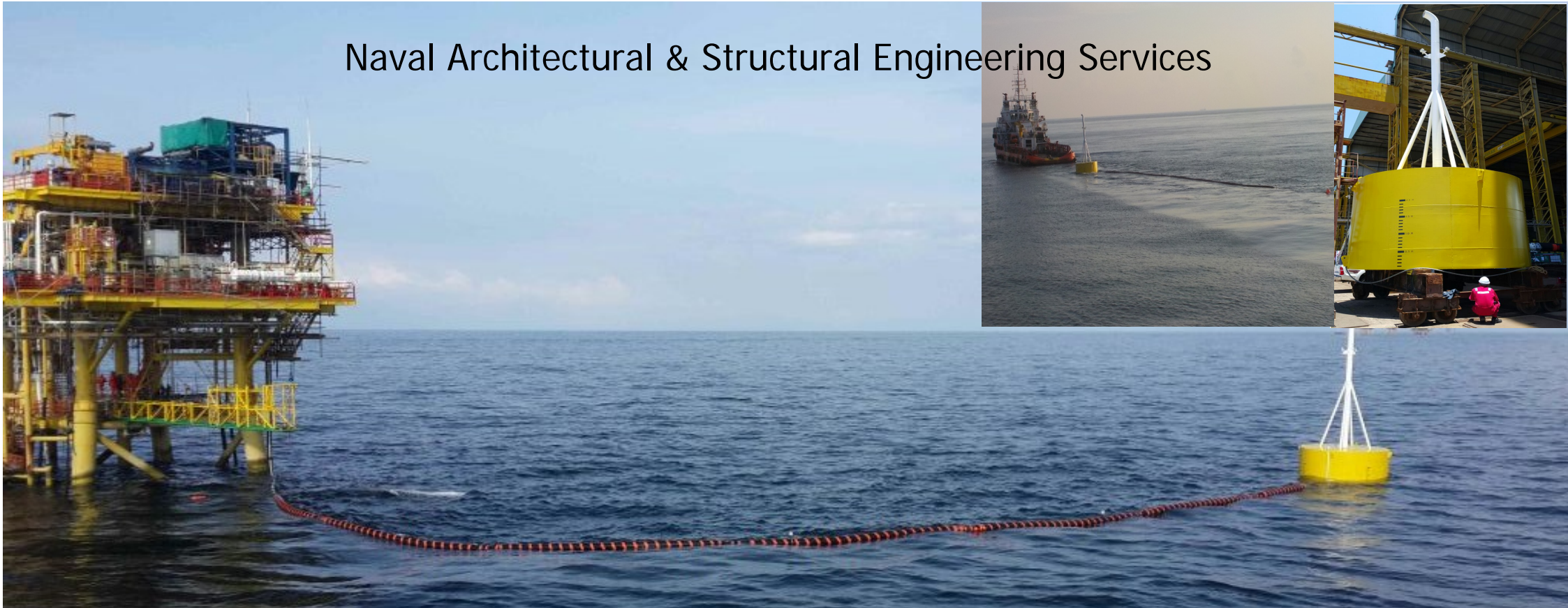


## Naval Architectural & Structural Engineering Services



**NSE Solutions Malaysia Sdn Bhd (Formerly known as NSE Energy)** is a specialist engineering consultancy dedicated to providing naval architecture, structural design and analysis services to the marine/offshore industry.

The company was founded in 2010 by a leading as an independent dedicated engineering design consultancy specialist in Floating Flare Unit (FFU) and Floating Vent Unit (FVU). NSE also provides engineering services such as Mooring Analysis, Pipe Lay Analysis, Loadout Analysis, Barge Motion and Transportation Analysis, Sea fastening Design, Jacket Dynamic Launch Analysis, Single Block and Double Block Jacket Upending Analysis and Floatover Engineering Analysis. NSE also supplied Experienced Naval Architect and Structural Engineer man power to the Oil and Gas Industry. NSE has opened offices in Kuala Lumpur Malaysia with a full time staff of naval architects and structural engineers, backed-up by a network of specialist freelance engineers.

We consider our most important assets to be our people, our independence and our reputation. NSE is a compact company, and our size means we are not burdened with large company overheads and are flexible enough to set up project teams to meet the specific requirements of our clients

### Our services overview are as follows:

- Supply Experienced Man Power in various disciplines such as Naval Architect, Structural Engineer, Marine Engineer and Surveyor
- Details Designs Engineering of Floating Flare and Floating Vent Unit
- Mooring Analysis
- Loadout Analysis
- Barge Motion & Transportations Analysis.
- Seafastening Design
- Jacket Dynamic Launch Analysis
- Jacket Upending & Lowering Analysis
- Topsides Float over Engineering Analysis

### Contact Us:

#### Main Office

33-1A, Jalan Desa Serdang 1  
Taman Desa Serdang  
43300 Seri Kembangan  
Selangor Darul Ehsan

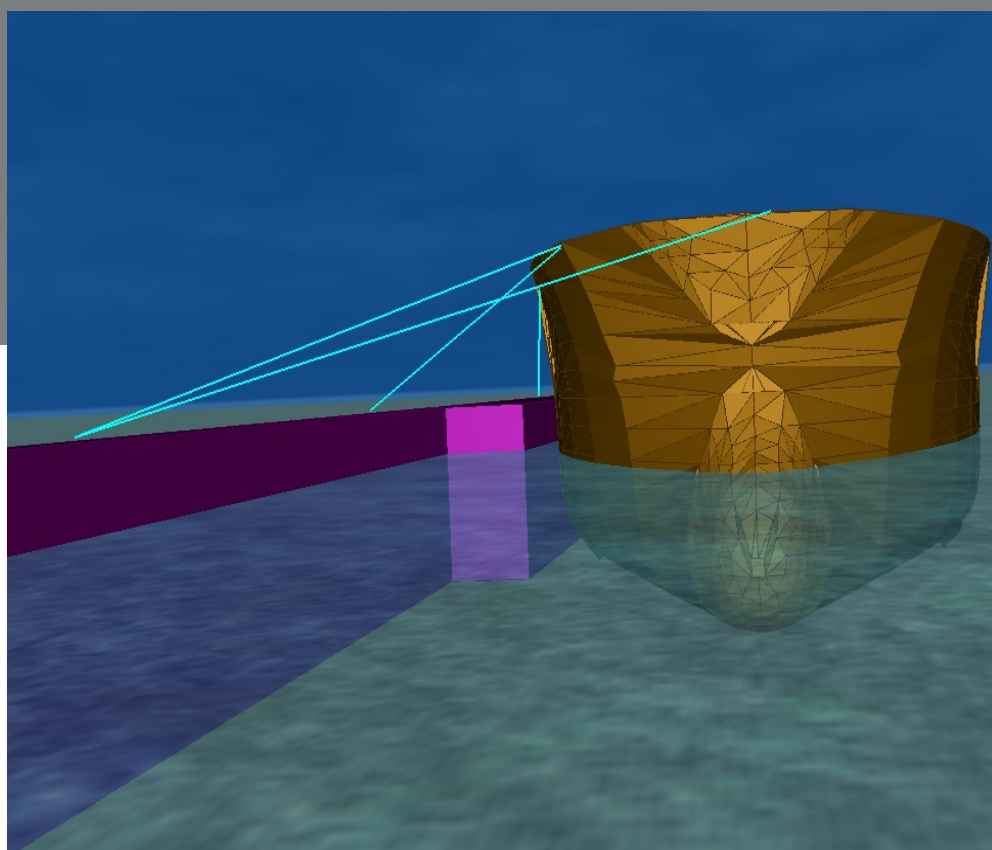
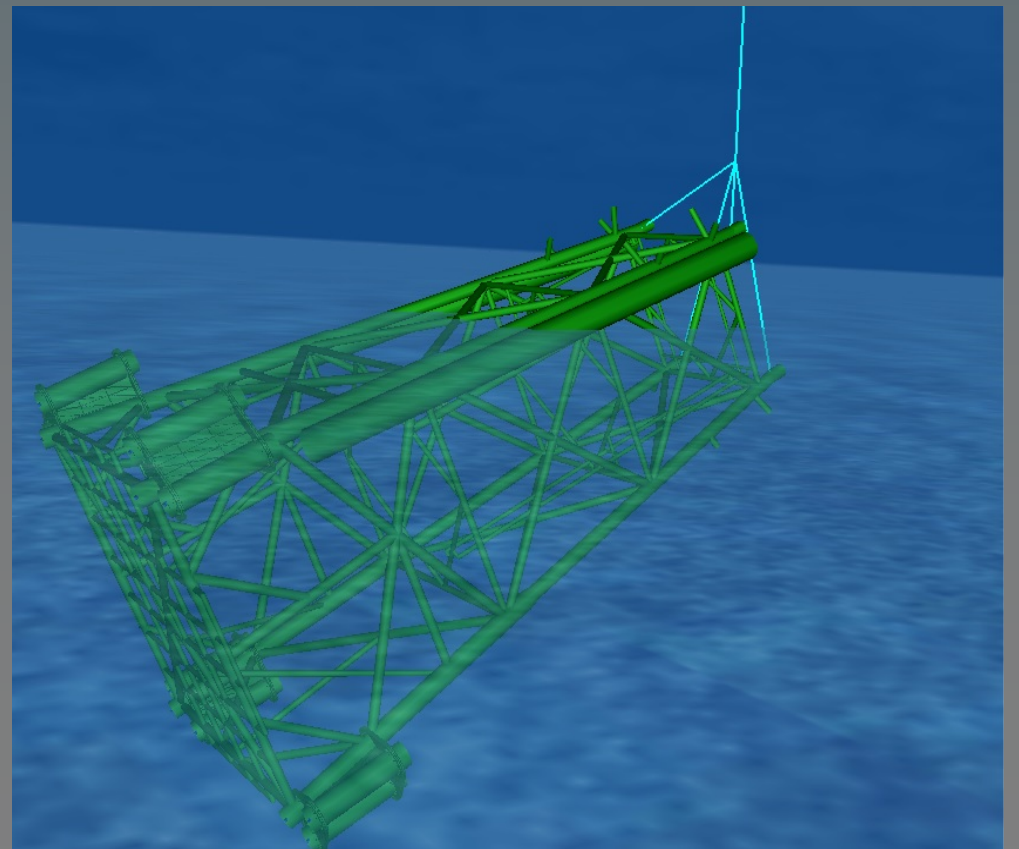
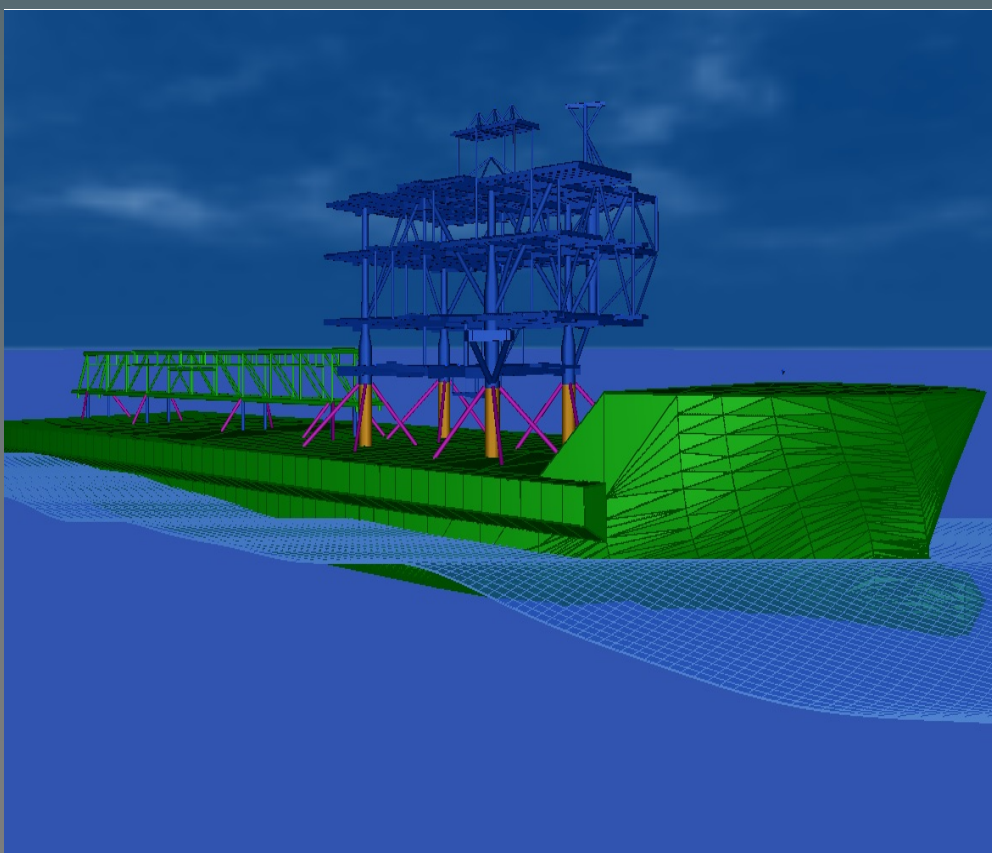
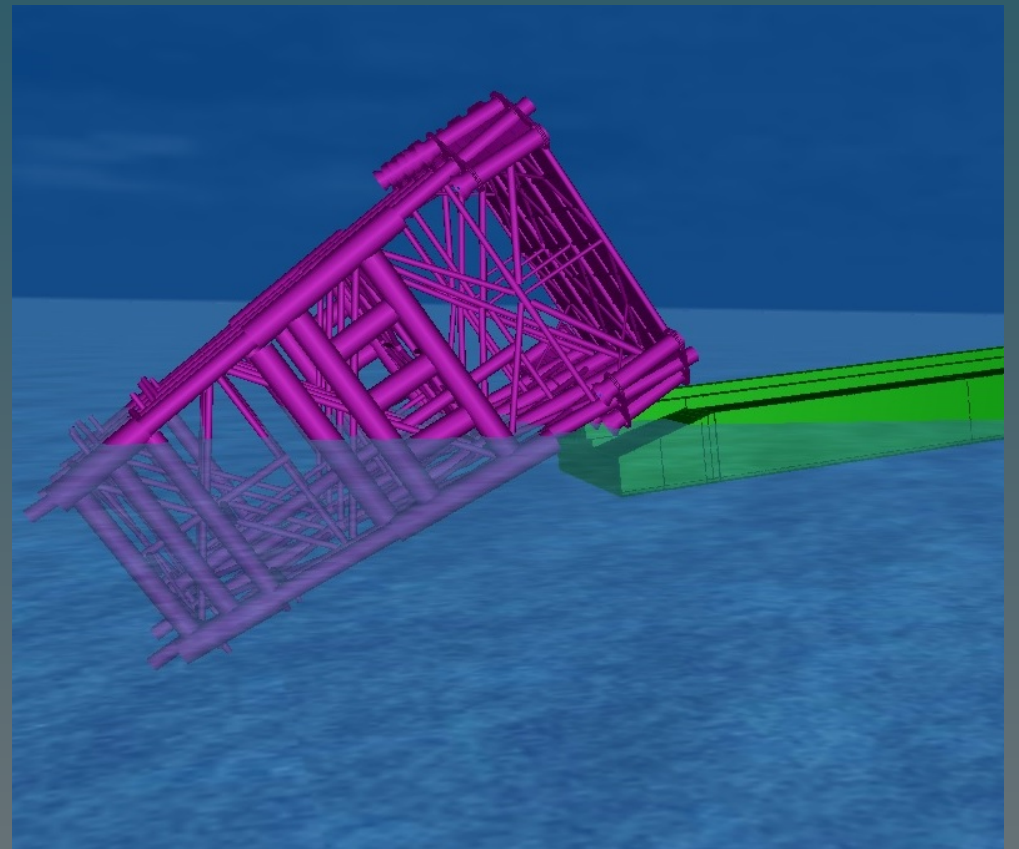
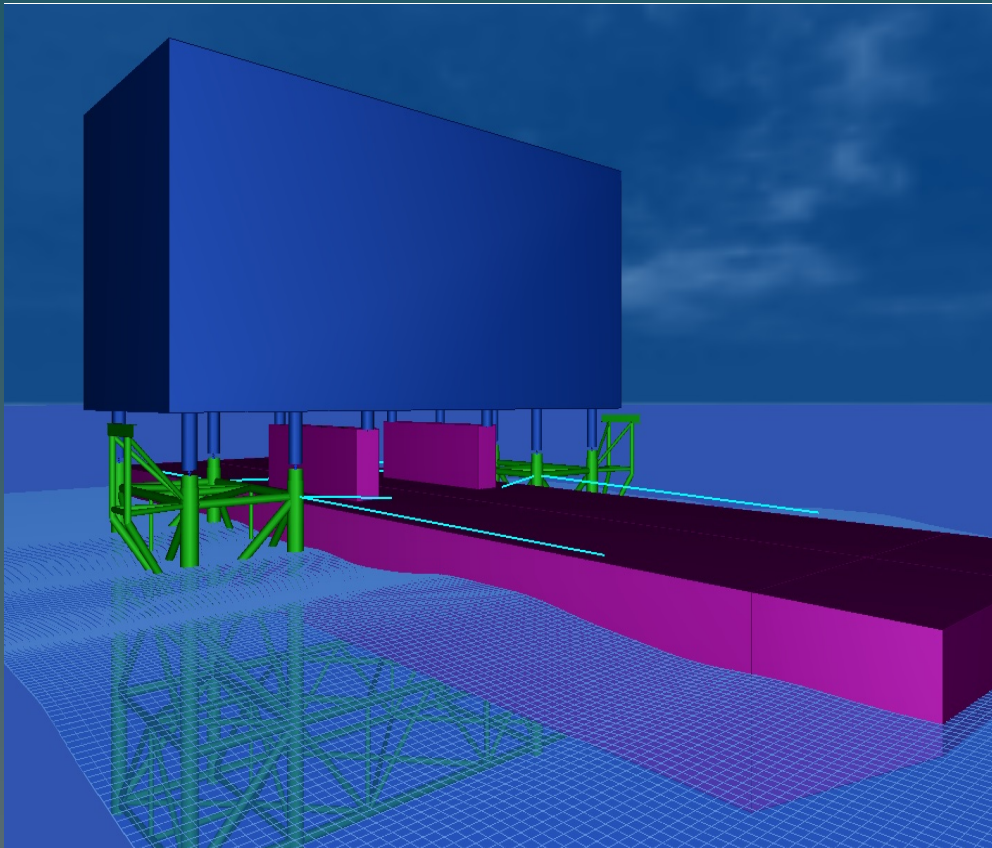
Tel: +603 8959 0552  
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admin@nsesolutions.com.my

or contact:

Mr. Buredah  
Mobile Phone No: +6013 289 7679

Web site: [www.nsesolutions.com.my](http://www.nsesolutions.com.my)

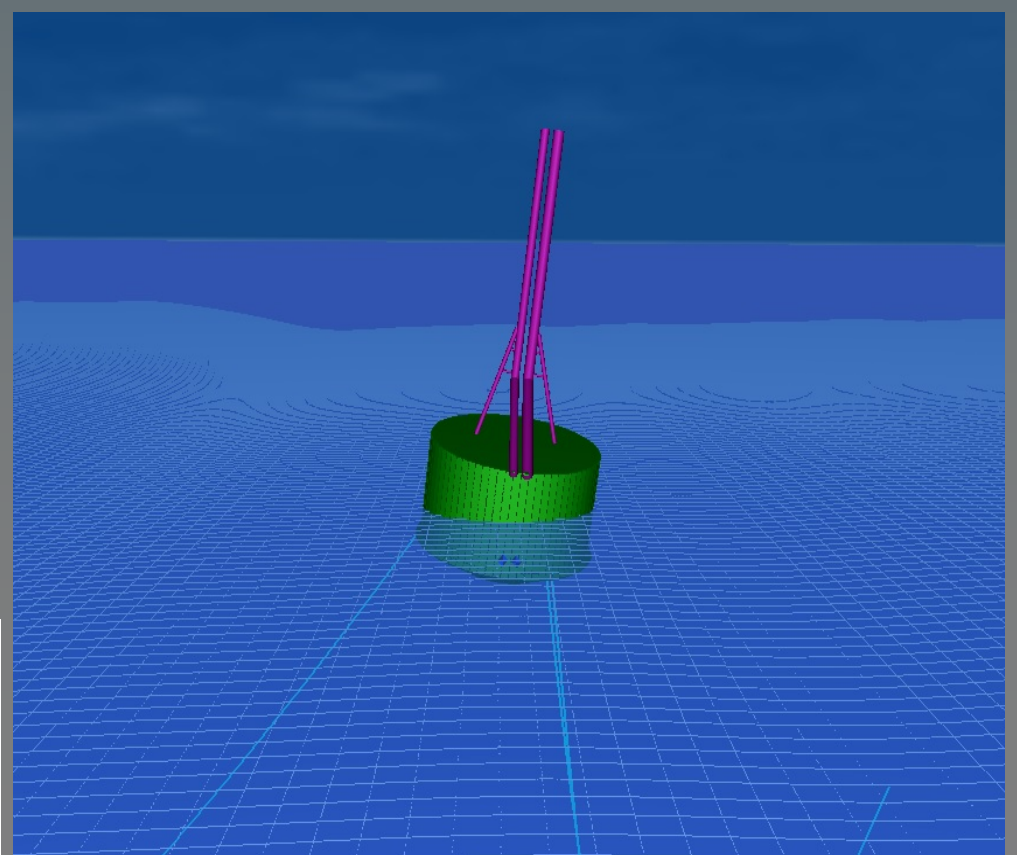
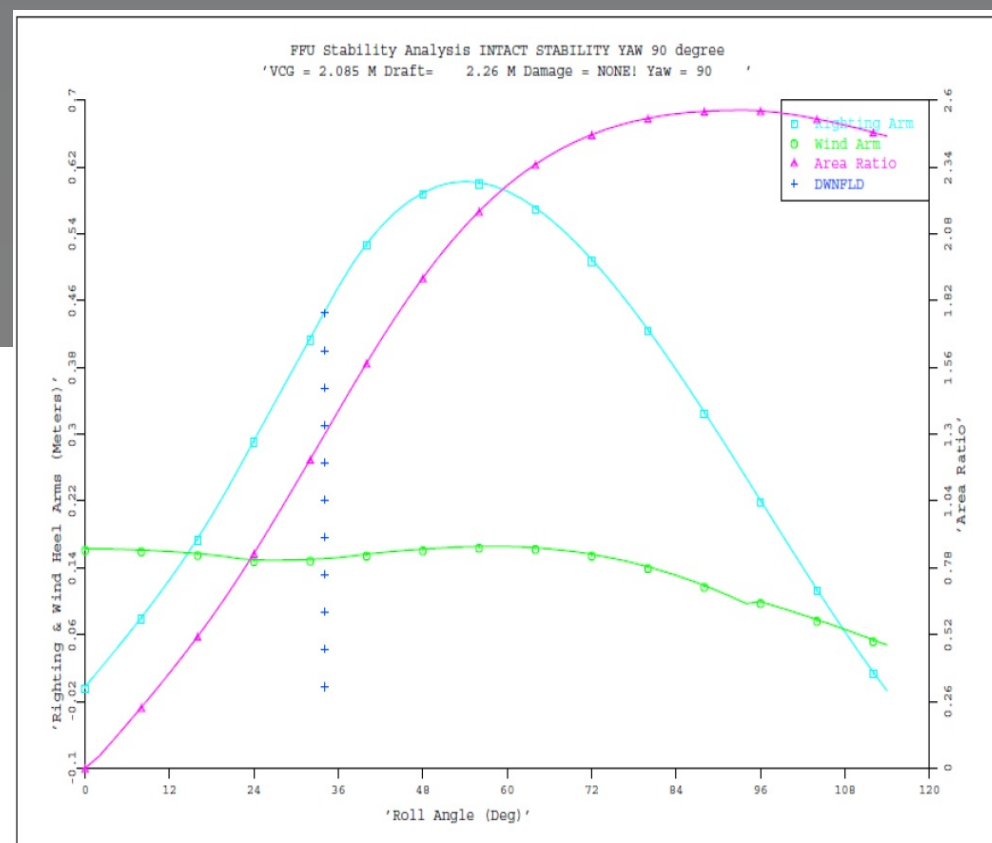
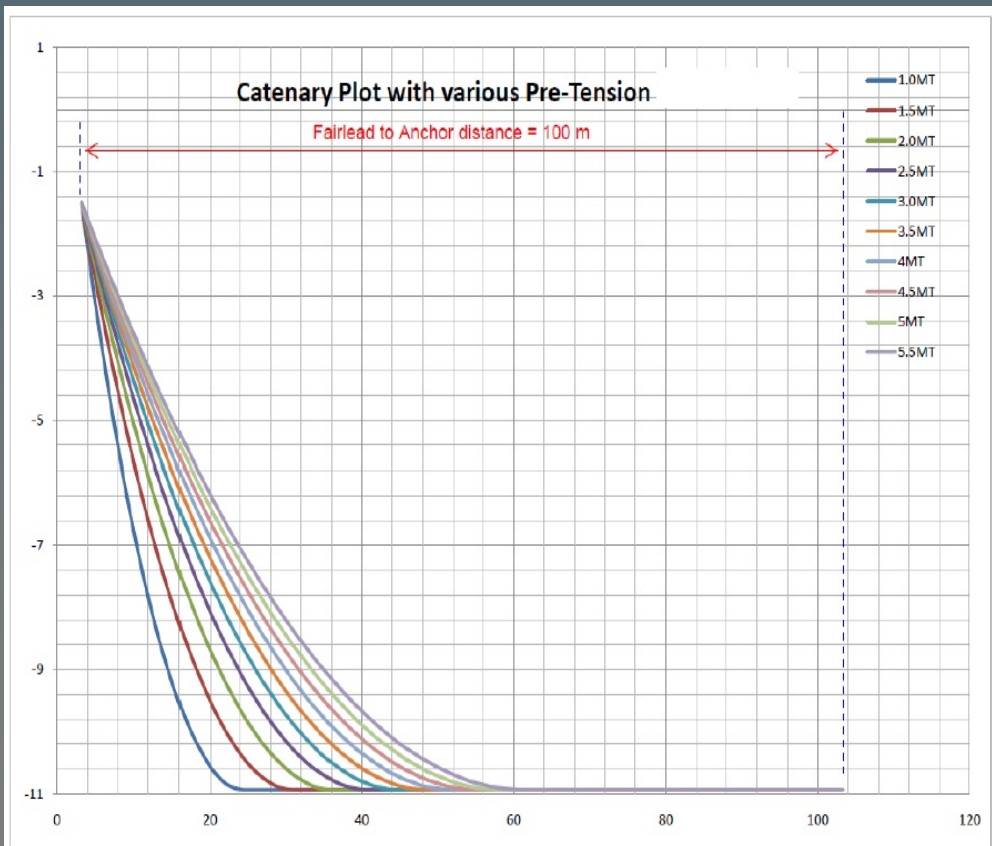
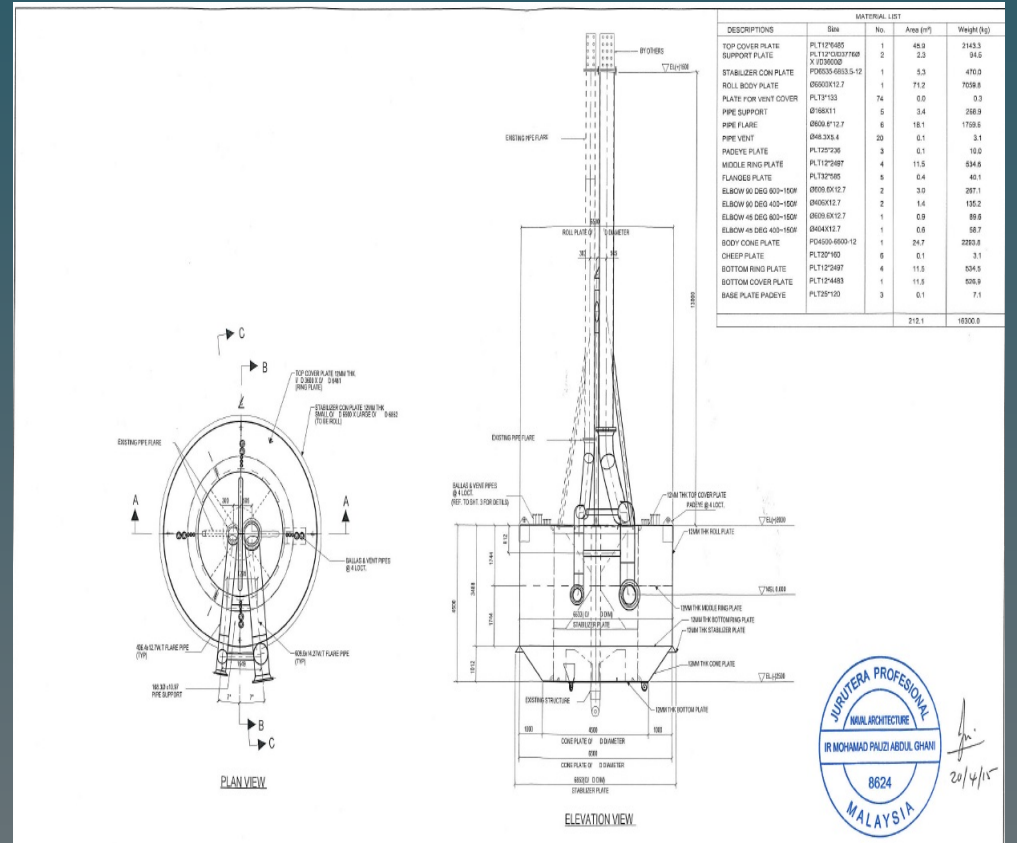
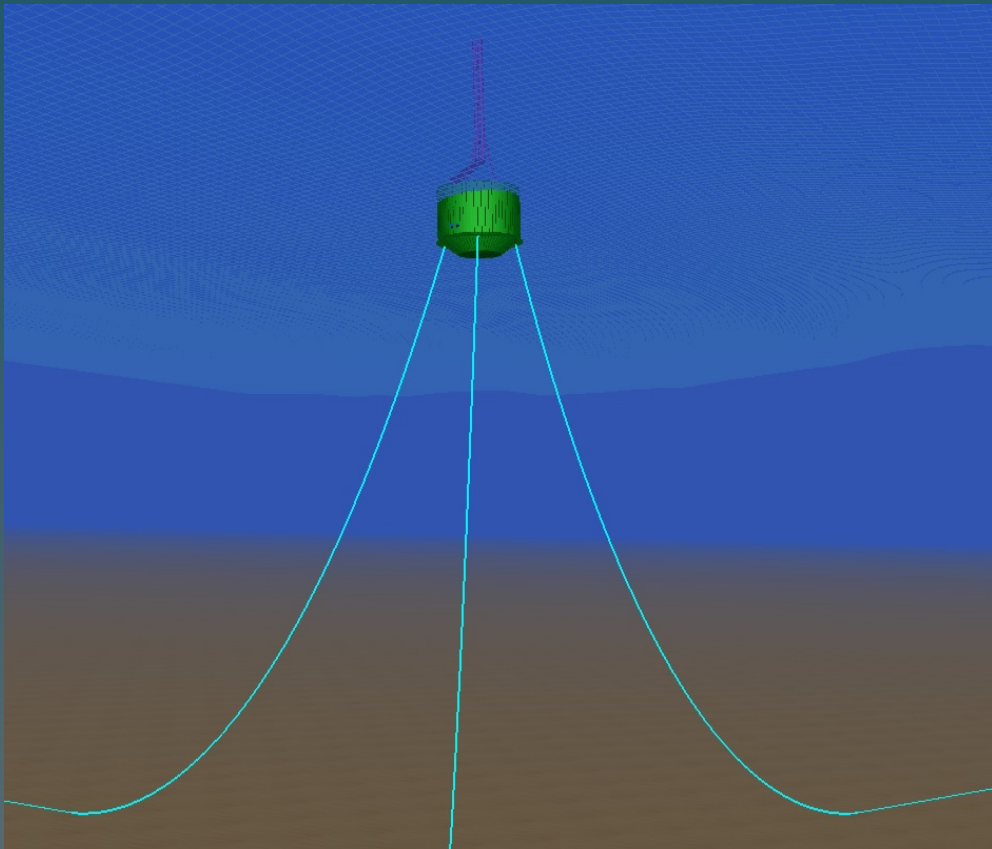
# Jacket & Topsides Installation Design Engineering



## Deliverables:

- Loadout Ballasting Analysis Report
- Loadout Mooring Analysis Report
- Barge Motion Analysis Report
- Jacket Dynamic Launch & Stress Analysis Report
- Jacket Floatation, Upending & Stress Analysis Report
- Topsides Floatover - Direction Workability Report
- Topsides Floatover - Floatover Methodology Report
- Topsides Floatover - KG Curve Analysis Report
- Topsides Floatover - Mating Loads Analysis Report
- Topsides Floatover - Mooring Line Loads Analysis Report
- Topsides Floatover - Fender Loads Analysis Report
- LMU, DSU & Floatover fender Specifications

# FFU & FVU Design Engineering



## Deliverables:

- Lifting Analysis Report
- Motion during tow & in-place Analysis Report
- Intact & Damage Stability Analysis Report
- Mooring Analysis Report
- Fatigue Analysis Report
- Hose Dynamic Analysis
- Pad-eye Design
- Drawings



# Helideck Installation Engineering



DOCUMENT TITLE:  
**INSTALLATION PROCEDURE AND LIFTING ANALYSIS REPORT**

CONTRACT NO:  
**CHO/C3/2012/DFHD/193**

WORK ORDER NO:  
**DFHD/2013/018A**

NOBLE DENTON MALAYSIA SON BHD	
Date	13/12/2015
WS No	PP140731
Received By	EMAIL
Action	REVIEW
Filing	

DOCUMENT REVIEWED & ACCEPTED WITH CONDITIONS  
Ref: PP140731-RN-004 Rev. 0  
Dated: 13/12/2015

DOCUMENT TITLE:  
**MOORING ANALYSIS REPORT AND ANCHOR HANDLING PROCEDURE OF PETRA CHALLENGER**

CONTRACT NO:  
**CHO/C3/2012/DFHD/193**

WORK ORDER NO:  
**DFHD/2013/018A**

NOBLE DENTON MALAYSIA SON BHD	
Date	15/12/2015
WS No	PP140731
Received By	EMAIL
Action	
Filing	REVIEW

Rev.	Date	Description	Prepared By	Checked By	Approved By	Approved By	Approved By
0	09-12-2015	Issued for Approval (IFA)	HR	MAK	MI		
B	07-12-2015	Issued for Review (IFR)	HB	MAK	MI		
A	03-12-2015	Inter-Discipline Check (IDC)	HB	MAK	MI		

Vendor/Sub-Contractor (URUNATURE)

DOCUMENT REVIEWED & ACCEPTED WITH CONDITIONS  
REF: PP140731-RN-006, REV. 0 DATE: 16/12/2015

## Deliverables:

- Loadout Analysis Report
- Tow Analysis Report
- Sea-fastening Design Report
- Mooring Analysis Report
- Lifting Analysis Report
- Transportation & Lifting Procedure
- Drawings

REVIEW