



South Sudan Petroleum Pipelines Company (SSPPC) Profile



The South Sudan pipeline is the lifeline of our national economy. SSPPC is fueling this flow



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**"A resource without a path is like a voice without a sound.
SSPPC is that path."**



Figure 1: South Sudan Oil Fields

1. MESSAGE FROM THE EXECUTIVE MANAGEMENT



Eng. Lang Deng Maluil

Managing Director, 2026

To our esteemed partners and dedicated workforce,

At the South Sudan Petroleum Pipeline Company (SSPPC), our mission extends far beyond the mere transportation of resources. We are the vital arteries connecting our nation's vast energy wealth to the global market—driving economic resilience and building a sustainable foundation for South Sudan's future.

"Together, we are not just maintaining critical infrastructure; we are forging tangible pathways to prosperity."

As we navigate a rapidly evolving global energy landscape, our focus remains steadfast on operational excellence, safety, and technological innovation. The milestones we have achieved are a direct testament to the unyielding dedication of our people on the ground and the unwavering trust of our strategic partners. Let us continue to work hand-in-hand, pushing boundaries and setting new benchmarks in the energy sector. Thank you for your continued commitment to our shared vision.

Signed



“Our integrity-led approach ensures that South Sudan's oil infrastructure operates at world-class standards. We are securing the future, one pipeline at a time.”

South Sudan’s petroleum resources remain a cornerstone of national development. The integrity and reliability of pipeline infrastructure safeguard national revenue, support investor confidence, and strengthen energy security.

At SSPPC, we operate with a safety-first culture, integrity-led decisions, and institutional governance. We welcome partnerships that accelerate modernization, improve operational performance, and deliver sustainable value for the Republic of South Sudan.

Mr. Ajak John Alier

Deputy Managing Director

2026

2. THE STRATEGIC PILLARS



VISION

SSPPC is destined to be the pioneer in consulting, managing, maintaining, and operating Oil and Gas, strategic storage, depots, and transportation means, in addition to providing reliable and sustainable services to the petroleum operating companies in the fields of South Sudan and beyond.



MISSION

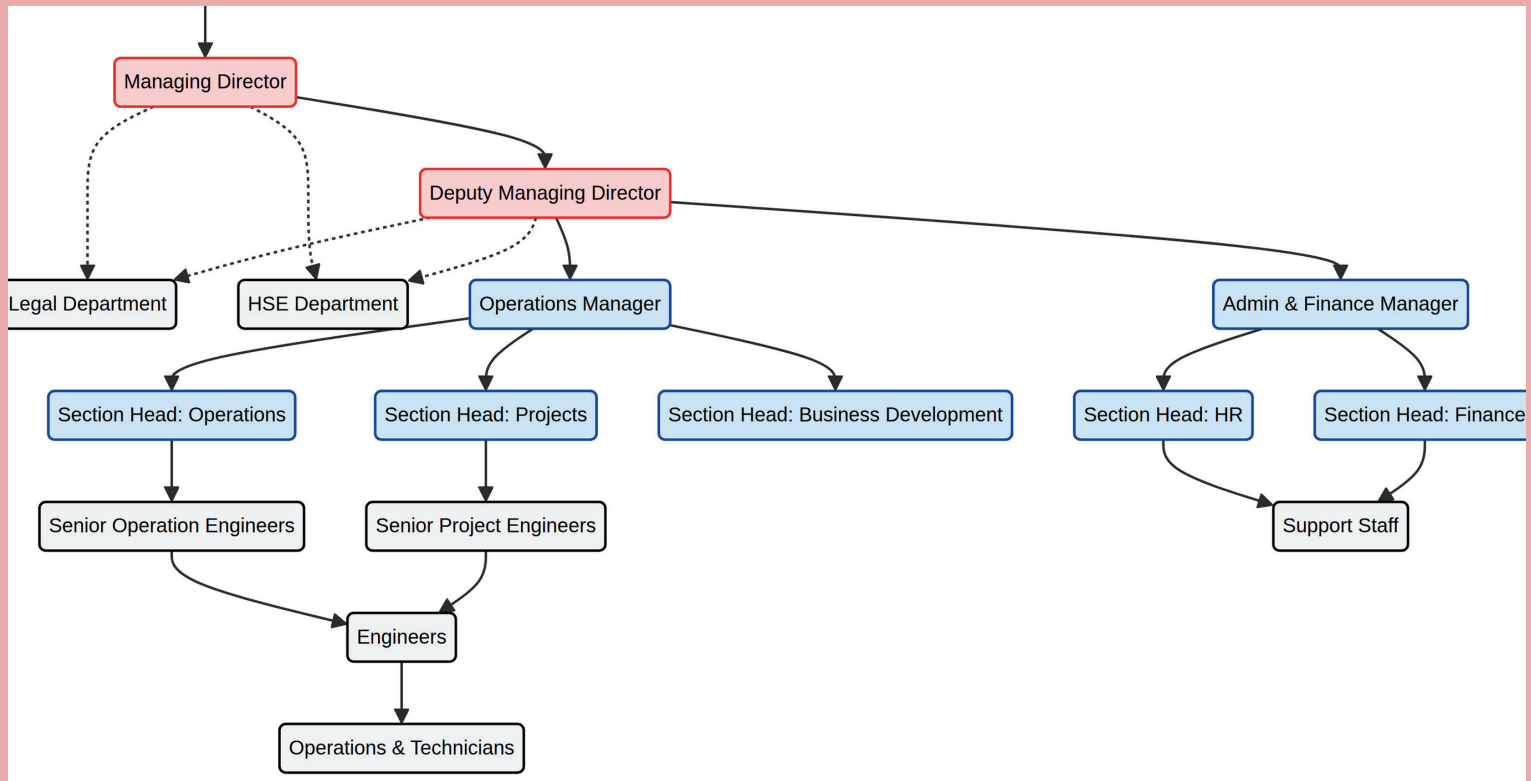
Establishing, operating, managing, and developing pipelines and warehouses, workshops; providing engineering, technical, and consultancy services at the highest levels of quality, safety, and preservation of the environment, depending on the best scientific techniques and commitment to develop human capabilities and to contribute to social corporate responsibility.



CORE VALUES

- Transparency
- Teamwork
- Professionalism
- Client satisfaction
- Social responsibility

SSPPC STRUCTURE



3. STRATEGIC MANDATE

The Foundation

Established on December 16, 2019, the South Sudan Petroleum Pipelines Company was brought into existence by a Resolution of the Council of Ministers during its regular meeting No. 20/2019, held on Friday, October 4th (provision 3), and formalized by Ministerial Order.

Ministry of Petroleum

Negotiates and enters into petroleum agreements and issues petroleum licenses. It regulates the petroleum sector and manages the relations between the Government and the petroleum companies, including the Government's national companies.

— Strategic Objectives —

1 Strategic Framework

We work within the framework of the strategic pillars of the oil sector.

2 Cost Optimization

Minimizing UPC (Unit Production Cost) of the crude oil barrel by providing competitive service.

3 Profit Maximization

Maximizing the company's profits by achieving a profit surplus of 20% by the end of the life of the strategy.

4 Export Readiness

Achieve the readiness of pipelines and their operating units for a sustainable and reliable exporting process.

5 Capacity Building

Upgrading and building human and institutional capacities by providing training opportunities.

6 Industry Localization

Contribution to the localization of the oil industry in the country.

7 Technological Advancement

Keeping pace with technological development by adapting the latest methods used for all O&M of the Crude and Products Pipelines.

8 Corporate Responsibility

Contributing to social corporate responsibilities for good and healthy ties with the local communities and safeguarding the environment.

4. OUR SERVICES

SSPPC offers a comprehensive suite of midstream and infrastructure solutions designed for the complex demands of the South Sudanese Oil & Gas industry.

✓ Engineering

Pipeline & riser Engineering.

✓ Software Solutions

Engineering Software Development & Solution.

✓ Material Testing

Material selection & Qualification Testing Consultancy.

Supply of Manpower in Operation & Maintenance of all projects and facilities.

Project Management Consultancy (PMC).

Asset Integrity Management services. Asset being pipeline, riser, and tank, among others.

✓ Corrosion Management

Comprehensive Corrosion Management solutions.

✓ Construction

Constructions of Roads & bridges, Real Estate, among others.

✓ MTM Inspection

Non-destructive and non-intrusive pipeline inspection services utilizing Magnetic Tomography Method (MTM) for onshore and offshore.

✓ Corrosion Protection

Corrosion Protection Service & Maintenance.

✓ Civil Work

Earth Moving & Civil Work.

✓ Cathodic Protection

Cathodic Protection System Inspection & Survey.



Valve Maintenance/Assembly: The SSPPC team is focused on a large flanged valve unit. Several workers are positioned around the valve's bonnet (the top part), using hand tools to either tighten or loosen the heavy-duty bolts that secure the components together.

SECTION 05

Engineering & MTM Innovation

FEATURED TECHNOLOGY: MAGNETIC TOMOGRAPHY METHOD (MTM)

Providing state-of-the-art, non-intrusive inspection for onshore and offshore assets without operational downtime.

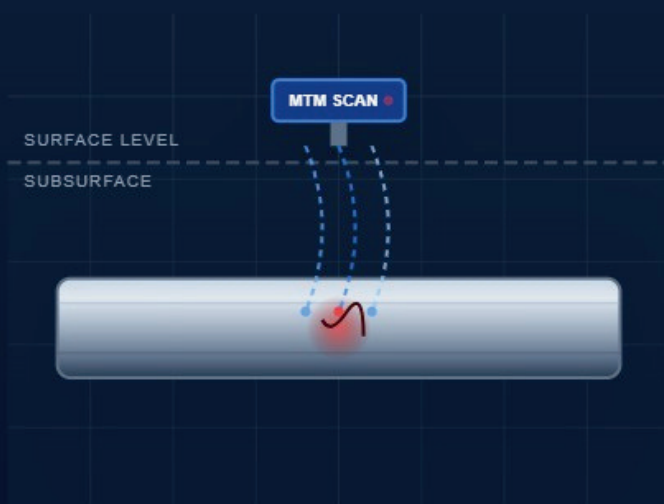


FIG 1. NON-INTRUSIVE MTM SENSOR ARRAY DETECTING SUBSURFACE PIPELINE ANOMALIES

● FEATURED TECHNOLOGY

Magnetic Tomography Method (MTM)

Providing state-of-the-art, non-intrusive inspection for onshore and offshore assets without operational downtime.

⚙️ How It Works

1 Non-Contact Data Acquisition

Highly sensitive magnetometers record the inverse magnetic field of the pipeline from the surface (land or subsea) without requiring direct contact, halting operations, or excavating the pipe.

2 Anomaly Detection

Changes and disturbances in the magnetic field caused by stress concentrations, metal loss, or mechanical damage are precisely logged alongside highly accurate GPS coordinates.

3 3D Tomographic Analysis

Proprietary software translates the magnetic data into a 3D stress map, evaluating the severity of defects and accurately calculating the pipeline's safe operating pressure limits.

SECTION 06

Our Projects

Operational highlights across major field sites.

Greater Petroleum Operating Company (GPOC) Projects in traction

Operations & Maintenance

ONGOING | 2020 - Present

O&M for EL NAR & TOMA SOUTH

Comprehensive operation and maintenance services across designated oilfields.

ONGOING / ACTIVE

Operational & Intelligent Pigging

Pipeline pigging service for MUNGA, ELNAR & TOMA-SOUTH interfields.

Main Contractor: SSPPC
Subcontracted Partner: CPP

CMME / Trunkline Repair

CONSTRUCTION OF MINOR & MAINTENANCE ENGINEERING (FLOWLINE & TRUNKLINE)

FTR WOR-024

Location: UNITY

COMPLETED 2025

FTR WOR-052

Location: ELNAR

COMPLETED 2025

FTR WOR-049

Location: TOMA SOUTH

COMPLETED 2025

FTR WOR-059

Location: MUNGA

COMPLETED 2025

Facilities & Electrical

COMPLETED 2023

Field Surface Facilities (FSF)

Project reference: TS-33

COMPLETED 2023

Electrical Distribution System (EDS)

Infrastructure for new infill wells, including ROW for cable laying routes, termination, and associated works.

Reference: ET-31

Reference: ET-32

GPOC Projects

O & M for Alnar and Toma South, Unity state



Figure 3: FPF operator.



Figure 2: Control room operator

The **Control Room Operator** (Figure 3) is monitoring and controlling the entire production process from a centralized facility, using SCADA systems to track pressures, temperatures, and flow rates while remotely operating valves and equipment. The **Field (FPF) Operator** (figure 2) works directly on the plant floor, conducting physical inspections, manually operating valves, and troubleshooting equipment issues. Together, they maintain constant communication to ensure safe, efficient production and

Field Surface Facility (FSF)



Figure 4: joint welding for new infill well flowline by certified 6G welders.

Certified 6G welders are performing a critical joint on a new infill well flowline. This specialized welding certification allows them to weld pipe in a fixed position, demonstrating their ability to create a flawless seam from all angles. The new flowline will connect the recently drilled well to the existing production manifold or header system. This precise welding ensures the pipeline's integrity to safely handle high-pressure hydrocarbons without leaks

ELECTRICAL DISTRIBUTION SYSTEMS EDS



Figure 5: cable termination.

the engineers are performing the precise and critical task of **terminating high-voltage cables**. This involves carefully preparing the cable end by stripping away its outer layers, then installing specialized connectors and insulating materials to create a safe and reliable connection point, often within an explosion-proof junction box or on a piece of equipment like a pump motor.



Figure 6: Connected cables

Flowline and trunkline (FTR) repair work at Unity Oil field

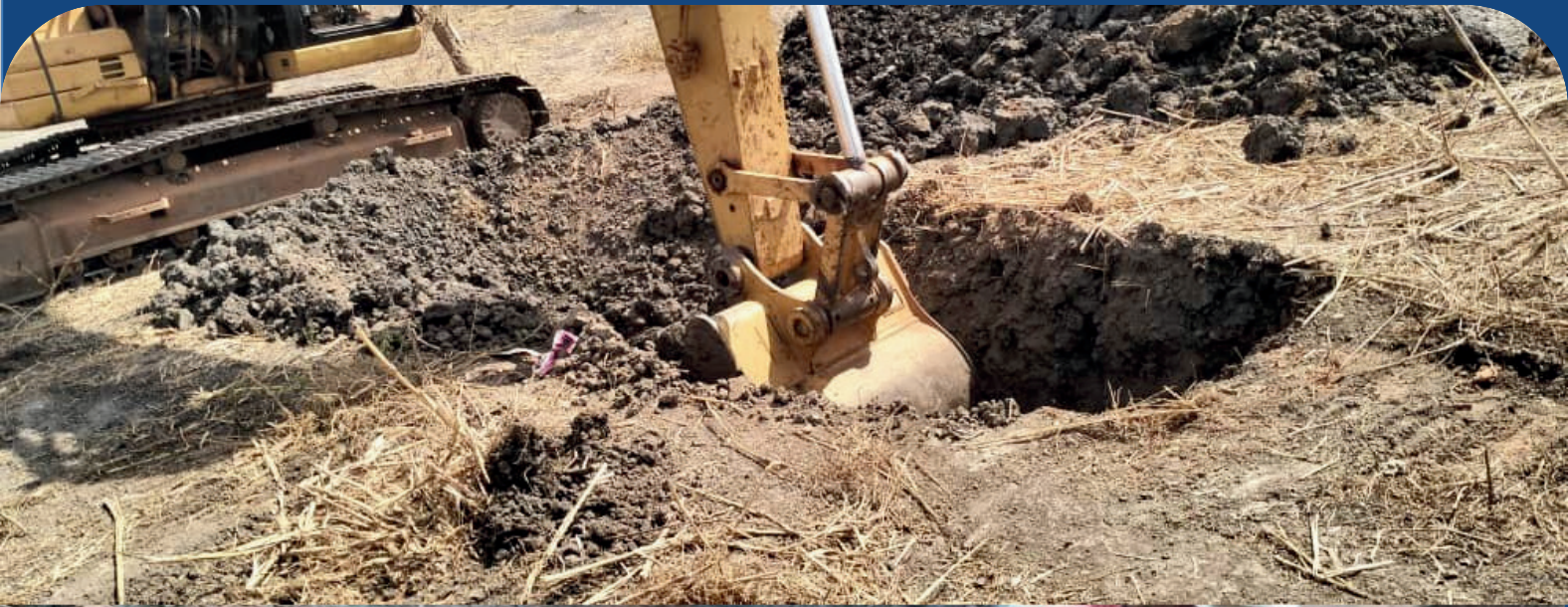


Figure 8: Excavation of working pit

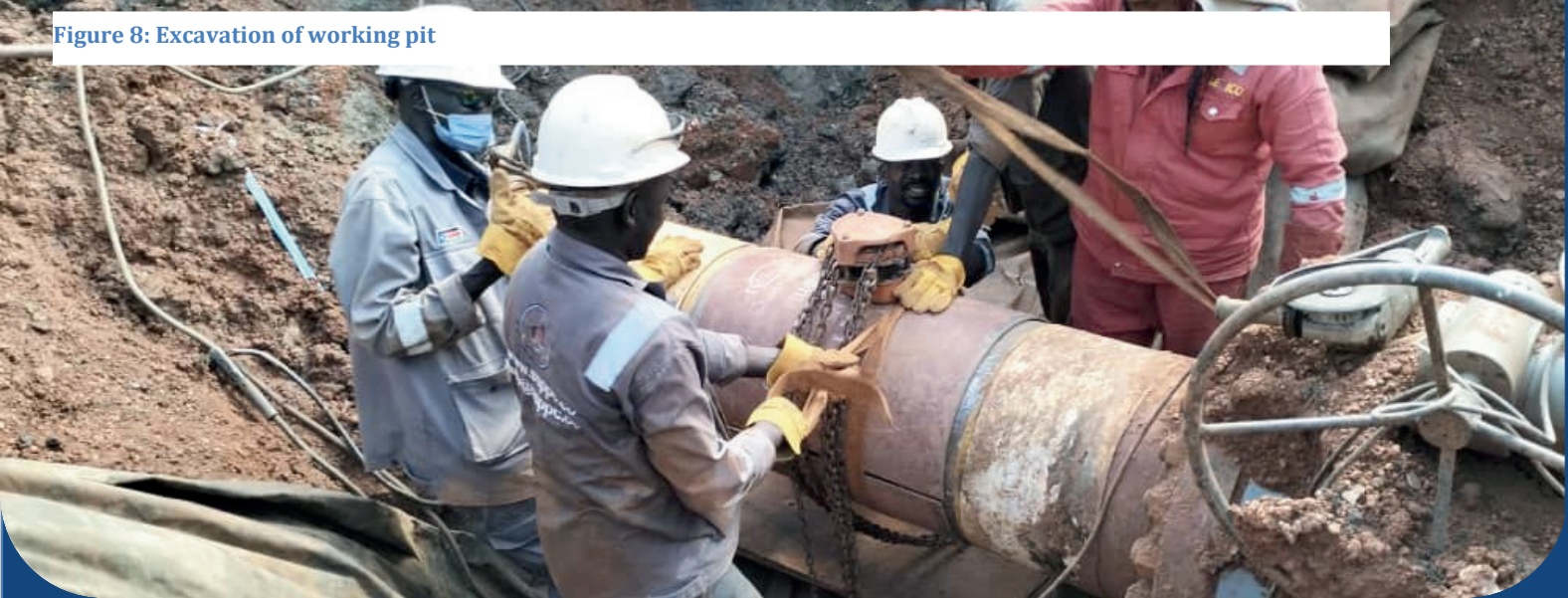


Figure 7: installation of pipe sleeve

The top image shows an excavator opening a trench to expose a buried flowline or trunkline for repair work. Once the pipe is uncovered, engineers enter the excavation with full PPE to assess the damaged section. They are aligning and securing a replacement spool or repair clamp onto the exposed pipeline using lifting chains and slings. The team is positioning the repair piece carefully to ensure proper fit and alignment with existing flanges. After final tightening and inspection, the repaired line would be prepared for backfilling and return to service.

Hot tapping is taking place at Unity Oil Fields



Figure 9:connecting sandwich valve



Figure 10: pipe tapping

Engineers working on an exposed buried pipeline at a tapping location. They are installing or maintaining a **sandwich** valve assembly around the live pipeline, using heavy mechanical and hydraulic equipment to secure it. The team is preparing for hot tapping, allowing a new connection or branch line without shutting down the main pipeline. On the right, engineers stand on a platform operating the tapping machine to cut into the pipe safely and control the new flow path.

Sudd Petroleum Operating Company (SPOC)

Aboveground Maintenance works



Figure 11: above ground heat tracing



Figure 12: above ground work

field engineers working on above-ground oil pipelines and valves in an outdoor facility. They are wearing full PPE, including helmets and coveralls, while performing maintenance and inspection tasks on the line. In the left image, an engineer is using a test device connected to the pipeline to check electrical and instrumentation parameters. In the right image, two engineers are manually operating a large valve, possibly to isolate, open, and regulate flow through the pipeline.

ICCP – Main Export Pipeline



Figure 13: installation of new test post for impressed current cathode protection along 24" Tharijath main export pipeline.

Installation of a new test post for the Impressed Current Cathodic Protection (ICCP) system along the 24-inch Tharijath Main Export Pipeline. The test post is installed to facilitate monitoring of pipe-to-soil potentials and to ensure the effectiveness of the cathodic protection system against external corrosion. This activity forms part of routine pipeline integrity management and corrosion control operations along the export pipeline corridor. Proper installation and commissioning of the test post will support continuous monitoring and long-term protection of the pipeline infrastructure.

Underground Valve Maintenance

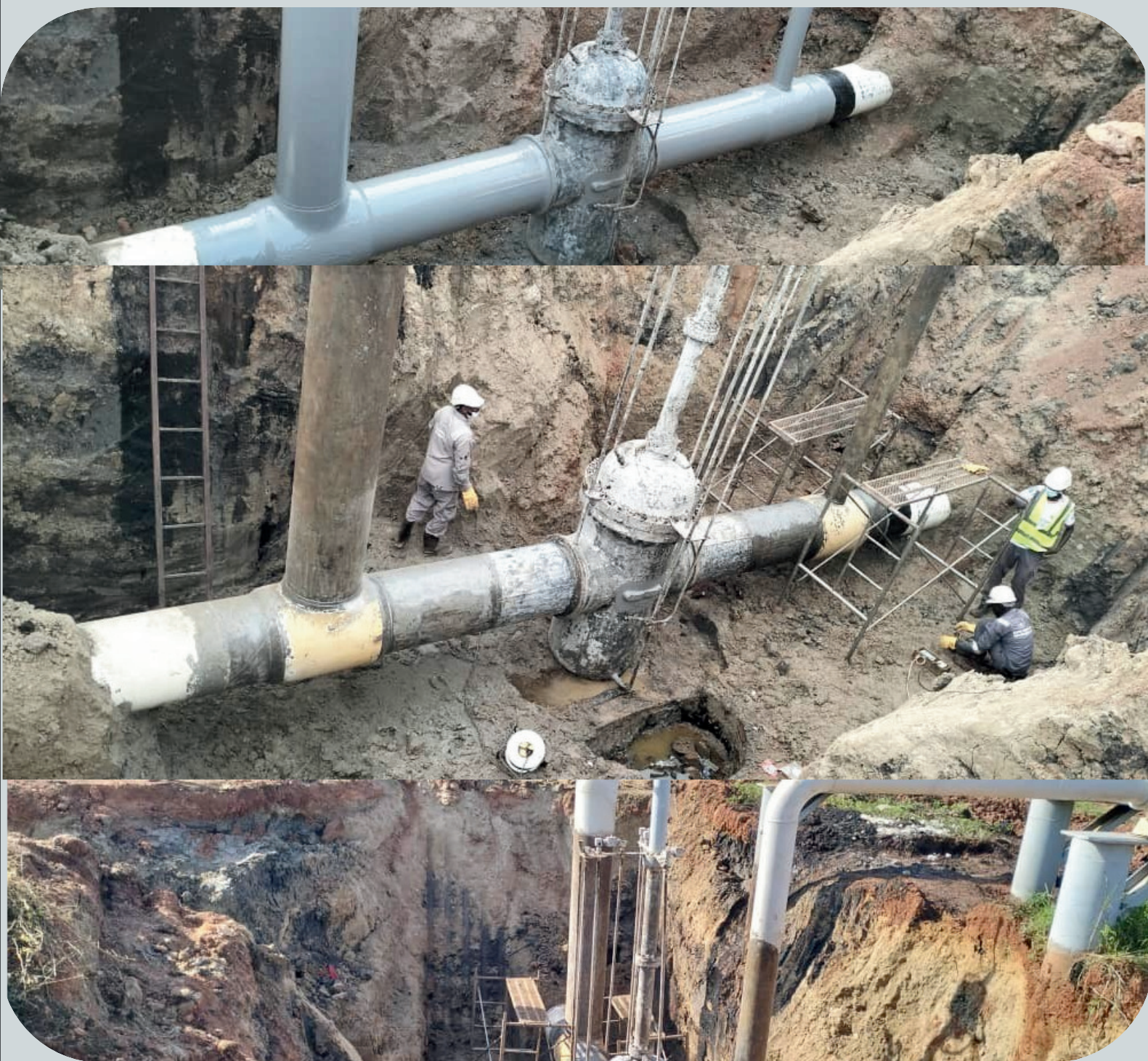


Figure 14: underground valve maintenance taking place.

Crew repairing a major underground pipeline valve in a deep trench — inspection, sealing, and safety gear in action. Rupture maintenance at Block Valve station 3

DPOC Projects in Pictures.

O and M at Palouch Oil Field – PS1



Figure 15: Pig launching

These engineers and technicians are **positioning and installing a heavy pipeline component using a crane and a lifting beam.** They are **aligning and lifting equipment for pipeline installation and maintenance.** The technician is guiding the suspended load to **ensure proper alignment before bolting, welding, or fitting it into the pipeline assembly.**

Intelligent Pigging (IP) Main Pipeline

Joint inspection successfully done for 32" DPOC main Export Pipeline IP TOOLS (DPOC, SSPPC& ROMSTAR) attended at DPOC Juba warehouse Prior transportation to PALOCH



All the materials are at the field. the teams are launching the pig.
Cleaning pig is being launched.



Lake No Project–MoP



Figure 16: Lake No road construction

Distance-25 KM

Year Of Project: 2023 completed in 2024. The duration of the project was 12 months.

this projected was executed by SSPPC and it was awarded by the ministry of Petroleum, South Sudan. The project was done with national development goals to allow access to the lake No Port to ease activities such as transportation

ROW - MALA



Distance: 40.44km

Figure 17: ROW clearance

Year: 2023.

the contract period was 3 months and it was successfully completed within the timeline.
the project was executed to clear a path to allow the maintenance of the pipeline

Akoka-Malakal Road Project



Figure 18: Road construction is going on

Distance-15 KM

Year Of Project: 2023. the project was completed in 2024

the projected was executed to construct a connecting road between Malakal and Akoka to promote transport and easy movement of people and goods

Block Valve Station-1 Construction



Figure 19: BVS-1 fabrication and the building

This is block Valve Station 1 which was damaged during conflict. the SSPPC was contracted to do a full renovation of the station. Inside the station is the BVS 1 contro room for maintenance. Cutting aluminium and metal framing pieces using a powered mitre saw as part of a fabrication measuring and cutting metal profiles for window, door frames, and structural fittings is happening to facilitate repair

7. RENEWABLE TRANSITION

Powering Ministry Data Centers with Solar Energy.

SSPPC team successfully sized and installed the system for the MoP Data Center, which is our effort to include energy transition in fighting global warming.



Figure 20: installed solar panels

Solar Capacity: 45KW

Year: 2024. SSPPC was contracted by the Ministry Of Petroleum to construct and install for them a 45KW solar for their data center at their new building. the project was executed excellently

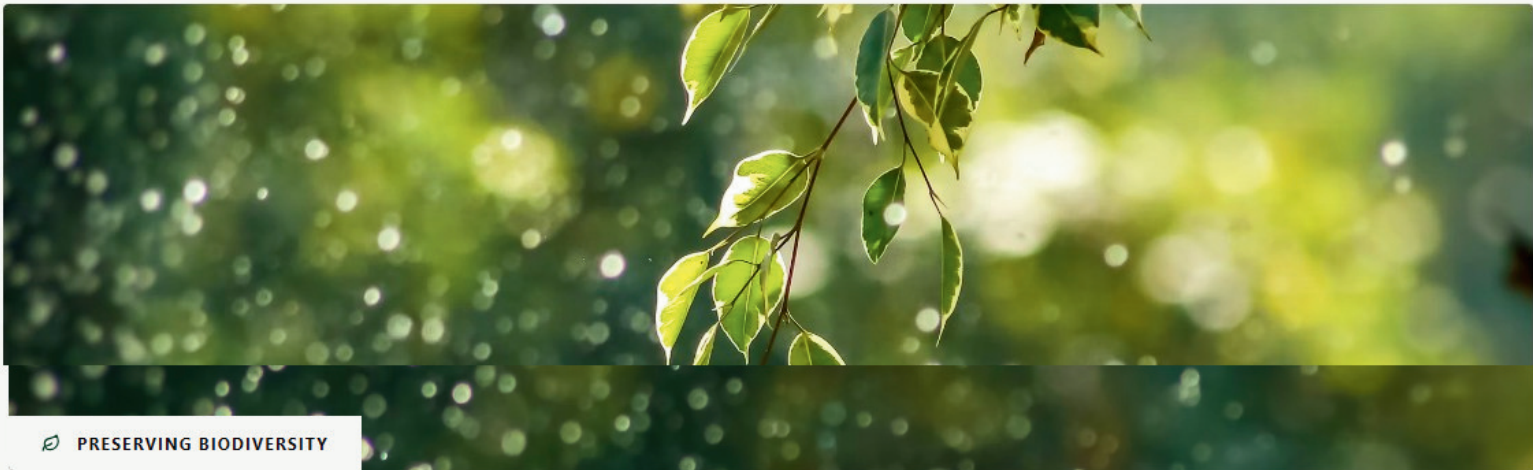
8. QUALITY ASSURANCE

Beyond the Pipeline: A Steadfast Commitment to *Life & Land.*

For the South Sudan Petroleum Pipelines Company, operational excellence is inextricably linked to our stewardship of health, safety, and the ecosystems we traverse.

THE VITAL CORE

"Environmental protection is not a compliance metric; it is the vital pulse of our legacy."



PRESERVING BIODIVERSITY

At SSPPC, we recognize that our most valuable assets are the people who power our operations and the communities that surround them. We are resolutely committed to the safety of our employees, contractors, and the general public. Operating in the dynamic energy sector requires a culture where safety is a fundamental core value. We integrate comprehensive environmental, health, and safety (HSE) programs into every facet of our business operations, from initial pipeline design to daily maintenance and strategic storage management.

Environmental protection is vital. It is the lens through which we view our future. As we oversee the operation and expansion of critical petroleum infrastructure, we understand the

profound responsibility we hold towards the ecosystems we interact with. Our approach relies on the best scientific techniques to actively minimize our ecological footprint. We deploy advanced leak detection technologies, comprehensive spill prevention protocols, and continuous environmental audits to ensure that the land and water resources of South Sudan remain pristine.

Our vision is to provide reliable and sustainable services while contributing to social corporate responsibilities. Good and healthy ties with local communities are built on trust, and that trust is maintained by our unwavering dedication to safeguarding their environment. We believe that national economic development and energy security must never come at the cost of the natural world.

Global Standards

SSPPC operates in strict observation of rigorous international HSE benchmarks. We do not merely meet local regulations; we align with global best practices to ensure world-class accountability.

ISO 14001 Framework

Adherence to premier Environmental Management Systems, ensuring our operations systematically reduce waste and prevent pollution.

ISO 45001 Framework

Observance of Occupational Health and Safety standards to proactively prevent workplace injury and provide a safe, healthy environment.

"Our commitment to safety and the environment ensures that the energy we transport today does not compromise the world we inherit tomorrow."

→ **API Guidelines**

Following American Petroleum Institute standards for pipeline integrity, mechanical safety, and operational reliability.

VIEW FULL HSE POLICY →

MESSAGE FROM THE OPERATIONS AND PROJECT TEAM



Eng. Adam Ali Adam

PROJECTS & OPERATIONS MANAGER

South Sudan Petroleum Pipelines Company

"Project viability is secured well before the mobilization of heavy plant machinery; it stems from rigorous Front-End Engineering Design and comprehensive risk mitigation."

WELCOME STATEMENT

Welcome to the Projects and Operations Directorate of the South Sudan Petroleum Pipelines Company (SSPPC).

In the highly volatile and complex operational theater of the midstream oil and gas sector, integrated lifecycle planning transcends standard procedure—it is the critical path to robust project delivery, asset integrity, and uninterrupted throughput. At SSPPC, we recognize that project viability is secured well before the mobilization of heavy plant and machinery; it stems from rigorous Front-End Engineering Design (FEED), strategic resource allocation, and a comprehensive mitigation of geopolitical and environmental risks.

Our directorate is anchored by a cadre of deeply experienced and technically astute engineering and operational personnel. These subject matter experts adeptly navigate the multifaceted variables and dynamic operational constraints inherent to pipeline logistics and infrastructure development. They possess the operational resilience to manage high-pressure, time-critical scenarios, ensuring that our strategic master plans translate into flawless, incident-free execution on the ground.

While SCADA systems, predictive maintenance algorithms, and optimized CAPEX/OPEX models are vital to our operational efficiency, we maintain that optimal yields are achieved by synthesizing human capital, cutting-edge technology, and an uncompromising safety culture. A Project Execution Plan (PEP) or a baseline schedule may appear linear in the abstract, but its intrinsic value lies in orchestrating complex field operations to achieve mechanical completion on schedule, within budgetary tolerances, and in strict adherence to HSE (Health, Safety, and Environment) protocols.

Supported by the strategic governance of our Board of Directors and the steadfast directives from the Undersecretary of the Ministry of Petroleum, SSPPC is strategically positioned for sustained capacity growth and operational excellence. We remain resolutely committed to optimizing our pipeline infrastructure and maximizing throughput efficiency in every venture we undertake.

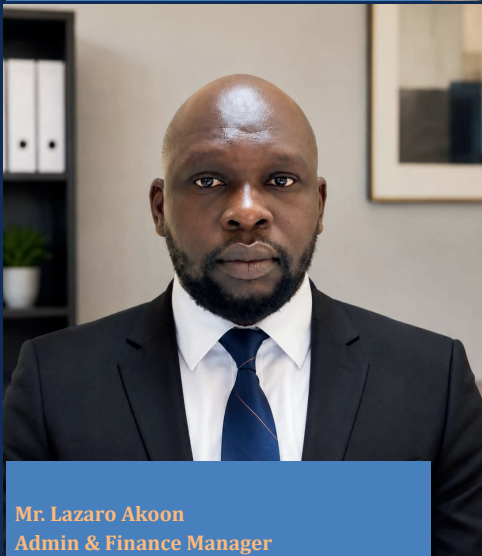
THANK YOU FOR YOUR CONTINUED ENGAGEMENT WITH OUR STRATEGIC INITIATIVES.

SSPPC Technical Team

The SSPPC Technical Team comprises highly skilled and experienced engineers, technicians, and field specialists dedicated to delivering safe, reliable, and innovative solutions across the oil and gas sector. With expertise in operations, maintenance, pipeline integrity, intelligent pigging, project management, and engineering services, the team is committed to maintaining the highest standards of quality, safety, and operational excellence. Through teamwork, technical competence, and continuous improvement, SSPPC's technical professionals play a vital role in supporting efficient petroleum infrastructure and sustainable industry development.



Eng. Adam Ali Adam
Operation Manager



Mr. Lazaro Akoon
Admin & Finance Manager



Eng. Yousof Ismail Abbakar
Section Head, Operations



Eng. Joko Wani Lumoro
Section Head, Projects



Mr. Athuai Magot
Section Head, Human Resource



Mr. Isaac achuil Guor
Section Head, Business Development



Mrs. Jenifer Nunu John
Section Head, Finance



Mr. James Minyiel Machok
Senior Health, Safety and Environment



Mr. Chol Thon
Senior, Information, Communication
& Technology

9. GLOBAL PARTNERS AND CLIENTS

Our partners are renowned international companies with vast experience in the industry. This gives us a rare advantage in exposure. These companies are from Malaysia, China, India, etc. We also work with experts from different parts of the world, making us a formidable company in the oil industry

International Partners



Local Partners

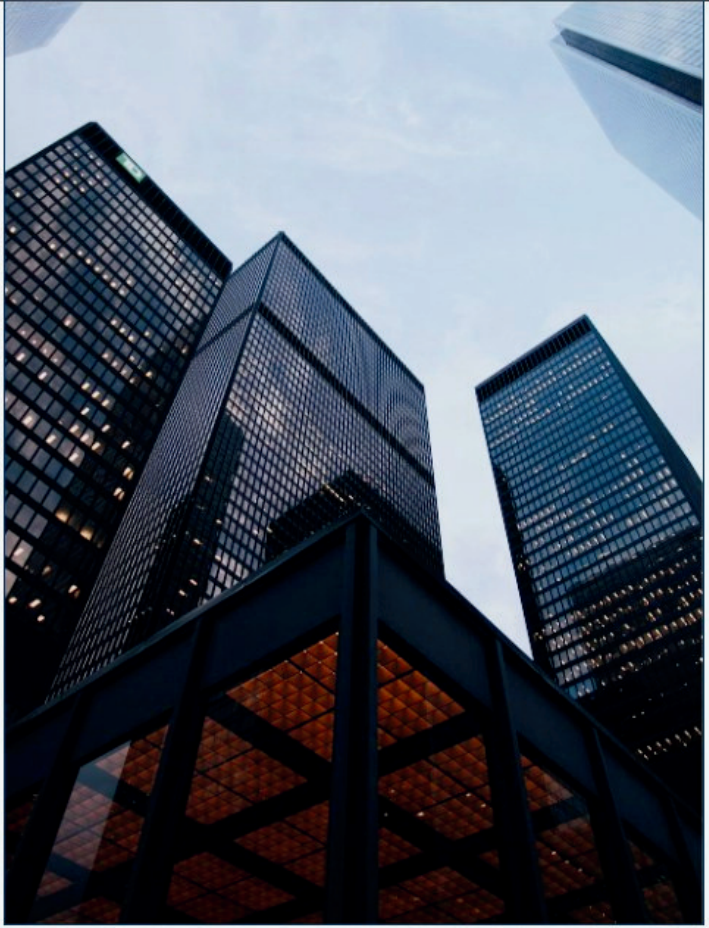


MINISTRY OF FINANCE AND PLANNING

Our strategic Clientele



10. Where to find us:



Fueling
the future.

CONNECT WITH US

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