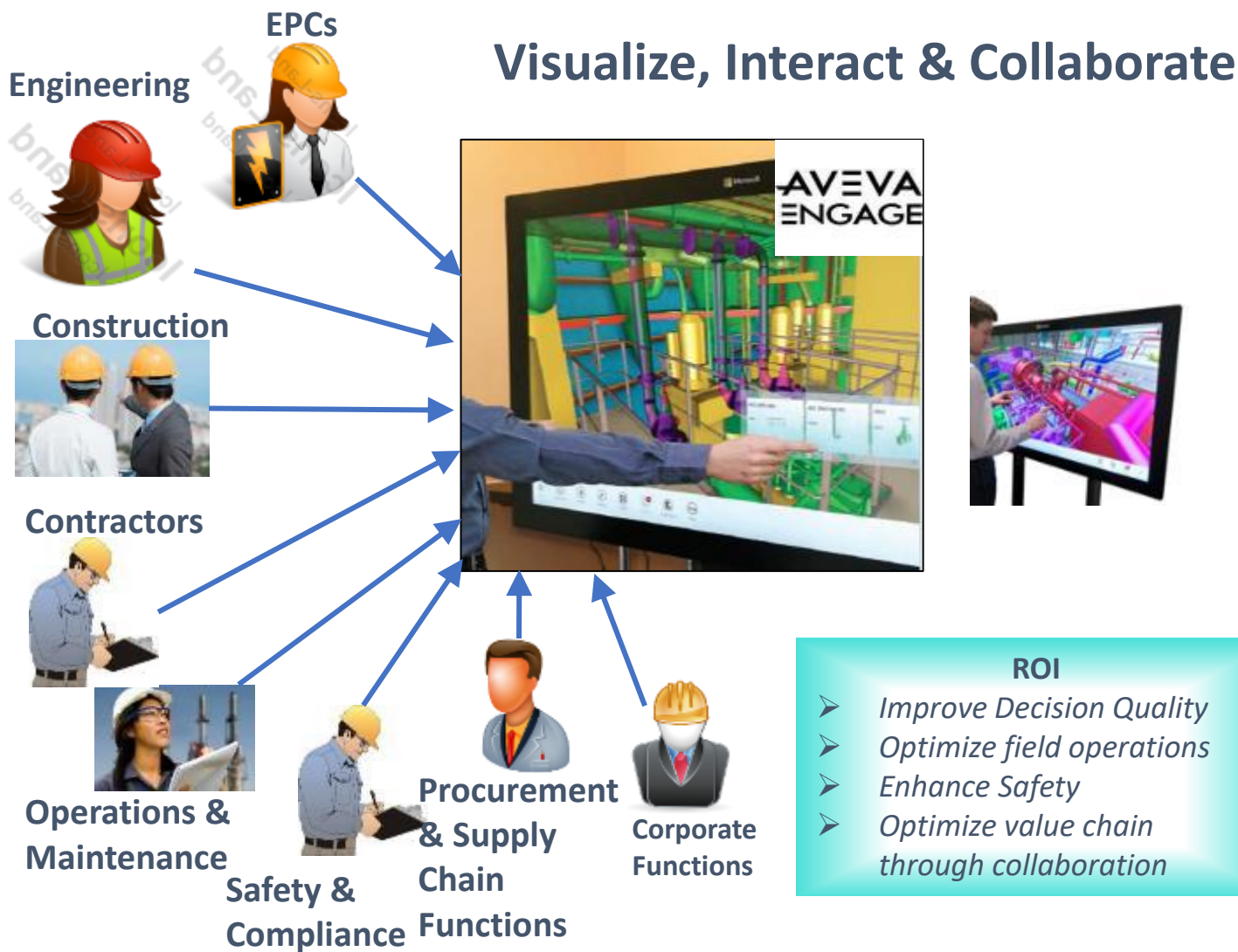
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Developing STEM/TECH Talent For Energy Transition & Digital Transformation

Creating Value, Enhancing Performance.



- ROI**
- Improve Decision Quality
 - Optimize field operations
 - Enhance Safety
 - Optimize value chain through collaboration

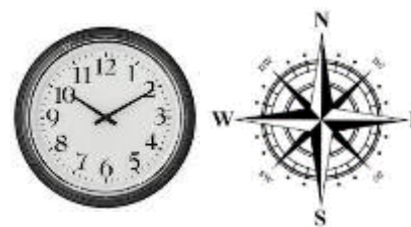
Be Technology Aware & Savvy



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1. Continuous Engagement
2. Thinking Global
3. Acting Local

1. Family
2. Friends
3. Colleagues
4. Acquaintances
5. Teams
6. Partners

Be Well-Rounded



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Problems
Issues
Challenges

1. Overcome Cultural Barriers
2. Become active in the Entrepreneurship Ecosystem
3. Understand the Business Ecosystem
4. Position for Opportunities
5. Build Capacity, Capability & Competence
6. Acquire Skills (Communication, Networking etc.)
7. Shatter the Glass Ceiling

Opportunities
Projects
Initiatives
Products
Services

Be a Value Creator

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Conclusion

1. Consider a Graduate Training Programme (GTP) or Management Training Programme (MTP)
2. Sign up for a Continuing Professional Development (CPD) with a relevant Association, Society or Institution.
3. Find or Seek Out Mentors, Coaches and Role Models
4. Gain an in-depth knowledge and understanding of what is required to run a Successful Career in the Energy, Power, Oil and Gas Industry
5. Have an in-depth knowledge and understanding of what is required to run a Successful Business in the Energy, Power, Oil and Gas Industry
6. Continuously seek to gain tangible experience, knowledge, skills and good practice.
7. Go back to School Regularly: Acquire Technical skills, soft skills and business development skills.
8. Be IT Savvy: Google Alerts, AI, ChatGPT, Data Analytics, Branding, Research & Development
9. Networking: Get Engaged within the Groups you are. Build Relationships with the Right People.
10. Understand Gaps. Learn to Connect Dots. Become a Value Creator & Strive for Value Addition.

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Women in TECH: Work From Home (WFH) & Work From Anywhere (WFA)

Creating Value, Enhancing Performance.





For your attention, Thank you.

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