

PRINCIPAL & TECHNICAL MANAGER

PERSONAL PARTICULAR

Name : Aditya Sankalp
Date of Birth : 17 May 1987
Nationality : Indian

QUALIFICATIONS

2015 **National University of Singapore**
Masters in Science in Offshore Technology
2009 **Indian Institute of Technology, Kharagpur, India**
B Tech (Ocean Engineering & Naval Architecture)

PUBLICATIONS

Sankalp A., De Leeneer Y. (2020) Mooring Systems for Very Large Floating Structures. In: Wang C., Lim S., Tay Z. (eds) WCFS2019. Lecture Notes in Civil Engineering, vol 41. Springer, Singapore

WORKING EXPERIENCE

Jan 2012 – Present **DEEPBLUE Pte Ltd**

PRINCIPAL & TECHNICAL MANAGER

Job Description:

- Overall Technical in charge of all engineering & design for FSO / FPSO / SUBSEA and Offshore installation projects.
- Project manager for medium size projects
- Mooring Analysis of Floating systems, Motion & Acceleration Studies of Floating Systems, FPSO mooring studies, Hydrodynamics, Offshore Installation, general structural engineering.
- Mooring & Motion Analysis of MODU's.

- Riser, Umbilicals, power cables and SURF systems design and engineering.
- Anchor piles geotechnical engineering & design.
- Responsible for communication with Class Societies, Subsea and SURF systems, Marine systems, Floating systems, Hydrodynamics, Geo-tech analysis, mooring systems.
- Provide support for engineering activities and & in-house sites.
- Prepare Engineering & Bidding documents.
- Offshore Engineer during mooring, flexible, umbilical, power cable installation.

PROJECTS

BLUESEAS ENERGY/EA TECHNIQUE

- Detailed design for Riser, umbilical and Flowline Design

NOC QATAR

- Hydrodynamic Analysis of FSO
- Dynamic Mooring Analysis & Offloading analysis
- Fatigue Analysis of Mooring Chains
- Anchor Pile Geotechnical Design including inverse catenary & drivability analysis

MURPHY CALM BUOY DECOMMISSIONING

- Dynamic Towing Analysis of CALM Buoy
- Towing Procedure of CALM Buoy

SA OFFSHORE CALM BUOY SPM

- Hydrodynamic Analysis of Tanker
- Hydrodynamic Analysis of CALM buoy for small waves (fatigue analysis)
- Dynamic Mooring Analysis of SPM for Survival and Operation Condition
- Fatigue Analysis of Mooring Chains
- Interference Analysis of Hose and VLCC
- Interference Analysis of Hose and Mooring Chains

HESS FSO

- Hydrodynamic Analysis of Tanker
- Dynamic Mooring Analysis of Spread Disconnectable Mooring System
- SURF design, subsea bases, flexible, umbilical.
- Tandem Mooring Analysis
- Mooring Installation Analysis

- Mooring Station keeping Analysis
- Mooring Installation Procedures
- Mooring Hook Up Procedures
- Stationed offshore for the mooring installation and hook up.

FLOATING DOCK – 2, INDIAN NAVY

- Mooring Installation Analysis
- Mooring station keeping Analysis
- Mooring Installation Procedures
- Mooring Hook Up Procedures
- Stationed offshore for the Hook Up.

WOODSIDE BALNAVES FIELD DECOMMISSIONING - SAPURAKENCANA

- Technical Manager for all engineering documentation
- Full hydrodynamic analysis and decommissioning of the RTM column
- 3 D modeling of a Riser Turret Mooring system
- Detailed Stability analysis of Riser Turret
- Motion & Acceleration Studies
- Upending, Mooring Line & Riser Removal Study
- Decommissioning Study

UAE FPSO - DNV CLASS

- Technical Manager for all engineering & design documentation
- Hydrodynamic Analysis of FPSO
- Dynamic Mooring Analysis of Spread Mooring System
- Fatigue Analysis
- Tandem Mooring Analysis
- Flexibles, umbilicals, power cable detailed design
- DNV Class Approval for all mooring documents

ECA SUBSEA DESIGN

- Technical Manager for all engineering & design documentation
- Geotechnical Design of non-magnetic (GRP) Structure
- Installation Procedures for Subsea Structures (GRP)

EXON MOBIL MULTI BUOY MOORING

- Project Manager
- Mooring Installation Analysis

- Mooring Stationkeeping Analysis
- Mooring Installation Procedures
- Mooring Hook Up Procedures
- Stationed offshore for the mooring installation and Hook Up.

ANGLO EASTERN SHIPMANAGEMENT – GAS CONCORD DECOMMISSIONING

- Stability Review of Vessel
- Lightship Survey and Class Approval (BV)
- Sail Away Stability Conditions

GLOCAL FLOATING WINDMILL - JAPAN

- Technical Manager
- Hydrodynamic Analysis of Floating Windmill
- Mooring System Design

FPSO OSX LAYUP MOORING

- Dynamic Mooring Analysis of Vessel Lay Up mooring

MYANMAR FSO BUMI FEED

- Technical manager in charge of design & engineering
- Dynamic Mooring Analysis of Spread Mooring System
- Tandem Mooring Analysis

COBALT CAMEIA FPSO FEED

- Technical manager in charge of design & engineering
- Dynamic Mooring Analysis of Spread & Turret Mooring System
- Fatigue Analysis
- Tandem Mooring Analysis
- Riser simulation and impact on mooring system

KOTA KINABALU ACCOMODATION BARGE

- Hydrodynamic Analysis of Accommodation Barge
- Dynamic Mooring Analysis of Spread Mooring System

M3NERGY LAYUP MOORING ANALYSIS

- Layup Mooring Analysis of FPSO

ETAN NAE, Nigeria FEED

- Dynamic Mooring Analysis of Spread Mooring System
- Fatigue Analysis
- Tandem Mooring Analysis

PETROBRAS LIBRA BRAZIL FEED

- Technical manager in charge of design & engineering
- Dynamic Mooring Analysis of Spread Mooring System
- Fatigue Analysis
- Tandem Mooring Analysis
- Riser simulation and impact on mooring system
- Umbilical simulation and impact on mooring system

GHANA OCTP ENI FPSO FEED

- Project manager
- Dynamic Mooring Analysis of Spread Mooring System
- Fatigue Analysis
- Tandem Mooring Analysis
- Riser simulation and impact on mooring system
- Umbilical simulation and impact on mooring system

BUKIT TUA Field, Indonesia, FPSO Mooring System

- Dynamic Mooring Analysis of Spread Mooring System
- Fatigue Analysis
- Tandem Mooring Analysis
- Class Approval of Mooring Documents - ABS

APACHE BALNAVES Field

- Full hydrodynamic analysis and installation of the RTM column during installation and hook-up reports related to Mooring Design System Balnaves Field, Australia, Riser Turret Mooring
- 3 D modeling of a Riser Turret Mooring system
- Detailed Stability analysis of Riser Turret
- Upending , Mooring Line & Riser Installation Study
- Decommissioning Study

KBM Field, Malaysia, Mooring Study

- Mooring Analysis of Spread Moored System
- Side By Side Offloading Analysis of Mooring System

SONGKHLA D FIELD, THAILAND; Mooring & Riser Study

- Mooring Analysis of Spread Moored System
- Side By Side Offloading Analysis of Mooring System

BERTAM FIELD, MALAYSIA; Mooring Study

- Mooring Analysis of Spread Moored System
- Tandem Offloading Analysis of Mooring System

BONGKOT FIELD, THAILAND; Mooring Study

- Mooring Analysis of Turret Moored System

Keppel FELS: May 2009 – December 2011

- Multipurpose Self Elevating Platform (Jackup)
- 2 Keppel Fels Super B Class Transocean Drilling Jackup,

Responsibilities:

- Intact Stability & Damage Stability Analysis, Max KG calculation
- Wind Heeling Moment Calculations
- Worked with Model Maker and Auto Hydro for the modeling of the vessel and stability checks for the floating of the vessels
- Prepare loading cases for various purposes e.g. transportation of the blocks on the barge
- Conducted Inclining experiments, Deadweight surveys, cantilever weighing and cantilever load test, jacking trials, preloading calculation, etc for jack-ups
- Weight and center of gravity estimation for the lifting of blocks and various items onboard

Larson & Toubro, Vadodara, India: May 2008 – June 2008

Summer Intern, Naval Architect

- Ferry Vessel ,Indian Navy
- Tanker ,Colombo Dockyards

Responsibilities:

- Prepared Stability Booklet using PCSHCP of a Ferry Vessel Indian Navy.
- Resistance & Propulsion Calculations; Guldhammer method & Holtrop Menon Method
- Maneuvering & Sea Keeping Analysis of a Ferry Vessel

COMPUTER SKILLS

- Orcaflex, Hydrostar, Ariane, Autohydro, Auto-CAD, USFOS, OPILE, GRLWEAP
- Visual Basic (Macros in Excel), Python

PROFESSIONAL ASSOCIATIONS

- Associate Member of Royal Institute of Naval Architects (RINA)
- Associate Member of Institute of Marine Engineering Science & Technology (IMarEST)