

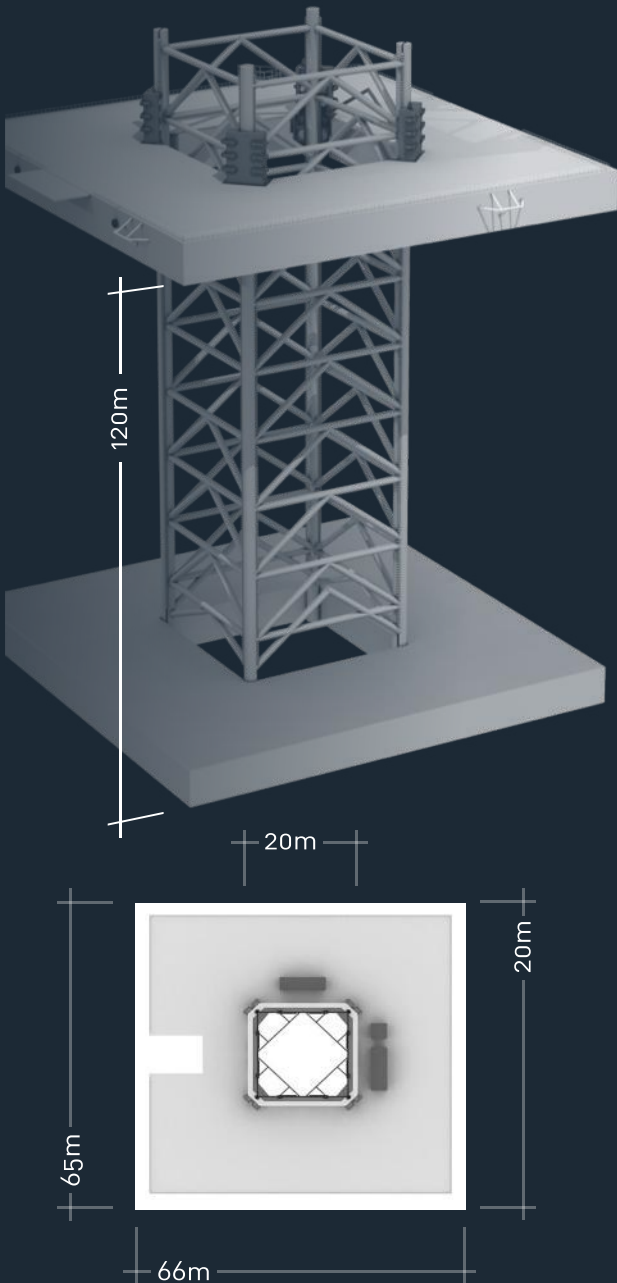
The self-installing and relocate-able Mono-Column Platform (MCP) is an engineering superiority evolved from the strengths of both existing single-column platform and mat-supported jack-ups.

The MCP can be designed to meet our client’s field development requirements such as production platform, wellhead platform, accommodation, tender-assist drilling, oil production, water injection, gas treatment etc.

The MCP is a patented design by renowned engineer and architect Brian Chang. Its innovative design utilises existing proven technologies such as Bethlehem Steel Mat Jack-Up and offshore Jacket structures. It is classed under ABS with the notation of A1, Self-Elevating Unit and can be subsequently converted to an A1, Offshore Installation, depending on site specific requirements.

The MCP is designed to be outfitted with different types of modular facilities. We are able to customize the MCP to suit the Client’s requirements, which can be in the form of Deck Space, Deck Strength, Environmental Limits as well as Functions. The MCP can be upsized or downsized by reduction or increase in some parts subject to our Client’s requirements e.g. a reduction in the leg length for shallower waters or increase in the size of the mat to improve the stability in specific site conditions.

The MCP is ready to be expediently deployed as offshore solution to early monetize oil & gas now, with the capacity to cater for future growth or changes in the program.

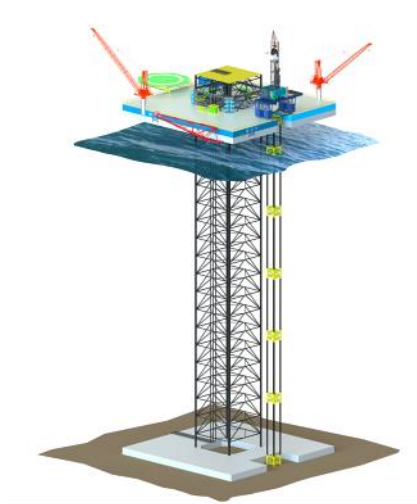


	Tank Size (m ³)	Qty	Total (m ³)
Potable Water	591.55	2	1,183.10
Sea Water	629.99	4	2,519.96
Fuel Oil	393.65	2	787.30
Open Drain Tank	144.96	2	289.92
Dirty Oil	44.53	1	44.53
Waste Water	72.16	1	72.16
Sewage	48.11	1	48.11

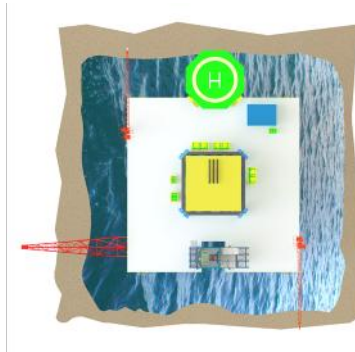
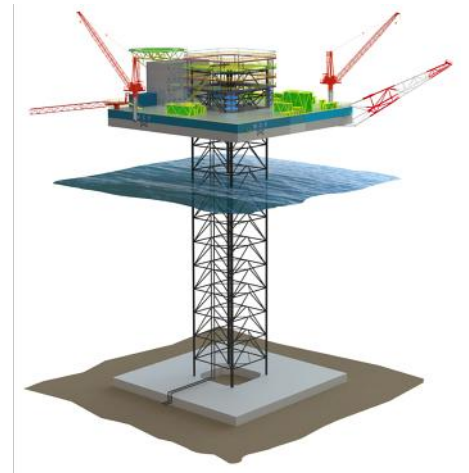
MCP
PRINCIPAL PARTICULARS

- Brian Chang Design
- Self – Installing/Removal
- Deck Space of 3,600m² suitable for wide range of facilities
- Water Depth : 120 m upgradable
- Air Gap : 9.95 m
- Deck Load up to 5,000MT*
- Class & Notation : A1, Self-Elevating Unit
- Capable to remain on site up to 20 years

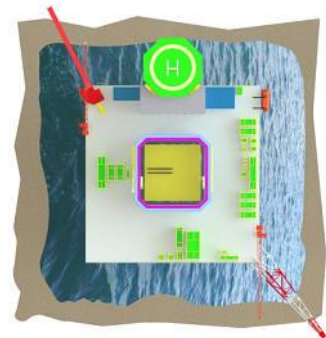
WELL COMPLETION



PROCESSING OIL & GAS



- “Super Single”
- Drilling with Production & Quarters



- Central Production Platform
- Wellhead Platform
- Water Injection Platform
- Auxilliary Platform

Concepts shown here are for illustration and actual configuration and layout are dependent on the project.

MCP LITE

The MCP Lite is a lighter version of the MCP, targeting fields of shallow depth water (up to 90m). Similar to the MCP, it is multi-functional and can be outfitted with different modular facilities subject to our Client's site and requirements.

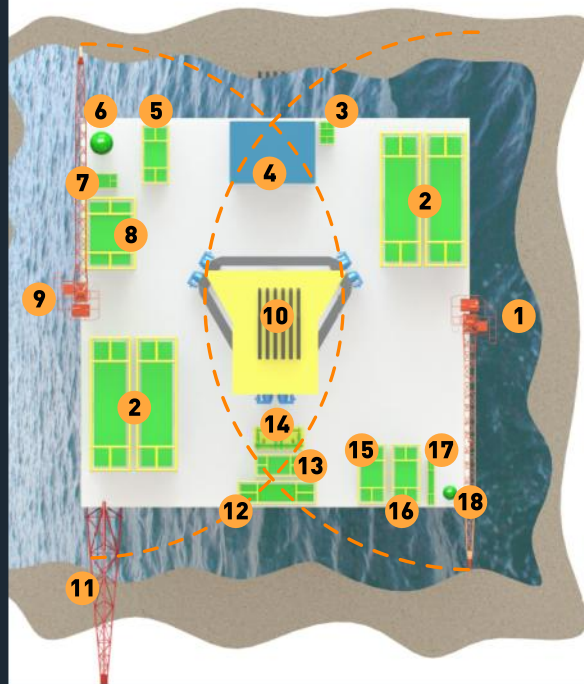
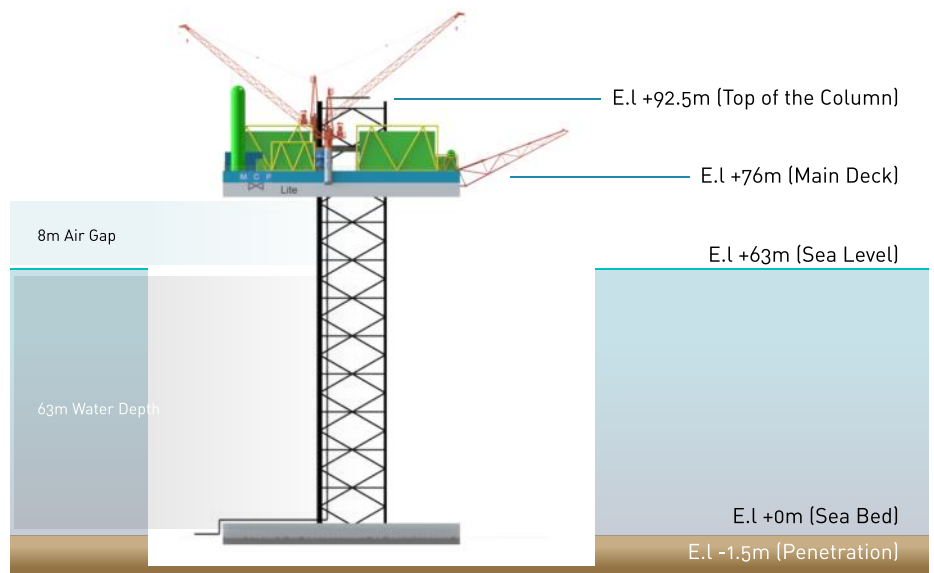
PRODUCTION PLATFORM (MCP-Lite)

MCP - Lite		Production Capacity	
Hull	: 50m x 50m	BLPD	: 16,000
Mat	: 50m x 50m	BOPD	: 8,000
Column	: 16m x 16m (Chord to Chord)	BWPD	: 8,000
Water Depth	: 63m	MMSCFD	: 100

KEY EQUIPMENT

1. 50t crane
2. 4 x 35% Compressor Skids (HP & LP, Gas Lift Combined)
3. Fuel gas
4. MCC
5. Sea Water Injection Pump
6. Deaerator
7. Chemical Injection Package
8. Sea Water Filter package
9. 50t crane
10. 6 x Receiver / Pig Launcher
11. Blow Down vent
12. LP Separator
13. HP Separator
14. Manifold
15. Electrostatic Coalescer
16. Pump Package
17. Compact Floatation Unit
18. Hydro Cyclone

PRODUCTION PLATFORM (MCP-Lite)



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