

# ZACHARY TREDE

## Vice President



### Summary

Zachary Trede has 16 years of experience in offshore energy, shipping, and government sectors. He is skilled in vessel operation, management, and design, with expertise in dynamic positioning (DP-2, DP-3) systems, marine assurance standards, and IMCA guidelines, as well as extensive operational experience on drillships, semi-submersible MODUs, and support vessels. Additionally, Zachary spent two years as a marine surveyor performing inspections for OVID, eCMID, and suitability surveys on various vessel types. He is proficient in shipboard propulsion systems, including diesel-electric, conventional engines, and various drive systems, and experienced in electrical distribution, automation, and control systems, and has supported US Government shipbuilding projects with electrical, structural, and propulsion design reviews.

### Areas of Technical Expertise

- Marine Surveying
- Marine Engineering

### Education

- Diploma with Merit in Marine Surveying, North Kent College & Lloyds Maritime Academy, 2023
- Graduate Certificate in Project Management, The Pennsylvania State University, 2021
- B.S., Marine Engineering Technology, Texas A&M University, 2011

### Registrations & Certifications

- US Coast Guard Merchant Mariner Credential- Chief Engineer Unlimited, Electro-Technical Officer
- National Association of Marine Surveyors Certified Marine Surveyor (NAMS-CMS)
- International Marine Contractors Association (IMCA) eCMID Accredited Vessel Inspector
- International Marine Contractors Association (IMCA) Dynamic Positioning Trials and Assurance Practitioner
- Oil Companies International Marine Forum (OCIMF) Accredited Offshore Vessel Inspection Database (OVID) Inspector

### Professional Activities

- Member, Society of Naval Architects and Marine Engineers (SNAME)
- Member, Marine Technology Society (MTS)
- Member, Surface Navy Association
- Adjunct Professor, Calhoun MEBA Engineering School

### Select Project Experience

#### Marine Operations

**US Navy, Sasebo, JP.** \* Sailed as Surface Warfare Officer/ Engineering Division Officer onboard two Amphibious landing ships in Southeast Asia.

**Hornbeck Offshore, Worldwide.** \* Sailed as Chief Engineer onboard four Dynamically Positioned Multi-Purpose Support Vessels (MPSV), assistant engineer onboard dynamically positioned 4 US Navy submarine escort vessels, 3 offshore supply vessels, one submarine rescue vessel.

**Seadrill, US Gulf of Mexico.** \* Sailed as second engineer onboard a Dynamically Positioned Class 3 7th generation drillship.

**Helix, US Gulf of Mexico.** \* Sailed as First and Second engineer onboard a Dynamically Positioned Class 3 semi-submersible well intervention rig.

**Texas Department of Transportation, Galveston, TX.** \* Sailed as Chief Engineer on 7 ferry vessels.

#### Marine Surveying

**Austal, Mobile, AL.** \* Performed a suitability survey onboard a 800 ton capacity derrick crane barge in support of marine warranty scope.

**Couvillon, Port Fourchon, LA.** \* Performed Mission critical equipment survey onboard a Multi-Purpose Support Vessel (MPSV) of 250T capacity subsea crane, 40T crane, and (2) Work Class Remote Operated Vehicles (ROV's).

**Chevron, Port Fourchon, LA.** \* Performed Mission critical equipment survey onboard a Multi-Purpose Support Vessel (MPSV) of 250T capacity subsea crane, 40T crane, and two Work-Class Remote Operated Vehicles (ROV's).

\*Denotes work performed with previous employer.

## ZACHARY TREDE

**Confidential Client**, Wilmington, DE.\* Conducted vessel pre-purchase condition survey on a Norwegian flagged Roll-On Roll-Off car carrier.

**Confidential Client**, Cove Point, MD.\* Conducted vessel condition survey onboard a Marshall Island flagged LNG tanker vessel.

**Confidential Client**, Luanda, Angola.\* Project Manager of survey and repair scope recommendations conducted of two Floating Production Storage and Offloading facilities (FPSO) anchored off the coast of Angola.

### Marine Assurance

**Beacon Offshore**, Port Fourchon, LA.\* Conducted equipment suitability survey and operational tests of fracking and sand systems onboard a well stimulation vessel to determine the vessel capacity to support well stimulation/fracturing for upcoming Winterfell and Shenzi projects.

**Shell**, US Gulf of Mexico.\* Performed OVID surveys onboard Drillships, Offshore Support Vessels, Multi-Purpose Support Vessels, Crew boats, Geotechnical Vessels.

**Geodynamics**, Morehead City, NC.\* Wrote safety management system (SMS) for small geotechnical survey vessel operator.

**Attentive Energy**, Bridgeport, CT.\* Performed main engine reliability study on 3 geotechnical survey vessels to evaluate gap between non inspected vessels and inspected vessels.

**Chevron**, Houston, TX.\* Advised global marine assurance team by performing desktop reviews for three vessel cranes and moored vessel systems for assets working in west Africa.

### Project Management

**Subsea Seven**, UK, NL, USA, Trinidad and Tobago.\* Project Manager for the third-party Marine Warranty scope of a large subsea tieback project in Trinidad and Tobago for a BP well expansion campaign.

**Caldwell Marine**, Plattsburgh, NY.\* Project manager for a DP assurance package and DPO crew for a cable lay barge on Lake Champlain in support of a major renewables energy project.

**Hornbeck Offshore**, Amelia, LA.\* Assisted HOS as project manager after purchase of three 290 feet dynamically positioned Offshore Support Vessels from the US Maritime Administration (MARAD).

### Engineering

**CACI International**, INC, Ocean Springs, MS.\* Marine Electrical engineer for US Navy Littoral Combat Ships, Next Generation Logistic Ships

**ECS Federal**, Ocean Springs, MS.\* Marine Engineer for NOAA operational vessel support, Class A and Class B newbuilds.

### Litigation

Confidential Client, USA.\* Testing program execution and report as member of team which conducted independent third-party testing in support of a high-profile marine incident in the United States. Project scope covered vessel power management systems, generators, automation systems, fuel oil, navigation equipment, steering, and pneumatic systems. Traced vessel systems, executed equipment testing plan, conducted megger, polarity tests, visual, and thermographic inspections of high voltage step down transformers, breakers, and cabling.

Confidential Client, Orange, TX.\* Engineering review and expert report in insurance dispute representing defense involving a diesel engine catastrophic overspeed after replacement of engine governor onboard a large government-owned logistics vessel. Conducted additional review and opinion of repair scope.

Confidential Client, New Orleans, LA.\* Consulted defense law firm representing company which rebuilt a reduction gear oil cooler which failed on an inland towboat, resulting in a catastrophic engine room fire.

Confidential Client, New Orleans, LA.\* Conducted post-fire damage survey representing electrical contractor insurance underwriters after a fire onboard a steam riverboat.

## CONTACT

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