Regional Morning Notes

SECTOR UPDATE

Oil & Gas – Malaysia

PAO In 2023: A Year Of Catch-up And Energy Transition

Local O&G activity may remain strong, especially large platforms and rigs, and sector valuations may have largely priced in strong rig/maintenance demand, with Velesto and MMHE (re-rated after CPP wins) as examples. We foresee future project decisions may not only require high O&G prices, but also the increasing importance of other factors like the returns of heavy capex green/carbon capture projects. We still see opportunities in FPSOs, ESG beneficiaries and recovery plays.

WHAT'S NEW

- Generally better outlook for local O&G activities, but ESG commitment is not to be underestimated. OPEC+ supply management will continue to support consensus oil price view of US\$93/bbl for 2023, with O&G prices to remain high. On top of this, making sense of ESG-related factors like the degree of maturity and returns of the carbon credit/trading markets, may be increasingly factored into the DCF of O&G projects. This is because the available carbon capture technologies are as costly as a CPP at the US\$162m-410m range, with payback periods of >8 years, based on an academic study on a local CPP.
- In comparison to previous Petronas Activity Outlook (PAO), PAO 2023-25 saw major demand upgrades to fabricate CPP platforms, underpinned by higher oil prices and energy transition (ie additional platforms for carbon capture). Petronas is also reviving floating project (FPSO) for Limbayong and Kelidang (Brunei) for 2024/25, and local drilling outlook also saw major upgrades. There are minor upgrades for maintenance demand like hookup and commissioning and associated services like OSV.
- O&G value chains benefit only if they are an ESG priority, as observed by cuts in local outlook for wellhead platforms and well P&A. The energy transition element in the new industry cycle is changing Petronas capex mix away from solely investing in local O&G projects. An example is its unit Gentari which will see increased allocation to 20% of group capex level, and likewise for other subsidiaries like MISC (more LNG/zero-emission fuel tankers), and Petronas Chemicals (more specialty chemicals and circular economy). Petronas itself is reportedly evaluating a US\$1.5b acquisition of Continuum Green Energy in India, with 4,000MW of solar and wind capacity, and a US\$10b LNG terminal in Argentina.

ACTION

- Maintain OVERWEIGHT on sector. In our view, with Velesto's current valuation mostly
 reflecting strong 2023 utilisation (after a major re-rating), O&G sector valuations may have
 also largely priced in stable local maintenance demand (to catch up on deferred works). The
 industry outlook will remain volatile, especially on Petronas' contract rate renegotiations for
 major local contract renewals in 2023, like Pan Malaysia MCM and underwater services,
 production chemicals and slicklines. Some O&G stocks may still trade at a discount if they
 find it increasingly challenging to build up ESG expertise and improvise cost structure.
- We still see pockets of opportunities, such as: a) FPSO stocks like Yinson, MISC and Bumi Armada benefitting from international capex demand, with Yinson remaining as our top pick (BUY/Target: RM4.45), for the best growth, delivery track record and ESG goals; b) ESG: trading upside if the following stocks secure greener projects, ie MMHE (offshore wind and green shipping retrofit works) and Bumi Armada (floating gas projects); c) Sapura Energy if it reverses its financial loss condition early (though not in the near-term horizon ie before May 23). While MMHE was the major winner behind the Rosmari-Majoram (RM) and Kasawari CPPs, Sapura Energy (as the only other large local yard peer) may emerge as a serious contender for PTTEP's Lang Lebah CPP (to be fabricated in 2024 horizon) as there are plans for its B14 field to be tied in to the Lang Lebah project.

PEER COMPARISON

			Share Price	Target	Market	P	'E	P/	/B	Interes	t Cover	Net Debt	to Equity	R(DE
			3 Jan 23	Price	Cap	2022F	2023F	2022F	2023F	2022F	2023F	2022F	2023F	2022F	2023F
Company	Ticker	Rec	(RM)	(RM)	(RMm)	(x)	(x)	(x)	(x)	(x)	(x)	(%)	(%)	(%)	(%)
Bumi Armada	BAB MK	BUY	0.48	0.65	2,840.7	3.4	3.6	0.5	0.4	4.2	4.6	68.3	53.4	15.5	12.5
Dialog Group	DLG MK	BUY	2.40	2.35	13,824.3	29.4	24.3	2.9	2.7	14.9	16.9	8.7	9.7	10.2	11.3
Deleum	DLUM MK	HOLD	0.91	0.88	361.4	10.2	9.3	0.9	0.9	61.8	64.2	n.a	n.a	9.2	9.7
MISC	MISC MK	BUY	7.27	8.20	33,478.1	16.6	16.9	1.0	0.9	8.2	7.5	39.2	43.4	5.8	5.6
MMHE	MMHE MK	BUY	0.62	0.75	952.0	17.3	26.0	0.5	0.5	9.5	8.1	n.a	n.a	3.2	2.1
Petronas Dagangan	PETD MK	HOLD	22.24	22.90	22,849.4	28.3	25.0	4.0	3.9	n.a	n.a	n.a	n.a	14.1	15.8
Sapura Energy	SAPE MK	HOLD	0.04	0.05	559.3	(2.3)	(2.3)	(17.3)	(2.0)	1.3	0.9	n.a	n.a	n.a	n.a
Uzma	UZMA MK	BUY	0.53	0.67	184.8	7.5	6.6	0.4	0.4	4.1	4.4	58.8	66.3	4.3	5.3
Velesto Energy	VEB MK	BUY	0.15	0.17	1,232.3	10.6	20.2	0.7	0.6	18.8	24.2	5.8	n.a	6.4	3.2
Yinson Holdings	YNS MK	BUY	2.45	4.45	7,035.6	19.6	11.5	2.3	2.2	3.2	4.6	107.5	110.0	9.1	13.1
Source: Bloomberg															

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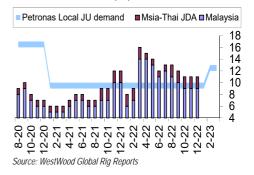
OVERWEIGHT

(Maintained)

LOCAL WELLS TO BE DRILLED FOR 2023

Exploration	25	
Appraisal	2	
Development	69	
Workover	21	
• P&A	28	
Source: PAO 2023-2025		

MALAYSIA'S JACKUP (JU) RIG COUNT



SEGMENTS WITH UPGRADES IN OUTLOOK FOR 2022/23 HORIZON VS PREVIOUS PAO

Sub segments	Stocks
Central Processing Platform (CPP) – Major upgrades	MMHE, Sapura Energy
Jackup (JU) rigs and hydraulic workovers (HWU) – Major	JU – Velesto Energy
upgrade	HWU – Velesto, Uzma,
	Destini, T7Global
Hook up, commissioning (HUC) – Minor upgrades	Dayang, Carimin, Petra, Deleum, T7 Global
Offshore support vessels (OSV) – Minor upgrades	JU – Velesto Energy
	HWU – Velesto, Uzma,
	Destini, T7Global

Source: PAO 2023-2025, UOB KayHian

SEGMENTS WITH POORER OUTLOOK

Sub segments	Stocks
Wellhead Platforms (WHP) -	KKB Engineering,
Major downgrades	Muhibbah
Wells plug and abandonment (P&A)	Uzma, Velesto Energy,
 Minor downgrade 	Destini, T7 Global
Source: PAO 2023-2025, UOB KavHian	

ойнсе: РАО 2023-2025, ООВ Ка

ANALYST(S)

Kong Ho Meng

+603 2147 1987 homeng@uobkayhian.com

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TAKEAWAYS OF PAO 2023-25, AND COMPARISON TO THE PREVIOUS PAO(S)

Facts and comparison	2023-25	Actual, Jan till Nov 22	2022 – 24 (previous)	2021-23 (previous)	Actual Jan to Oct 2021	Comments
Wellhead platforms (WHP) first steel cuts (low to high case scenario)	8 in 2023/ 5-10 in 2024/ 1-6 in 2025	6 (5 medium- tonnage); above plan	5 in 2022/ 2-13 in 2023/ 7-12 in 2024	6 in 2021/ 1-3 in 2022/ 3-5 in 2023	5 (4 medium- tonnage); 1 deferred to 2022	WHP requirements continued to have huge adjustments across the PAO documents, factoring in oil price economics, potential tie-ins, technology (unmanned platforms) and carbon emissions. Smaller yards like KKB Engineering and Muhibbah to benefit more, vs SAPE/ MMHE
						Stocks: KKB Engineering, Muhibbah, Sapura Energy, MMHE
Central processing platforms (CPP) first steel cuts (low to high case scenario)	1 in 2023/ 1 in 2024/ 0-2 in 2025	1 (most likely Rosmari-Marjoram, by MMHE)	0 in 2022/ 0 in 2023/ 1 in 2024	1 in 2021/ 0 in 2022/ 1 in 2023	1 (most likely Jerun, by MMHE)	MMHE guided the RM4.5b Kasawari Carbon Capture CPP will see first steel cut by 2Q23. The 2024 event may most likely be PTT's Lang Lebah. Stocks: Sapura Energy, MMHE
Decommissioning of wells, (low to high case scenario)	28 in 2023/ 32 in 2024/ 43 in 2025	30; lower vs plan by 1 well	31 in 2022/ 40 in 2023/ 50 in 2024	18 in 2021/ 24 in 2022/ 29 in 2023	13; lower vs plan, due to COVID-19 restriction	Surprisingly, well P&A demand for 2023/24 is cu vs the previous PAO, despite Petronas "ensuring all abandonment obligations will be met", possibly due to extending the production life at high oil prices. Stocks: Uzma, Velesto Energy, Destini, T7
Decommissioning of platforms/subsea trees (low to high case scenario)	1 each in WHP, pipeline, FPSO and CPP in 2023/ 1 WHP, 2 FPSO and 2 pipes in 2024/ 1 each in WHP,	Only 1 pipeline was decommissioned vs the plan of 2	2 WHP and 2 pipelines in 2022/ 1 CPP in 2023/ 3 platforms in 2024	0 in 2021/ 3 in 2022/ 4 in 2023	Pipeline abandonment was executed as planned (3)	Aged/underperforming platforms like FPSO Bunga Kertas (which caused safety incidents) are most likely candidates for P&A, although Petronas is still exploring alternative (ie reuse/repurpose) options.
	pipeline in 2025					Stocks: Sapura Energy, MMHE, Destini, Uzma, T7 Global, Dayang
p.a. (low to high case	94-96 AHTS (70-72 for drilling projects) 65-70 PSV 66-78 FCB	166, higher vs 138 plan for production, as additional vessels were	109-114 AHTS (83-87 for drilling projects) 43-57 PSV	82-98 AHTS (61- 78 for drilling projects) 45-69 PSV	151, higher vs 131 plan for production support;	Implementation of unmanned platforms may reduce OSV demand for production support, at 147/ 146/ 139 in the next three years. Demand for drilling support is 204/ 187/ 190 in
scenario)	36-49 Workboat/ Barge	required 173, lower vs 198	55-76 FCB 36-42 Workboat/ Barge	30-33 FCB 30-39 Workboat/ Barge	138, lower vs 172 plan for drilling support	the next three years, in tandem with high drilling demand.
		plan for drilling, due to deferment				Stocks: Perdana Petroleum, Icon Offshore, Sealink, Marine & General, Alam Maritim, Petra Energy
Jackup (JU), tender (TADR) rigs each. (low to high case scenario)	2023/ 2024/ 2025: JU: 12/ 14/ 12 TADR: 4/ 4/ 4	JU: 9/ TADR: 3; JU rig count is in line with plan by Oct 22	2022/ 2023/ 2024: JU: 9/ 9/ 16 TADR: 4/ 4/ 3	2021/ 2022/ 2023: JU: 10/ 7/ 10 TADR: 4/ 5/ 4	JU: 9/ TADR: 3; Below 2020/ 2021 plan	High regional rig demand in tandem with tightening rig market supply (due to Middle East rig acquisition activities) underpins the positive outlook for JU rig utilisation. Stocks: Velesto Energy (JU rig), Sapura Energy (tender/ TADR rig)
Man-hours in millions (m), Topside maintenance	2023/ 2024/ 2025: HUC: 5.0-5.2m/ 3.1- 3.8m/	HUC: 3.4m man hours, much lower vs plan	2022/ 2023/ 2024: HUC: 6.3-6.6m/	2021/ 2022/ 2023: HUC: 3.5m/ 4.7-	HUC: 4.7m man hours, above 2021 plan on acceleration of activities;	HUC: Contrary to the previous PAO when 2022 was expected to be the peak HUC activity, many works were deferred to 2023, and Petronas now expects activity to potentially peak in 2025.
or maintenance, construction and modification (MCM),	4.56.2m MCM: 11.9m/ 12.3m/	MCM: 8.7m man hours – below plan due to lingering	4.5-5.4m/ 2.9- 4.1m	5.3m/ 3.3-5.2m MCM: 10.1/	MCM: 8.5m man hours, due to	MCM: 2022 still saw works being deferred due to manpower issues. The increasing demand until 2025 underpins critical needs for maintenance.
Hookup and commissioning (HUC)	13.1m	COVID-19 impact on manpower planning	MCM: 11.5m / 11.4m/ 11.8m	11.5m/ 10.0m	rationalisation	Stocks: Dayang, Carimin, Petra Energy, Deleum, Sapura, T7 Global
Downstream, no of plant turnarounds	7 in 2023/ 11 in 2024/ 8 in 2025	10; Sabah/ Sarawak major turnarounds: 4 Peninsular major turnarounds: 2	11 in 2022/ 9 in 2023/ 9 in 2024	11 in 2021/ 7 in 2022/ 8 in 2023	10; Sabah/ Sarawak major turnarounds was 5; Peninsular was 1	Major turnarounds (involving >350k man hours) for Sabah/Sarawak are planned for 1/4/3 for 2023/24/25. For Peninsular, major turnarounds are expected to be 2/4/3 for all three years. Turnaround increases in 2024 as it includes PRefChem.
						Charles Dislam MMUE Delaym Franklan

Stocks: Dialog, MMHE, Deleum, Frontken

*Note: Blue highlights refer to activity outlook that is UPGRADED vs the previous outlook **Note: Red highlights refer to activity outlook that is DOWNGRADED vs the previous outlook Source: Petronas, UOB Kay Hian

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