



NAPE



July Technical/Business Meeting

Shell Nigeria's Bonga Field: From Discovery to Over One Billion Barrels of Production - Key Technical Insights, Milestones, and the Path Forward.



Speaker

Oludayo Fakunle
Asset Opp. & Devlp. Lead/
Bus. Opp. Manager,
SNEPCo



**Tuesday, 21st July,
2026**

**11 AM
WAT**

Venue

**Lantana Hall,
Eko Hotel and Suites
Victoria Island, Lagos**



Chairman

**Dr. Charles
Otoghile, FNAPE**
Geoscientist,
SLB

zoom
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Sponsor

For Enquiries: 08028386659 or osuagwu.l@nape.org.ng

Olajumoke Cecilia Ajayi, FNAPE
President

Dr. Anthony Ofoma, FNAPE, FMGS
President - Elect

Somime Oguntola
Publicity Secretary



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Agenda for July Technical Business Meeting

Arrival of Guests/Registration	10.00am - 11am
Welcome -Publicity Secretary	11am - 11.10am
Recognition of Dignitaries, Speaker, Chairman, Past Presidents, and Fellows - President-Elect	11.10am - 11.20am
NAPE President Welcome Remarks - President	11.20am - 11.30am
Introduction of the Chairman - President-Elect	11.30am - 11.35am
Introduction of the Speaker - Chairman (Dr. Charles Otoghile, FNAPE) Title of Presentation: Shell Nigeria's Bonga Field: From Discovery to Over One Billion Barrels of Production - Key Technical Insights, Milestones, and the Path Forward.	11.35am - 11.40am
Speaker: Oludayo Fakunle Asset Opp. & Devlp. Lead/Bus. Opp. Manager, SNEPCo	11.40am - 12.20pm
Chairman's summary/review of the presentation	12.20pm - 12.30pm
Question & Answer Chairman/Publicity Secretary	12.30pm - 12.50pm
Sponsors Remarks (Shell)	12.50pm - 1.00pm
Presentation of Gifts to the Chairman/Speaker/Panelists - President	1.00pm - 1.15pm
Announcements - Publicity Secretary	1.15pm - 1.25pm
Celebration of our FELLOW over 80yrs for the month of July	1.25pm - 1.40pm
Vote of Thanks-President - Elect	1.40pm - 1.45pm
Lunch	1.45pm - 1.50pm

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Abstract for July Technical Business Meeting

Shell Nigeris's Bonga Field: A Model for Sustainable Brownfield Excellence, from Discovery to Over One Billion Barrels of Production

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The Bonga Field, situated in OML 118 approximately 120 km offshore Nigeria in water depths of 900–1100 m, stands as Nigeria's first deepwater development and a cornerstone of the nation's upstream portfolio. Producing from eleven turbidite reservoirs through an extensive subsea network tied back to the Bonga FPSO, the field exemplifies world-class offshore engineering and reservoir management. The FPSO, with a processing capacity of 225,000 barrels of oil per day, storage capacity of 2 million barrels, and gas export capability to the Nigeria LNG plant, has been central to sustained production excellence in Nigeria.

Discovered in 1995 following the acquisition, processing and interpretation of 3D seismic data between 1993-1994 under OPL 212 (awarded in 1990), the field progressed rapidly through appraisal and development. Conversion to OML 118 in 1999 culminated in a Final Investment Decision based on an estimated recoverable resource of 576 million barrels. First oil was achieved in November 2005, marking the beginning of a transformative deepwater success story.

From its initial development of 16 wells from five reservoirs, Bonga has evolved significantly, with over 80 wells drilled and production expanded across eleven reservoirs—without increasing original connecting slot capacity since 2005. This reflects a disciplined, innovation-driven approach to field development and optimization. Some Key milestones include the production of 500 million barrels in 2014 and the successful tie-back of the Bonga Northwest field—the first deepwater satellite development in Nigeria—which extended field life and enhanced value delivery.



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Abstract for July Technical Business Meeting

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In February 2023, Bonga surpassed one billion barrels of cumulative oil production, significantly exceeding its original development expectations. This achievement underscores its status as a global benchmark for technical excellence, operational performance, and business success. The field's sustained performance is anchored on a strong foundation of people, advanced technical innovation, integrated asset management, high-efficiency infill drilling, and data-driven reservoir and production optimization. Supported by robust Turnaround Maintenance execution and system reliability, the asset has consistently achieved uptime levels of 95–97% over the past five years.

Beyond technical success, Bonga continues to deliver substantial economic value to Nigeria through safe and reliable operations, strong cash flow generation, and exceptional local content—boasting over 95% indigenous workforce participation. Strategic collaboration across government, partners, and regulators has further strengthened Bonga's long-term plan.

Looking ahead, ongoing life extension initiatives are expected to sustain FPSO operations for at least the next 15 years. Future growth is being driven by data-enabled near field exploration, infill opportunities, major tie-back developments such as the planned Bonga North project (2027/2028), and the phased development of additional fields within OML 118, including Bonga Southwest. These developments will leverage a proven, integrated delivery model refined through previous expansions.

Bonga's journey demonstrates how the integration of technical excellence, operational discipline, and collaborative stakeholder engagement can unlock enduring value in complex deepwater environments. It provides a replicable blueprint for maximizing brownfield performance, extending asset life, and enabling sustainable growth across the global offshore industry.



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