

# SHI-MCI FZE

Nigeria's World-Class Facility Delivering Mega-Solutions in the Oil,  
Gas and Power Industry.





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**Taking aim at a new future with  
the Africa's Best Oil & Gas EPC Company.**



**A fabrication and integration facility in Africa, a future-oriented cooperation model which has attracted global attention in the industry, has distinguished itself by creating synergies through the cooperation of South Korea and Nigeria. These series of breakthrough accomplishments by SHI-MCI FZE signals the vast possibilities of the future. Moving forward, SHI-MCI FZE will be the base for industrial growth not only in Nigeria, but throughout Africa.**

I am pleased to introduce to you a new outpost for the Shipbuilding and Offshore Oil & Gas Industries in Nigeria and throughout Africa. This is no longer in the future, it is now a reality.

Samsung Heavy Industries Nigeria is the majority shareholder in its subsidiary, SHI-MCI FZE, and has contributed significantly to the construction of the state-of-the-art fabrication and integration shipyard. Capable of fabricating 10,000MR annually, this facility was created through a cooperative process between Samsung Heavy Industries and Nigeria using a breakthrough engineering method, and began operation only 18 months after commencement of the construction.

Samsung Heavy Industries is a global leader in the Shipbuilding and Offshore Oil & Gas Industries, and has received commendations from advanced companies of the world. Its outstanding technological prowess and innovate spirit merged with Nigeria's will and enthusiasm to trigger explosive synergies.

In 2018, SHI-MCI FZE successfully completed Nigeria's first in-country fabrication and integration of the Egina, the world's largest FPSO which started production in the Egina field in December 2018. This has immensely contributed to Nigeria's oil production and revenue and created over 50,000 jobs to Nigerians at the peak of the project.

With the successes achieved with the Egina FPSO, SHI-MCI FZE is in the progress of winning and carrying out not just the world's largest-scale projects but also servicing and building vessels of any size. In line with our expertise in local content, we are also providing technical support to government-led projects on local ship repair and maintenance.

We will create multitude of jobs, both directly and indirectly related to our projects, and will lead a quantum leap of progress in the relevant industries. We will contribute to the industrial growth and national interest in Nigeria and throughout Africa.

SHI-MCI FZE aims to be a positive cooperation model for world industries. Based on its philosophy of 'Respect for Life', it is implementing specific HSE (Health, Safety and Environment) policies for 'No Diseases, No Incident, and No Pollution' at its site. It is also developing lasting win-win relationships with diverse organizations.

SHI-MCI FZE will continue to work with the government and partners to build the future of the Shipbuilding and Offshore Oil & Gas Industries in Africa.

Jin-Su, Park  
CEO / SHI-MCI FZE



Geoje Yard, Korea

# Korea & Nigeria



## SAMSUNG HEAVY INDUSTRIES

- Leading Global Oil and Gas EPC Company
- 40,000 Employees Worldwide
- World-leading Shipbuilding and Offshore Company

**70% Shareholder & Operator of SHI-MCI**



- Logistics Base
- 100% Service Provider
- 24/7 Operations

**30% Shareholder of SHI-MCI**



SHI-MCI Yard, Lagos, Nigeria

Two countries united to realise one vision. Asia and Africa, the Pacific and the Atlantic – even the great distance between them is no obstacle when there is a shared vision.

The technologies, capital funds, and infrastructures of South Korea and Nigeria have joined to create the world's best fabrication and integration facility.

Spotlighted as a new cooperation model, this collaboration will be the starting point to a successful future in the Shipbuilding and Offshore Oil & Gas Industries not only in Nigeria, but in the whole of Africa.



# Industry Leader

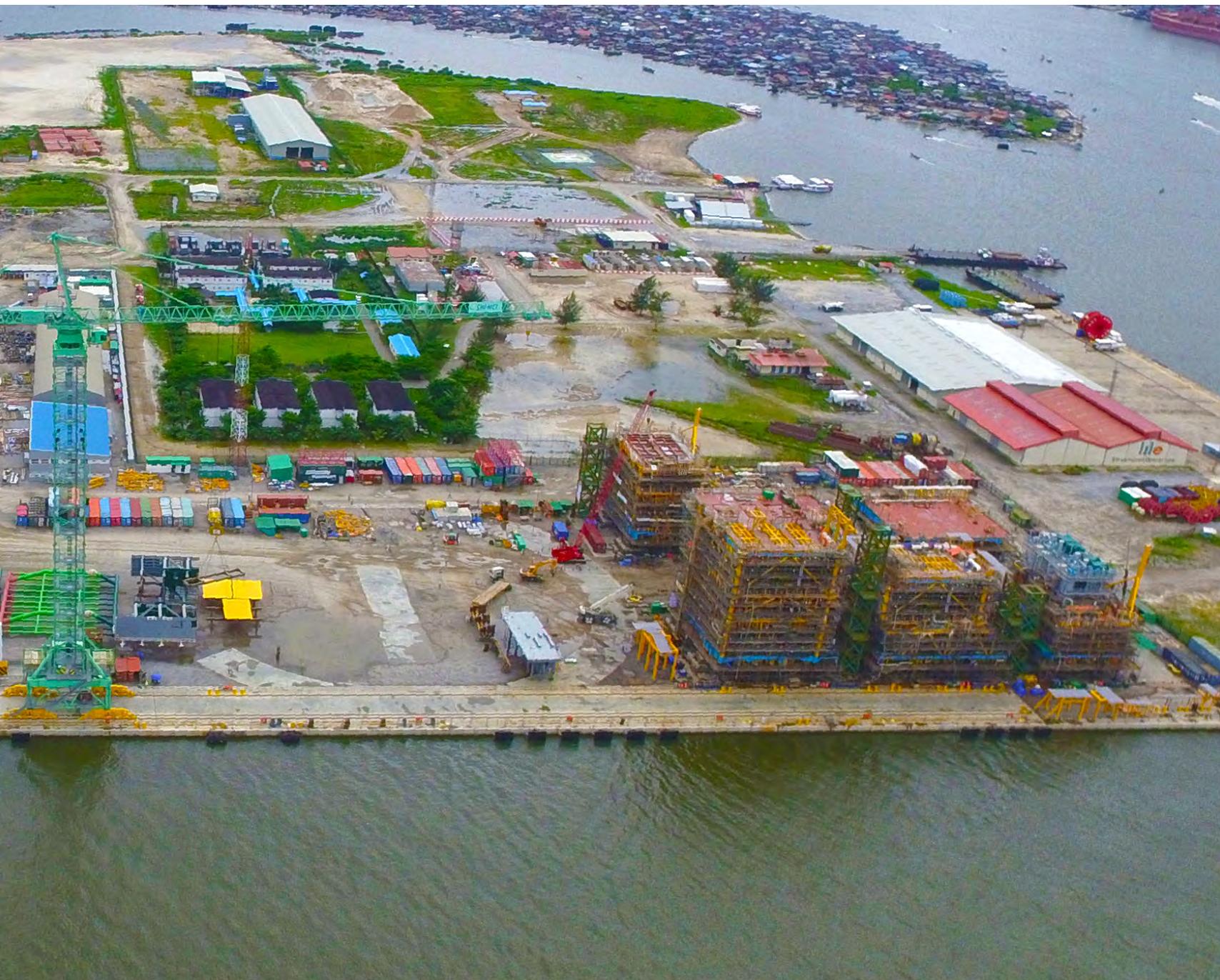


Leaders are the makers of history. Samsung Heavy Industries is a leading company that aims for the world's best in the Shipbuilding and Offshore Oil & Gas Industries. We have unrivalled competitiveness, maintaining the world's largest market shares in the fields of high-technology and high-value added products such as the Floating Production Storage & Offloading (FPSO), Liquefied Natural Gas (LNG) carriers, Large Container carriers, VLCC and Drill Ships.

Samsung Heavy Industries has the first shipyard to have obtained the world's top three international standards, and it boasts the world's highest dock turnover and production automation ratios. These accumulated technologies and capabilities were introduced to a new stage in Nigeria to make history; the world's best company.



# Transformative & Innovative



SHI-MCI FZE aims to be the world's leader in the oil, gas and maritime industries in Nigeria. As part of our commitment to Nigeria's oil and gas industry, Samsung Heavy Industries Nigeria constructed the SHI-MCI yard, a set of world-class fabrication and integration facilities in Nigeria. The yard is the only one of its kind in Africa, equipped with the latest technology, and has enabled Nigeria to build the world's largest vessel, the Egina FPSO, for the first time in Africa.

The company is now growing into a global leader in the shipbuilding and oil and gas industries. SHI-MCI FZE is helping Nigeria achieve its vision to become the manufacturing hub of the oil and gas industry in Africa.

SHI-MCI FZE, the largest fabrication and integration facility in Africa, comprises a 502 metre long quay wall and a fabrication yard on a land mass spanning 121,000m<sup>2</sup>.

Equipped with cutting-edge facilities and facility ratios, each has been optimised for world-class, ultra-large, high-value added projects.

These efforts will help to grow other relevant industries in Nigeria, and will contribute to national development by creating jobs that are directly and indirectly related to the industries, and by promoting foreign investments.



Fabrication Shop



Blasting Shop



Painting Shop



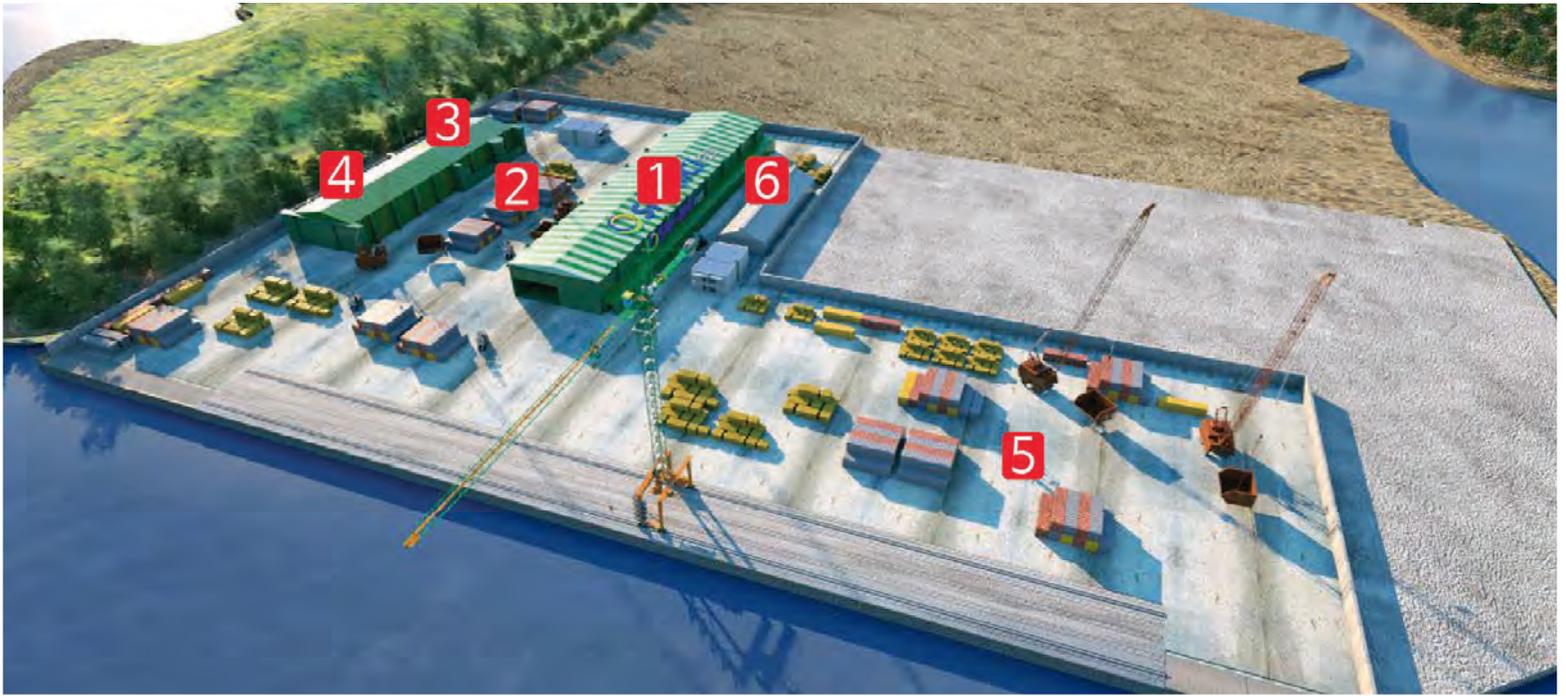
Module Assembly Area



Assembly Area



Sub Building



#### Particulars of the Facility

- Facility Area: 121,000m<sup>2</sup>
- Fabrication Shop: 6,300m<sup>2</sup>
- Assembly Area: 7,200m<sup>2</sup>
- Painting Shop: 4,550m<sup>2</sup>
- Utility and Warehouse: 2,100m<sup>2</sup>
- Production Capacity: 10,000MT/Y
- Quay Length: Max. 502m
- Berthing Water Depth: Max. 13.5m
- Heavy Lift (Lease Base): 5,000MT

#### 1 Fabrication Shop

- 180m x 35m
- 2 x 80T Over Head Crane
- 2 x 30T Over Head Crane
- Pipe Spool Shop
- WQC Center (Training Center)

#### 2 Assembly Area

- 180 m x 40m

#### 3 Blasting Shop

- 100% Isolated Robust Shop
- 41m x 35m

#### 4 Painting Shop

- 100% Isolated Robust Shop
- 97m x 35m
- Dehumidification System

#### 5 Module Assembly Area

- 5,000MT Heavy Lift (leased)
- 70MT Travelling Tower Crane (70MT x 75mH x 80mL Boom)

#### 6 Other

- Employees' Canteen
- Emergency Response Unit



From disused land...



...to West Africa's most advanced fabrication and integration yard in 18 months

The construction of the fabrication and integration yard & facility is commended as a 'miracle' of 18 months.

The unparalleled technologies of Samsung Heavy Industries, innovative infrastructures of Nigeria, smooth supply and demand of materials, and new engineering methods created synergies that enabled the facility to begin operations only 18 months after the commencement of its construction.



# Now & Future



We aim for the highest achievements as we do not settle for less than the best.

SMI-MCI FZE is achieving its vision to create the world's best fabrication and integration facility, and our large-scale Egina FPSO project is yet another prelude to an even greater future. Drawing on the top price efficiency system in Nigeria, we will continue to lead the breakthrough growth of the Shipbuilding and Offshore Oil & Gas Industries.



# Egina FPSO

From its birth in Geos Shipyard, South Korea

October 2017



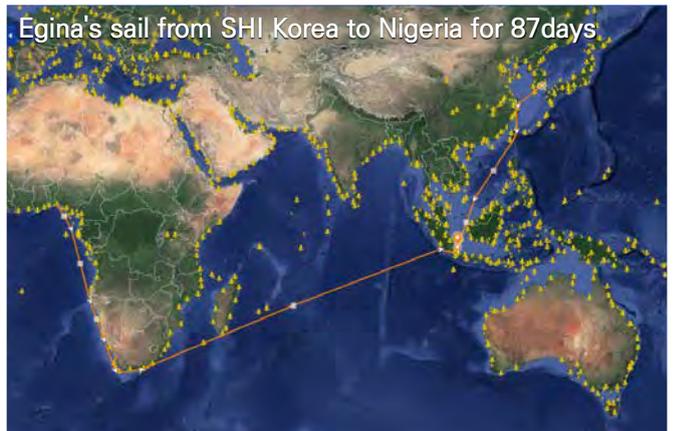
October 2017 ~ January 2018



October 2017 ~ January 2018



Egina's sail from SHI Korea to Nigeria for 87 days





To the first ever fabrication and integration in Nigeria at the SHI-MCI Yard



January 2018



January ~ August 2018



March 2018



August 2018  
Sail-away to Egina oilfield

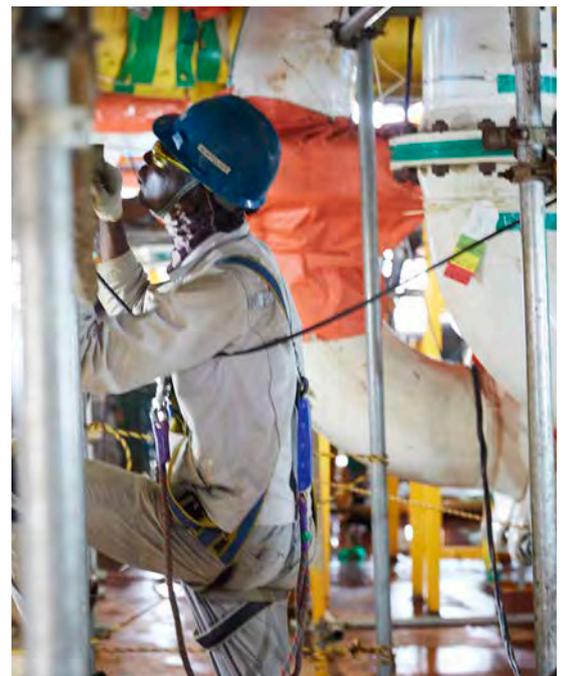


# Skill & Technology Transfer

Technology kindles passion for the future, and passion drives technological development and expansion. Samsung Heavy Industries' top-tier technologies joined with the new infrastructures and the passionate culture of Nigeria to create SHI-MCI FZE.

Samsung Heavy Industries is a technology leader, taking the initiative in advancing the Shipbuilding and Offshore Oil & Gas Industries, which involves combining differentiated digital technologies and automation systems with products.

All of the employees of SHI-MCI FZE promote and support the values of the company; from the principles of technologies to delicate processes, and expertise. SHI-MCI FZE's workforce is the company's irreplaceable asset and underlying strength, which is accelerating its growth and success.







## WQC (Welding Qualification Centre)

Samsung Heavy Industries Nigeria has established the Welding Training Qualification Centre (WQC) at SHI-MCI to support Samsung's shipbuilding projects and to produce high quality work set to international specifications. Selected by the International Institute of Welding (IWI) as one of Africa's first approved training bodies, over 600 Nigerians have successfully completed the training program. Among which, 104 Nigerians received the international welding certification.

We also developed a program titled "Capacity Development Initiatives" (CDI), a year-round training course which prepares the Nigerian workforce with comprehensive welding skills that can be used in a large variety of projects and industries. These skills and technologies will be transferred to even more Nigerians nationwide, to prepare the country for the economic boom of the future.

We will continue to provide these skills to a young generation of Nigerians to position Nigeria as the main manufacturing hub for the West African region.



# HSE Management

Health, Safety, Environment Policy



**Emerging as a global leader, SHI-MCI FZE is seeking stable and quality growth rather than immediate but temporary achievements. We constantly research and execute thorough solutions to ensure that we are creating a future together in a Safe, Healthy, and clean Environment.**

With the world's best fabrication and integration facility, SHI-MCI FZE is taking the lead in human and eco-friendly management. Our core management policy, Health, Safety, Security, Environment, and Quality (HSSEQ), is based on our philosophy of "Respect for Life". We are putting practical management systems and rules of conduct into practice at the site, with the goal of "No Diseases, No Incidents, and No Pollution".

Samsung Heavy Industries provides its employees in Nigeria with systematic training on HSE along with complete technology transfers. The MEDEVAC is a safety system that enables all of our employees to quickly and safely handle any mishap or accident. The BBS+ (BBS: Behavior Based Safety + IIF; Incident and Injury Free) system ensures that our employees observe safety rules through voluntary observation and communication, and reinforce their safety awareness through reports and meetings.

SHI-MCI FZE also satisfies the fundamental requirements that international harbor facilities must demonstrate, such as the acquisition of the International Ship and Port Facility Security (ISPS) Code. It ensures that both company and client confidential information are not leaked, due to various security systems including firewalls, proxies, and digital rights management (DRM).

In addition, SHI-MCI FZE fulfills its obligations to the environment by saving resources and energy and minimizing the emission of greenhouse gases. Our sustainability is growing further through HSE activities that respect people and the environment, while aiming for the world's highest quality at the same time.





# Together for the Future

As people, cultures, and experiences from different countries join together, we make all efforts to further communication, information exchanges, and support. SHI-MCI FZE is working for a future in which we all work and live happily together.

Effective communication, information exchange, and sharing will promote the happiness and growth of companies and employees as well as larger society. SHI-MCI FZE carries out a variety of activities that have the goal of helping people and improving society. Through the process of building the Egina FPSO, the employees of Samsung Heavy Industries are passing on to our employees in Nigeria the company's world-class technologies that have been amassed over the past 40 years.

SHI-MCI FZE recognises the importance of placing people and society first, and how this approach will help us to shape a more positive future for all. We will be an example of hope that spreads light from South Korea and Nigeria towards Africa and the rest of the world.





# Social Commitment

“Global companies should contribute globally”

Based on a corporate philosophy of sharing and co-prosperity, Samsung Heavy Industries Nigeria and SHI-MCI have been actively contributing to Nigerian society through CSR activities on various scales.

From 2015 to 2019, Samsung Heavy Industries Nigeria (SHIN) had worked with Vision Care, an organization under the WHO, in an annual Eye Camp offering free cataract surgeries to Nigerians. We funded the cost of eye surgery for over 572 Nigerian patients with cataracts. These patients, who were at the risk of blindness, recovered their eyesight. Additionally, we also sponsored 1593 outpatients and donated glasses to 99 patients.

Our full commitment to the Nigerian people is focused not only on shipbuilding and yard fabrication competencies but also on the human level. It is our philosophy that as one of the largest corporations in the world it is our responsibility to contribute to the holistic development of society.

We recognize the importance of placing people and society first, and how this approach will help us to shape a more positive future for all.

We will be an example of hope that spreads light from South Korea and Nigeria towards Africa and the rest of the world.



# Certificates and Awards

## Certificate



## Awards and Recognition



Technological Breakthrough at NIPS (2020.01)



Winner of 'Project of the Year 2019' and 'Breakthrough Deal of the Year 2019' Awards at Africa Assembly in Paris (2019.11)



1st Place Winner of Multinational Service Provider with the Most Impactful Contribution to Local Content Development Award at NOGOF 2019 (2019.02)



Winner of 'Forbes Best of Africa Offshore Oil & Gas Facilities Development Award' at Forbes Best of Africa Energy Award in Dubai (2021.11)

# ONE-STOP SERVICE:

## Delivering world-class marine logistics services



### 1. Berthing/Stevedoring

Mooring/ Secured Quay  
Stevedoring via TTC Crane  
Heavy-weight unloading (Max 300 tons)

### 2. Supply Base Logistics

Heavy-weight unloading (for up to 600 tons)

### 3. Ship Repair/Maintenance

Construct/Install structures  
Repair/Install outfitting  
Welding  
Painting

### 4. Ship Supplies/ Storage

Equipment/outfitting storage  
Supply of consumable items  
Water/Oil supply/Catering

### 5. Crew Change

Crew change service / Accommodation for crews

### 6. Government Agency Interface

Port entry/departure service/Agency for:  
Nigerian Customs services  
Government agency services  
Documents/ goods delivery



Tarkwa Bay, Apapa, Lagos, Nigeria