

Press Release

For Immediate Release:

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Contact:

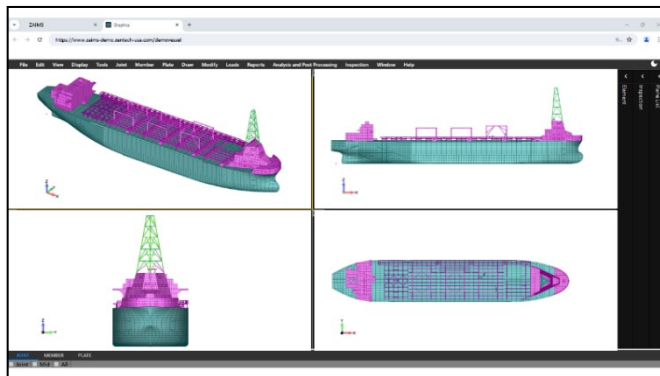
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Zentech Asset Integrity Management Solution (ZAIMS™) Awarded SMART Tier 2 Product Design Assessment (PDA) Certification by ABS for Marine Vessels and Offshore Units



The patented Zentech Asset Integrity Management Solution (**ZAIMS™**) has been awarded the **SMART Tier 2** Product Design Assessment (**PDA**) Certification by ABS for Marine Vessels and Offshore Units on the basis that ZAIMS™ is a Smart Structural Health Monitoring (SHM) solution for Marine Vessels and Offshore Units. ZAIMS™ has been awarded this PDA in accordance with the ABS Guide for Smart Functions for Marine Vessels and Offshore Units.

Recognized with a certificate presentation in Houston, Texas, the ZAIMS™ service provision enhances hull safety and structural integrity with smart hull technology and enables Marine Vessels and Offshore Unit Operators to make smart decisions on hull maintenance and upkeep.





Pictured Left to Right: Mr. Matthew Trembley (VP – Global Offshore Markets), Mr. Ramesh Maini (CEO – Zentech), Ms. Rong Wu, (Principal Engineer – ABS)

The PDA Certificate verifies that ZAIMS™ is designed and implemented as a SMART service to enhance the safety and operational efficiency of Marine Vessels and Offshore Units. It also verifies that ZAIMS™ utilizes advanced analysis techniques, including Finite Element Analysis (FEA), by modelling structural degradation using the most recent gauging data. ZAIMS™ includes the assessment of hull structural integrity by conducting both local minimum scantling and global analysis based on the latest gauging data.

After implementing the ZAIMS™ system and the completion of the ABS standard Installation and Commissioning Survey to be carried out onboard, marine vessels, and offshore unit vessels will be eligible for the following class notation and class record comment: Notation: SMART(SHM), Record Comments: Global Hull-Tier 2, Low Risk Level.

"The presence of SMART systems is growing rapidly in the industry, and ABS is proud to add the ZAIMS™ system to the list of ABS-approved SMART products. Our PDA for Zentech provides a comprehensive certification solution that demonstrates their commitment to enhanced structural health and condition monitoring," said Patrick Ryan, ABS Senior Vice President and Chief Technology Officer.

"We have been providing ZAIMS™ to marine vessels and offshore unit operators for over 15 years. The ZAIMS™ solution adds great value in terms of safe and smart management of the structural integrity of assets, sophisticated data repository (including chronological data capture), coupled with robust engineering (including a high level of sensitivity analysis). This results in the ability to take smart decisions ultimately leading to greater safety, cost reduction, lower downtime, and the ability to extend operations if required in a safe and verified manner. Our association with ABS extends over 5 decades and thanks to ABS, and their thorough process of verification and ratification, ZAIMS™ has finally received the recognition it deserves. We will now be able to add even more value to our customers and give them the



SMART Tier 2 notation using our ZAIMS™ solution,” said Ramesh Maini, Zentech President and CEO.

ABS: Founded in 1862, ABS is a global leader in providing classification services for marine and offshore assets. Our mission is to serve the public interest as well as the needs of our members and clients by promoting the security of life and property and preserving the natural environment. ABS’ commitment to safety, reliability and efficiency is ever-present. Today, ABS is working in a rapidly changing business environment where global markets are shaped more frequently by digital technology and data analytics. ABS is applying advanced technology, digital tools, capabilities and improved core processes to drive safety excellence, greater performance and efficiency – generating greater value for our members and clients. ABS continues to be a trusted advisor and partner, supporting marine and offshore business ventures for both traditional and non-traditional clients.

Zentech Incorporated is a Houston, Texas based marine engineering, project and construction management and naval architecture firm specializing in offshore oil and gas and renewable energy industries. Over forty (45) years of experience providing innovative engineering solutions employing a professional staff spread over six (6) international locations. Zentech’s expertise encompasses Marine vessels, Jack-up drilling units, dynamically positioned semi-submersibles, drill-ships, modular platform drilling rigs, barge rigs, fixed offshore platforms, floating production systems, including reactivation and conversion of existing rigs, EPIC contracts for MOPU conversions, and risers and pipelines. Zentech has been involved in several other unique projects, with specialized expertise. Zentech expertise includes Predictive analytics of major drilling equipment, Virtual Reality, Augmented Reality, Scanning, and un-manned inspection using drones and LIDAR camera inside tanks, chimneys, large oil tanks, and other areas not easily accessible to humans. Zentech’s digital solutions include many software solutions such as Lo Stab (Load and Stability for Offshore Vessels), ZenMas (Zentech Mooring Advisory) and ZAIMS (Zentech Asset Integrity Management Solution).

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