A world designed to last

Technip Energies in Africa

More than 60 years of successful engineering, project delivery and capacity building



TECHNIP ENERGIES

A unique offering

Technip Energies is a leading engineering and technology company serving the energy industry and its transition. Through our extensive portfolio of technologies, products and services, we break boundaries, bringing our clients' innovative projects to life while accelerating the energy transition for a better tomorrow.

A presence across the entire value chain

PROJECT DELIVERY

- Project management
- Engineering, Procurement and Construction
- Technology Integration on complex projects
- Digital applications for project execution and safe and cost-effective operations and maintenance
- Project financing

TECHNOLOGY, PRODUCTS AND SERVICES

- Process technologies and licensing
- Proprietary products: Loading Systems and Cybernetix
- Concept feasibility, FEED studies
- Advisory Genesis
- Project Management Consultancy

Full coverage of diverse markets

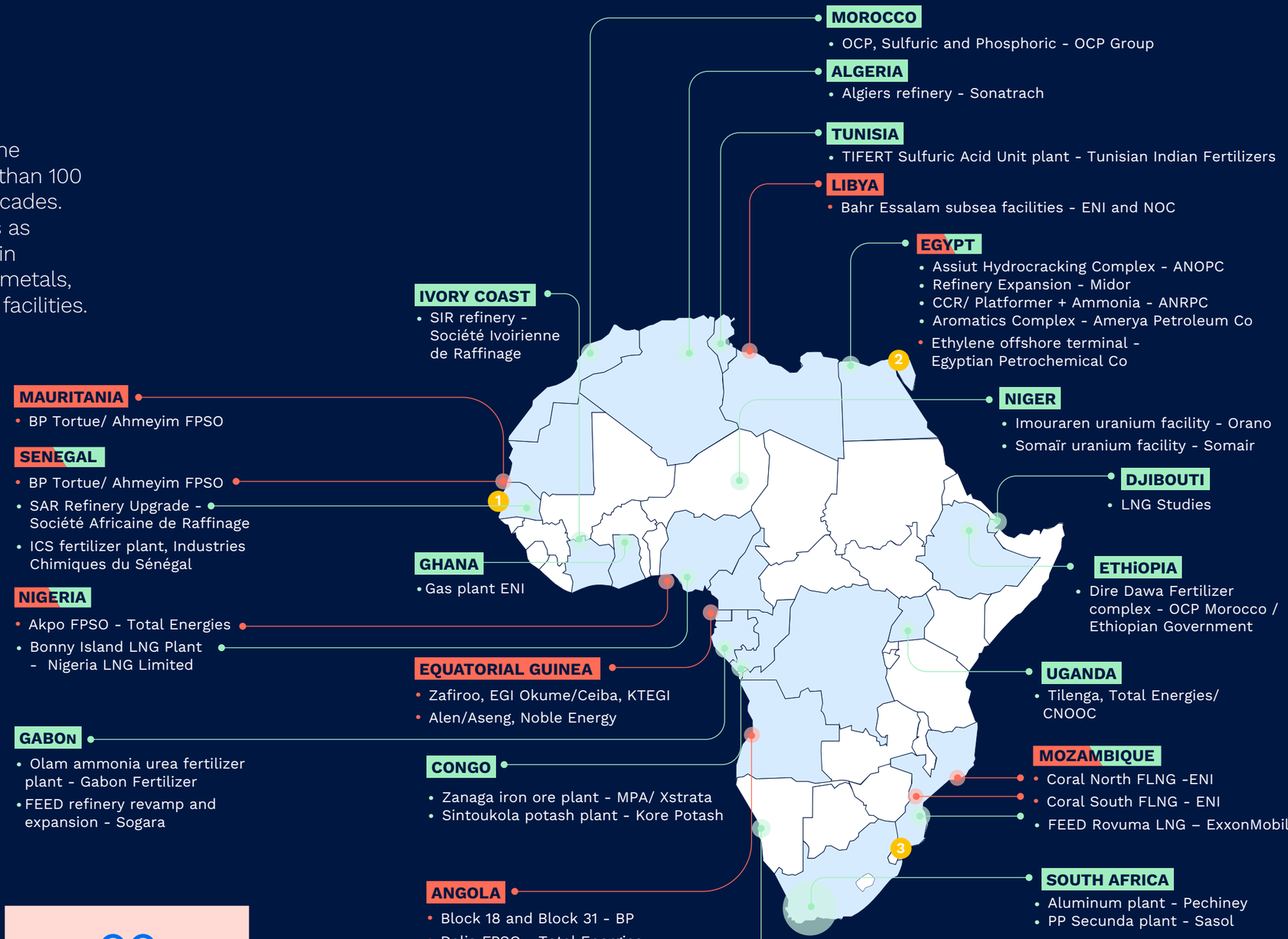
- LNG & gas monetization
- Sustainable chemistry
- Hydrogen
- CO_2 management
- Offshore
- Refining
- Ethylene
- Petrochemicals
- Fertilizers
- Mining & metals
- Nuclear
- Life sciences
- Agritech

Your partner in Africa

As a leading engineering and technology company for the energy transition, Technip Energies has delivered more than 100 successful projects in Africa during the past six plus decades. We offer technological solutions, products and services as well as turnkey contracting and construction expertise in downstream, particularly LNG, Gas-to-Power, mining & metals, and in offshore businesses, including floating and fixed facilities.

Accelerating the energy transition for a better tomorrow

- Skilled workforce based in regional offices
- On average 80% local employees
- The world's largest FPSOs
- Africa's largest LNG plants
- Africa's first new-built FLNG



65+
years in Africa

100+
Projects LNG, Gas-to-power
Mining & Metal
Offshore & Onshore

80%
local employees

Technip Energies Regional Offices:

1. Dakar, Senegal
2. Cairo, Egypt
3. Maputo, Mozambique

ONSHORE PROJECTS

OFFSHORE PROJECTS

Assisting clients toward net-zero trajectory

Through extensive experience, technologies, project management, integrated expertise and EPC capabilities, we break boundaries and accelerate the journey to a low-carbon society.

We assist our clients toward net zero by offering solutions to tackle energy trilemma.

Strategic flexibility

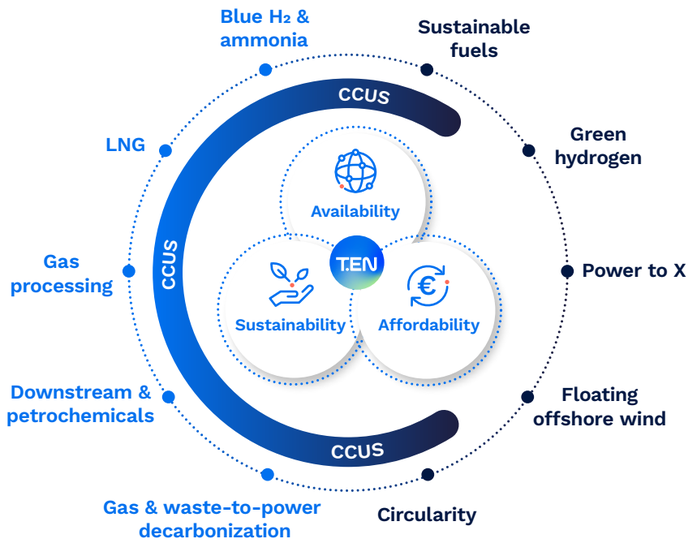
We provide architect mindset from energy source to end-use

- Feedstock agnostic - outstanding energy molecule transformations capabilities
- Technology-driven - integrate complex technologies, including proprietary, to meet project specificities and economic hurdles

Exceptional execution

We offer proven operating model, highly applicable to sustainable energy solutions.

“Applying our core capabilities to today and tomorrow’s key energy challenges”



From feasibility studies to project delivery and beyond

Project Phase	Scope	
Genesis Conceptual Studies	• Master plan development • Feasibility studies • Concept screening and select stage studies • Field development studies	• Master plan development • Screening and assess stage studies • RAM studies • Flow assurance • Rigorous blowdown modeling
Project Definition	• Basic engineering	• Front-end engineering design
Project Execution	• Project management • Detailed engineering • Procurement • Inspection, expediting • Yard fabrication	• Logistics and transport • Construction, installation, hook-up, commissioning and startup; Performance testing • O&M support
Technology Selection	• LNG & Gas • Hydrogen • Decarbonization • Sustainable Chemistry • Floating Wind	• Mining & metals • Ethylene • Refining • Petrochemicals and Polymers • Fertilizers
All Project Phases PMC	• Specialist consultancy services • Owner’s engineer	• Project management consultancy



A long-standing commitment to Africa

Since 1958, Technip Energies has demonstrated an enduring commitment to Africa by maintaining local engineering and support offices in key countries across the continent.

Maputo Office, Mozambique

Since 2014, we have solidified our presence in Mozambique, starting with our first major award, Coral South FLNG, successfully delivered on time and within budget in 2023. We also established Mozambique's first engineering company through a joint venture with ENHL (Empresa Nacional de Hidrocarbonetos Logística), named ETJV. The majority of our workforce is Mozambican. Recently, in partnership with JGC Corporation, we were awarded a FEED contract for Rovuma LNG Project by ExxonMobil. This achievement strengthens our local presence, supports future LNG development, confirms our robust engineering capabilities, and reinforces our position as Africa's global LNG leader.

New Cairo Office, Egypt

Our involvement in Egypt dates from the mid-1970s, having completed more than 30 projects in onshore, refining, petrochemicals and diversified industries. Our office facilities in New Cairo offer operational, logistic, security and financial support to all our projects and entities in the country. Our permanent staff provides clients with full-service offerings and technologies in all segments of operations from feasibility studies and FEED to lump sum EPC and project management consultancy.

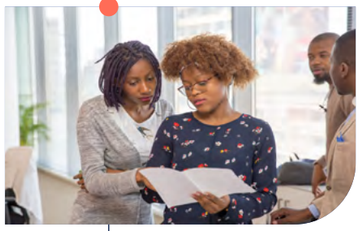
Dakar Office, Senegal

In Senegal, we have built a sustainable and diversified presence with major projects involving acid plants, fertilizer plants and refinery upgrades. In 2017, we have opened an office in Dakar to support the local energy industry and offer a solid, reliable and long-term partnership and expert capabilities. Our ambition is to invest in education, build and strengthen partnerships with universities and institutes like INPG, develop technology transfer with Petrosen & COS Petrogaz, provide training and recruitment of local talents and promote industrial investment.













Developing human capital & engineering expertise in Africa

Relying on local resources is part of Technip Energies' strategy to contribute to long-term business development and economic growth in Africa. The communities we work with are key stakeholders for projects we deliver. Our efforts include employing a national workforce, providing training to local talent and working with local suppliers.

People

- Employing a national workforce at an average rate of 80%
- Training and developing local talent

Capabilities and facilities

- Partnering with NOCs to transfer technology.
- Supporting local operations by investing in world-class facilities and equipment.

Academia and CSR projects

- Partnering with local universities to advance the next generation of engineers through lectures, scholarships, internships and material support such as equipment.
- Promoting education by building schools and providing school supplies.
- Supporting health care by helping to prevent infectious diseases such as malaria, building nurseries and other facilities.
- Protecting the environment by providing sustainable equipment such as solar panels and implementing tree planting initiatives.
- Supporting CSR initiatives to contribute to the sustainable development of the communities.

Supply chain

- Developing local suppliers in domains/disciplines linked to the energy sector, such as logistics, machining, welding and fabrication.

Effective and sustainable financing solutions

Technip Energies provides tailor-made and effective support solutions to facilitate the implementation of financing.

We offer clients global industrial solutions focused on their project performance. We have strong connections with ECAs and capabilities to support project funding. We are committed to leading our clients through all study phases until plant construction and commissioning.

IMPLEMENTATION OF SELECTED FINANCING STRUCTURE UNTIL FINANCIAL CLOSURE

- Strong negotiating position with banks, owing to Technip Energies' use of a wide range of banking products and services
- Privileged relation with ECAs including BPI France, SACE (Italy) and Euler Hermes (Germany) and detailed knowledge of process and expectations
- Hands-on experience with financial advisors and other key players such as ECA agent banks
- Project management track record and in-depth credit risk analysis of key players.

SUPPORT FOR SECURING FINANCING SOLUTIONS BY LEVERAGING OUR WORLDWIDE NETWORK OF FINANCE SPECIALISTS

- Getting involved at the early-stage to assess a project's bankability
- Providing an indicative view of potential financing sources' appetite and capacity
- Assessing possible financing structures
- Leveraging our global procurement to access reliable and favorable financing sources
- Reviewing alternative contractual structures to combine optimization of attractive financing sources and operationally efficient project management strategy
- Introducing and negotiating with financing partners to obtain best competitive offers

PROJECT FINANCING REFERENCES

2015

LUKOIL NEFTOKHIM BURGAS HEAVY RESIDUE PROCESS COMPLEX
Corporate Finance with PCG from OAO Lukoil - SACE

DOFTECH DA - SKANDI ARTIC
Corporate Finance: Eksporfinans

TP-NPV SINGAPORE LTD DEEP ENERGY
Corporate Finance with Multisource Export Credits: Finnvera / COFACE

2016 / 2017

YAMAL LNG
Project Finance : BPI France / SACE / JBIC / China Exim / EXIAR / Euler Hermes

SKANDI AÇU
Structured Corporate Finance

ZAPSIB 2 / SIBUR PETROCHEMICAL COMPLEX (POLYETHYLENE)
Export Credit: COFACE

CORAL FLNG
Project Finance: BPI France / SACE / KEXIM / K-SURE / China Exim

2022

BAPCO MODERNIZATION PROJECT
Project Finance: SACE / KEXIM / K-SURE / UKEF

MIDOR REFINERY EXPANSION PROJECT
Export Credit: SACE

PRE-CONTACT AWARD

REVIEW FINANCING ALTERNATIVES
with client

SECURE POTENTIAL FINANCING SOLUTIONS
and perform quantitative and qualitative assessments to maintain competitive tension among all potential financing providers

APPROACH SELECTED ECAs AND IDENTIFY ECAs PROCUREMENT CONSTRAINTS
(if any) according to client financial priorities/financing offers

DEFINE OPTIMUM CONTRACTUAL STRUCTURE
to maximize ECAs' potential support by leveraging our worldwide presence

EXECUTION PHASE

SUBMIT CONTRACTUAL BONDS
as per contract requirements

IMPLEMENT UNDERLYING DOCUMENTATION
required by ECSs / lenders

SUPPLY CONTRACTUAL ECA SOURCING MATRIX
(if any) and liaise with ECA agent banks in line with respective ECA requirements

INVOICE PROJECT COMPANY AND RECEIVE PAYMENTS
as per financing arrangements

A proven track record of successful projects

We are a diversified provider of projects, technologies, products and services. we are a leader in project delivery with a strong history in africa. Our engineering and technical expertise supports a renowned project management model.

- Project management
- Financing
- Engineering
- Procurement
- Construction
- Commissioning
- Operations
- Plant expansion and debottlenecking
- Plant decommissioning

Our key references

Technip Energies has successfully executed major projects in Africa from engineering studies to construction and commissioning.
Our recent project awards are examples of our diversified capabilities, technological innovation and ability to respond to our clients' needs.



CORAL SUL FLNG

- **Contract: EPCIC**
- **Delivery: 2023**
- **Location: Mozambique**
- **Award: 2017**
- **Client: Coral FLNG SA**

Technip Energies' work on Coral Sul FLNG covered engineering, procurement, construction, installation, commissioning (EPCIC) and FLNG, as well as risers, umbilicals and subsea flowlines and equipment. This first newbuild FLNG reinforces the leadership of Technip Energies in FLNG.



ROVUMA

- **Contract: Rovuma LNG Project**
- **Partner: JGC Corporation**
- **Location: Mozambique – Palma in the Afungi Peninsula**
- **Award: 2024**
- **Client: ExxonMobil**

Technip Energies and JGC Corporation have been awarded a contract for the Rovuma LNG project. The plant will feature electric-driven LNG trains, strongly reducing greenhouse gases emissions. It will also include prefabricated and standardized modules to be assembled at construction site, offering cost competitiveness and certainty in delivery schedule. Leveraging our expertise in the LNG market in Africa, this project will strengthen our presence and long-term growth in Mozambique.



BP TORTUE / AHMEYIM FPSO

- **Contract: FEED and EPCIC**
- **Delivery: 2025**
- **Location: Senegal / Mauritania**
- **Award: 2017 & 2019**
- **Client: BP**

Technip Energies delivered a FPSO unit for the Tortue/Ahmeyim Field Development, a major LNG project located offshore on the maritime border of Mauritania and Senegal.



MIDOR

- **Contract: EPC**
- **Delivery: 2001 & 2021**
- **Location: Egypt**
- **Award: 1997 & 2018**
- **Client: Middle East Oil Refinery**

Technip Energies' long-standing relationship with Midor began in 2001 with the delivery of the Egyptian company's grassroots refinery. Over the years, we have worked on several expansions for Midor. In 2015, we finalized a joint agreement with SACE to ensure an export credit facility to support a major expansion and modernization project while carrying out early works services including FEED and open-book estimate.



BLOCK 18 AND BLOCK 31

- **Contract: EPC**
- **Delivery: 2017**
- **Location: Angola**
- **Award: 2012**
- **Client: BP**

Technip Energies received a five-year frame agreement for engineering and modification services for FPSOs in Blocks 18 and 31, including procurement and management of offshore and onshore construction activities.



PV2FUEL

- **Contract: Concept/PreFEED**
- **Delivery: Ongoing**
- **Location: Walvis Bay, Namibia**
- **Award: 2022**
- **Client: CMB Tech**

PV2Fuel Project is a large integrated project to develop 1GW of renewable energy (wind and solar), 500 MW of water electrolyzers for the green hydrogen production and the production of 850 tpd green ammonia project. Technip Energies is leading the concept study and PreFEED of the PV2Fuel Project.



TREKKOPJE

- **Contract: BFS to EP Services**
- **Delivery:2011**
- **Location: Namibia**
- **Award: 2008**
- **Water depth: Up to 1,200 m**
- **Client: Orano Mines**

Technip Energies was awarded a contract for a uranium ore treatment plant to produce "yellow cake." The facility is located in western Namibia at approximately 65 km northeast of Swakopmund.



BONNY ISLAND LNG TRAINS 1–6

- **Contract: FEED and EPC for Trains 1 to 6**
- **Delivery: 1999 to 2007**
- **Location: Nigeria**
- **Award: 1995 to 2004**
- **Client: Nigeria LNG Limited**

Bonny Island is the largest LNG complex in Nigeria. The FEED contracts awarded to Technip Energies for the first six LNG trains were followed by an EPC. The overall production capacity of the six LNG trains reaches 22 mtpa of LNG and 4 mtpa of LPG and condensate.

ICS2

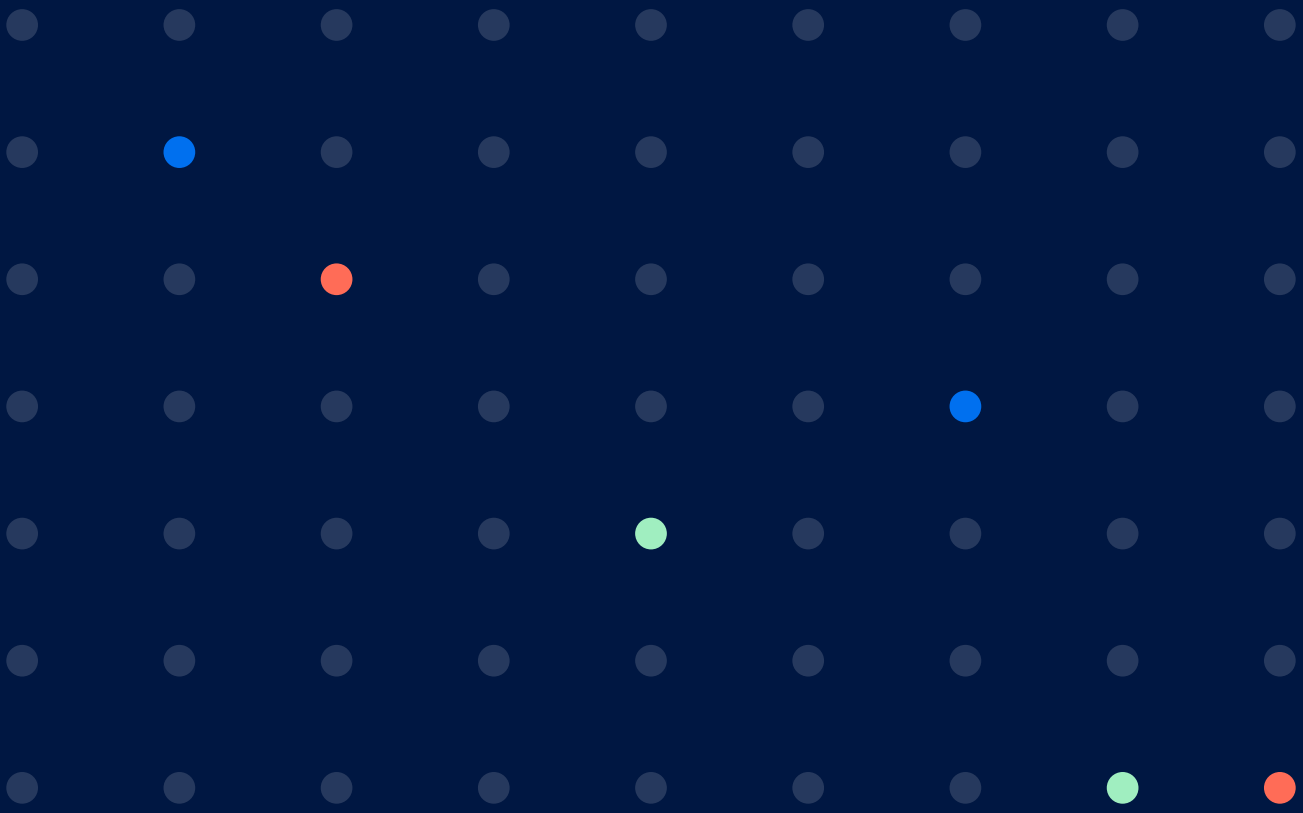
- **Contract: EPC**
- **Award: 1998**
- **Delivery: 2001**
- **Client: Industries Chimiques du Sénégal (ICS)**
- **Location: Senegal**

Technip Energies was awarded the expansion of a fertilizer plant comprising a phosphoric acid unit with a production capacity of 1,015 tons per day and a sulfuric acid unit with a production capacity of 3,000 tons per day, plus utilities and storage.

ONSHORE RECEIVING FACILITIES (ORF)

- **Contract: EPC**
- **Award: 2016**
- **Delivery: 2018**
- **Client: ENI Ghana E&P**
- **Location: Ghana**

Technip Energies was awarded a contract for the onshore part of the OCTP development of the Sankofa field offshore Ghana. We were selected to perform project management and EPC for the onshore receiving facilities in Sanzule.



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