

# CASE STUDY: QUALITY SUPPORT & POWER SOLUTIONS PROVIDED UNDER TIGHT DEADLINE

CUSTOMER	LOCATION	CAT DEALER	PRODUCT	INDUSTRY
Lamprell	Hamriyah, United Arab Emirates	Mohamed Abdulrahman Al-Bahar	Cat 3516C Genset	Offshore Drilling

## LAMPRELL SELECTS AL-BAHAR TO PROVIDE ONGOING POWER SUPPORT FOR RIGS

For more than 45 years, Lamprell has served as a leading provider of contracting services to the international energy sector. Employing more than 5,000 people throughout its facilities in the Middle East, Lamprell has provided engineering, procurement, construction and installation (EPCI), rig construction, rig refurbishment and other services for hundreds of onshore and offshore projects.

In 2017 Lamprell signed a joint venture agreement with Saudi Aramco, national shipping carrier Bahri, and Hyundai Heavy Industries to establish and operate a maritime yard in the Kingdom of Saudi Arabia. Officially branded as International Maritime Industries (IMI), the yard provides a broad range of services to the oil and gas and maritime industries, with the primary focus on the construction and maintenance, repair and overhaul of offshore rigs, commercial vessels and offshore service vessels.

### ADDRESSING SUPPLY CHAIN CHALLENGES

In 2020, Lamprell received an award from IMI to design, fabricate and deliver two jackup drilling units based on the LeTourneau Super 116E self-elevating mobile offshore drilling unit (MODU). They feature high specification offshore drilling technology as well as accommodation for up to 120 workers.

The launch of the project coincided with the start of the COVID-19 pandemic, which presented extensive logistic challenges, including the design and delivery of primary and emergency power systems essential for the operation of the rigs.

To meet the demanding project timelines, Lamprell sought a trusted supplier that could overcome these obstacles to provide power solutions as scheduled while offering the superior performance, reliability, and ongoing support the rigs will require for years to come.



\*The image does not represent the actual Customer's equipment/site.

## ANOTHER SUCCESSFUL COLLABORATION

Lamprell selected Mohamed Abdulrahman Al-Bahar, the local Cat® dealer, to supply a customized, integrated power solution including five Cat 3516C generator sets supplying the 7.6 MW of primary power required for operations, as well as a single Cat 3512C generator set providing 1.3 MW of emergency power. Additionally, Al-Bahar provided design, installation, and commissioning services for the power solution.

Al-Bahar executed a ready-to-deliver plan with a customer-first focus that delivered the power solutions ahead of schedule to Lamprell's yard in Hamriyah, United Arab Emirates. As a result, the load-out and float-off of both rigs were completed as planned in 2022.

The project was the latest in a 15-year collaboration between Lamprell, Al-Bahar and Caterpillar, which has included 12 jackup rigs, one land rig and more than 30 rig repower projects.



**“Caterpillar along with dealers like Al-Bahar make an ideal choice for customers who are looking for clean, reliable, and profitable oil and gas power solutions.”**  
-DEEPAK TUMMALAPALLI,  
TERRITORY MANAGER,  
FROM CATERPILLAR

“As one of the authorized Caterpillar dealers in the region, Mohamed Abdulrahman Al-Bahar is proud to be a trusted and valued provider to Lamprell in their rig building programs,” noted Mohamed El Kaddour, vice president of energy and transportation division for Al-Bahar. “This mutually beneficial relationship has been nurtured ever since Lamprell built their first rig in 2008, and we hope it will extend into the future.”

## THE RIGHT CHOICE FOR OFFSHORE APPLICATIONS

Leveraging decades of experience supporting customers in the offshore industry, Caterpillar and Cat dealers provide comprehensive solutions that optimize productivity and reliability while supporting environmental responsibility.

Caterpillar offers power solutions specifically designed to provide proven performance, low emissions, high durability, and low owning and operating costs for offshore drilling and production operations. Applications include main power, essential services power, and emergency power for on-board drilling and production rigs and vessels.

Cat power solutions are backed by the worldwide network of Cat dealers ready to support offshore operations with technical expertise, service, parts and warranties.

“In addition to developing world-class products for the oil and gas industry, we offer technology solutions to help companies work more safely and efficiently through unmatched support in the field from our global dealer network,” added Deepak Tummalapalli, territory manager for Caterpillar. “We are proud of collaborating with Al-Bahar to successfully deliver this project to Lamprell ahead of schedule, demonstrating how we are the ideal choice for oil and gas customers seeking clean, reliable and profitable power solutions.”

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