

Vietnam

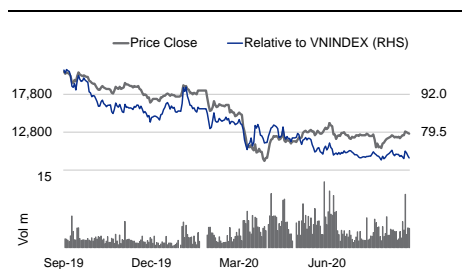
ADD (no change)

Consensus ratings*: Buy 7 Hold 1 Sell 0

| | |
|-------------------------|---------------|
| Current price: | VND12,600 |
| Target price: | VND15,900 |
| Previous target: | VND16,500 |
| Up/downside: | 26.2% |
| CGS-CIMB / Consensus: | 9.7% |
| Reuters: | PVS.HM |
| Bloomberg: | PVS VN |
| Market cap: | US\$260.0m |
| | VND6,022,376m |
| Average daily turnover: | US\$2.16m |
| | VND50,098m |
| Current shares o/s: | 478.0m |
| Free float: | 34.0% |
| *Source: Bloomberg | |

Key changes in this note

- FY20-22F EPS forecasts decreased by 6.7-9.6%



Source: Bloomberg

| Price performance | 1M | 3M | 12M |
|-------------------|------|----|-------|
| Absolute (%) | 17.8 | 0 | -39.4 |
| Relative (%) | 7.4 | -2 | -29 |

| Major shareholders | % held |
|------------------------------------|--------|
| PetroVietnam Group | 51.4 |
| Acadian Frontier Markets Equity | 3.3 |
| Vietnam Invstmt. Property Holdings | 3.2 |

Analyst(s)



Mai PHAM

T (84) 94 328 0850

E mai.phamle@vndirect.com.vn

PetroVietnam Technical Services

Finding momentum in domestic projects

- We expect domestic projects such as Block B-O Mon and Su Tu Trang Phase 2 (est. total value: US\$1.3bn) could support PVS's FY21-23F bottomline.
- Reiterate Add, at a lower TP of VND15,900.

2Q20 net profit supported by O&M segment and provision reversal

PetroVietnam Technical Services (PVS) reported a 14.3% increase in net revenue and a 22.1% increase in net profit in 2Q20. The yoy growth was thanks to: 1) revenue recognition of near-completion projects, such as Sao Vang Dai Nguyet and Gallaf Qatar, accompanied by a 3.9%-pt gross margin expansion in the Operation and Maintenance (O&M) segment (from 9.0% to 12.9%) — this helped offset the weak performance of port base and FPSO segments; and 2) a strong dip of 57.1% yoy in G&A expense in 2Q, as the company made VND22bn of provision reversal on bad debt collection (vs. VND95bn provision expense in 2Q19).

1H20 net profit slightly behind expectation

Due to a sluggish 1Q, 1H20 net profit dropped 35.7% yoy on the back of: 1) a 4.0%-pt contraction in blended GPM, as a result of higher operating costs from implementing Covid-19 restrictions; 2) a 60.2% slump in income from affiliates, as Rong Doi MV12 JV needed to make provisions after encountering unexpected technical issues; and 3) positive 1H20 minority interest of VND35bn, due to lower loss from the CGGV JV (vs. negative minority interest of VND33bn in 1H19). Net profit met only 41.9% of our full-year forecast as we had anticipated higher income from affiliates and lower minority interest.

Domestic demand could be the key earnings driver in FY21F

PVS has yet to confirm any big contracts to add to its FY21F backlog, but we think that most of its potential contracts would be domestic, due to: 1) rising global competition, in light of capex cuts on O&G activities; and (2) Vietnam's gas shortage leading to the need to either develop new gas fields or build infrastructure to import LNG. In addition, Vietnam's success in containing the Covid-19 pandemic is also a supporting factor for the execution of new projects. We expect PVS could win the Block B-O Mon pipeline and Su Tu Trang Phase 2 contracts, adding an est. US\$1.25bn to its FY21-23F backlog.

Reiterate Add, at a lower TP of VND15,900

We cut our FY20-22F EPS forecasts by 6.7-9.6% to reflect weaker-than-expected income from affiliates and better subsidiary performance (higher minority interest). This results in a lower TP of VND15,900, based on an equal weighting of DCF and target FY20-22F P/E of 6.8x. Re-rating catalyst is new contract awards, such as Block B-O Mon and Su Tu Trang Phase 2. Downside risks include geopolitical issues that could affect the progress of domestic E&P projects and higher-than-expected cost incurred at FSO MV12.

| Financial Summary | Dec-18A | Dec-19A | Dec-20F | Dec-21F | Dec-22F |
|--------------------------------|---------|---------|---------|---------|---------|
| Revenue (VNDb) | 14,638 | 16,968 | 16,243 | 20,451 | 20,985 |
| Operating EBITDA (VNDb) | 939.9 | 618.6 | 788.2 | 820.5 | 922.9 |
| Net Profit (VNDb) | 1,047 | 849 | 840 | 931 | 1,057 |
| Core EPS (VND) | 2,191 | 1,777 | 1,758 | 1,948 | 2,212 |
| Core EPS Growth | 4.0% | (18.9%) | (1.1%) | 10.8% | 13.6% |
| FD Core P/E (x) | 5.75 | 7.09 | 7.17 | 6.47 | 5.70 |
| DPS (VND) | 1,064 | 830 | 700 | 700 | 700 |
| Dividend Yield | 8.45% | 6.59% | 5.56% | 5.56% | 5.56% |
| EV/EBITDA (x) | (5.50) | (11.00) | (7.50) | (5.49) | (4.21) |
| P/FCFE (x) | 5.96 | 5.75 | NA | NA | NA |
| Net Gearing | (56.1%) | (65.2%) | (60.6%) | (55.6%) | (52.9%) |
| P/BV (x) | 0.51 | 0.50 | 0.52 | 0.60 | 0.64 |
| ROE | 8.9% | 7.1% | 7.1% | 8.6% | 10.8% |
| % Change In Core EPS Estimates | | | (6.72%) | (9.59%) | (7.56%) |
| CGS-CIMB/Consensus EPS (x) | | | 1.13 | 1.16 | 1.00 |

SOURCES: VND RESEARCH, COMPANY REPORTS

Finding momentum in domestic projects

2Q and 1H20 results overview ►

Figure 1: 2Q20 and 1H20 business results overview

| FYE Dec (VNDbn) | 2Q20 | 2Q19 | % yoy | 1H20 | 1H19 | % yoy | vs. FY20 forecast | Comments |
|----------------------------------|--------------|--------------|------------------|--------------|--------------|------------------|-------------------|---|
| Net revenue | 5,518 | 4,826 | 14.3% | 8,759 | 8,921 | -1.8% | 54.4% | |
| Offshore support vessel | 458 | 491 | -6.8% | 979 | 882 | 11.0% | | |
| FSO/FPSO | 1,363 | 429 | 217.5% | 1,912 | 814 | 135.0% | | |
| Seismic survey & ROV | 76 | 297 | -74.4% | 152 | 351 | -56.5% | | |
| Port base | 412 | 349 | 18.0% | 784 | 737 | 6.4% | | |
| Mechanics & construction (M&C) | 2,756 | 2,720 | 1.3% | 4,173 | 5,383 | -22.5% | | |
| Operation and maintenance (O&M) | 299 | 367 | -18.5% | 494 | 481 | 2.6% | | |
| Other services | 155 | 173 | -10.8% | 264 | 273 | -3.2% | | |
| Gross profit | 245 | 376 | -34.8% | 437 | 800 | -45.4% | 44.4% | |
| Offshore support vessel | 26 | 42 | -39.2% | 56 | 84 | -33.7% | | |
| FSO/FPSO | 40 | 45 | -11.0% | 63 | 91 | -30.6% | | |
| Seismic survey & ROV | 13 | 48 | -72.4% | 8 | 35 | -77.2% | | |
| Port base | 49 | 90 | -45.4% | 119 | 174 | -31.8% | | |
| Mechanics & construction (M&C) | 64 | 96 | -33.6% | 125 | 336 | -62.9% | | |
| Operation and maintenance (O&M) | 39 | 33 | 17.4% | 50 | 39 | 27.5% | | |
| Other services | 15 | 23 | -33.3% | 17 | 41 | -58.6% | | |
| Gross profit margin | 4.4% | 7.8% | -3.3% pts | 5.0% | 9.0% | -4.0% pts | | |
| Offshore support vessel | 5.6% | 8.6% | -3.0% pts | 5.7% | 9.6% | -3.9% pts | | |
| FSO/FPSO | 2.9% | 10.4% | -7.5% pts | 3.3% | 11.1% | -7.9% pts | | |
| Seismic survey & ROV | NA | 9.9% | +1.2% pts | 5.2% | 9.9% | -4.7% pts | | |
| Port base | 11.9% | 25.8% | -13.8% pts | 15.1% | 23.6% | -8.5% pts | | |
| Mechanics & construction (M&C) | 2.3% | 3.5% | -1.2% pts | 3.0% | 6.2% | -3.3% pts | | |
| Operation and maintenance (O&M) | 12.9% | 9.0% | +4.0% pts | 10.1% | 8.1% | +2.0% pts | | |
| Other services | 10.0% | 13.4% | -3.4% pts | 6.4% | 15.1% | -8.6% pts | | |
| SG&A expenses | (132) | (307) | -57.1% | (280) | (464) | -35.1% | 40.1% | Due to provision reversal following bad debt collection from PVEP |
| Net financial income (expenses) | 33 | 74 | -55.8% | 109 | 110 | -0.9% | 64.1% | Higher interest income and FX gain |
| Gain/loss from investment in JVs | 129 | 225 | -42.7% | 161 | 404 | -60.2% | 32.1% | Provision expense booked at Rong Doi MV12 JV due to unexpected technical issues |
| Pre-tax profit | 429 | 235 | 83.1% | 606 | 716 | -15.3% | 56.2% | |
| Profit after tax | 292 | 169 | 72.9% | 412 | 554 | -25.5% | 48.1% | |
| Minority interest | 25 | (50) | -150.8% | (35) | 33 | NA | NA | |
| Net profit | 266 | 218 | 22.1% | 378 | 587 | -35.7% | 41.9% | |

SOURCES: VND RESEARCH, COMPANY REPORTS

Update on PVS's current and potential projects ►

According to PVS, the five potential projects that could be added to its backlog in the next few years include: 1) Block B-O Mon, 2) Blue Whale, 3) Nhon Trach 3-4 power plants, 4) LNG terminals, and 5) small projects such as Su Tu Trang Phase 2 development, fuel warehouses, etc. The small-project segment already includes the business cooperation contract (BCC) that PVS signed in early-Aug with PV Gas (GAS VN, Hold, TP: VND70,000) and PVPower (POW VN, Add, TP: VND13,600). According to a company representative, this contract is still at a preliminary stage, and PVS would be mainly involved in providing services and operating the gas-electricity-port supply chain.

In our view, the most likely contract in FY21F would be Block B-O Mon pipeline, the EPC bidding of which would end in Sep 2020. PVS said the quality of the company's work has been proved through the Sao Vang Dai Nguyet project, which would support its bid for the Block B-O Mon project.

Figure 2: PVS's key projects in M&C segment

| Project | Est. contract value* (US\$m) | Est. revenue in FY20F | Expected project span | Status |
|--|------------------------------|-----------------------|-----------------------|--|
| Incorporated | | | | |
| Gallaf Qatar | 320 | 144 | 2019 - 1Q21F | Under development. PVS has successfully transported around 1,000 staff to Qatar for the final stage (T&I, hook-up to existing platform) of the project. |
| Sao Vang Dai Nguyet (SVDN) | 500 | 60 | 2018 - 2021F | Under development. The schedule for first gas remained in 4Q20F. |
| SVDN intrafield and pipeline connecting to Nam Con Son 2 | 96 | 67 | 3Q19 - 2021F | Contract signed in Oct 2019. Should progress in line with the development of SVDN fields. |
| Nam Con Son 2 Phase 2 | 26 | 20 | 3Q19 - 1Q21F | Major EPC contractors selected in 3Q19. PTSC was chosen as the sub-contractor for the c.US\$130m subsea pipeline EPC contract (TechnipFMC as main contractor). We estimate that PVS could record US\$26m of revenue during FY20-21F for this contract. |
| LNG Thi Vai terminal | 78 | 27 | 3Q19 - 4Q22F | EPC contract awarded in Jun 2019. Project started in Oct 2019. PVS has a 39% stake in the project. |
| Su Tu Trang Phase 2 | 250 | - | 2021 - 2023F | First gas of Phase 2A/2B are expected from Dec 2020F/4Q23F. |
| Block B - O Mon pipeline | 1,000 | - | 2021 - 2023F | EPC tender opened in Feb 2020 and extended from Jul to Sep 2020. First gas expected in 2023F. |
| Nam Du - U Minh | 150 | - | 2021 - 2023F | According to Jadestone, the company is under ongoing discussions with the Vietnamese government relating to a gas sales and purchase agreement. Jadestone anticipates completing the gas sales and purchase agreement alongside the eventual field development plan approval. Discussions are progressing, with a view to reaching an agreement later this year. |
| Unincorporated | | | | |
| Block B - O Mon field | 6,700 | - | 2021 - 2023F | FEED contract completed. Tender packages would be opened in line with the progress of downstream gas-fired power plant projects. |
| Blue Whale | NA | - | 2021 - 2024F | FEED contract awarded to Saipem in Feb 2019. In Jul 2020, PVN and EVN said they were working with ExxonMobil to finalise gas sale and electricity agreements. First gas expected in 4Q23F. |
| Lac Da Vang | NA | - | 2021 - 2023F | ODP was approved in Sep 2019. Murphy (the field operator) expected FID to be approved in 2020F but we think this project could be delayed further. |

SOURCES: VND RESEARCH, COMPANY REPORTS

In addition, while there has not been any operating LNG-based power plants in Vietnam to date, our rough calculation results in a total of 25 LNG projects with an estimated capacity of 50GW (almost equal to Vietnam's installed capacity of 55GW as at end-2019) at different stages of development. This calls for the need to build infrastructure for such plants, specifically LNG terminals to import the material, thereby creating huge opportunities for service providers such as PVS. Although we do not incorporate any LNG terminal contracts into PVS's valuation model, except for LNG Thi Vai, we see these contracts as an upside to our valuation.

Forecast revision ➔

Figure 3: Earnings revision

| VNDbn | 2020F | | | 2021F | | | 2022F | | | Comment |
|---|--------|--------|--------|--------|--------|--------|--------|--------|--------|---|
| | Old | New | % Δ | Old | New | % Δ | Old | New | % Δ | |
| Net revenue | 16,105 | 16,243 | 0.9% | 20,438 | 20,451 | 0.1% | 20,971 | 20,985 | 0.1% | |
| Gross profit | 984 | 933 | -5.1% | 1,282 | 1,216 | -5.1% | 1,313 | 1,281 | -2.4% | |
| Selling expenses | (102) | (103) | 0.9% | (130) | (130) | 0.1% | (133) | (133) | 0.1% | |
| G&A expenses | (596) | (520) | -12.8% | (818) | (783) | -4.3% | (839) | (803) | -4.3% | We cut FY20-22F G&A expense from 4.0% of revenue to 3.8% of revenue to reflect the company's efforts to cut costs. In addition, we take into account the provision reversal in 1H20 thanks to bad debt collection. |
| Operating profit | 285 | 310 | 8.6% | 334 | 304 | -9.1% | 341 | 345 | 1.3% | |
| Gain/loss from investment in associates | 501 | 423 | -15.6% | 622 | 550 | -11.5% | 782 | 703 | -10.1% | We lower the forecast for income from affiliates, assuming a US\$20m provision at Rong Doi MV12 JV, which PVS would bear 33% of the burden. In addition, we reduce FPSO Ruby's charter rate from FY21F by 9% on average, as the customer is asking for a lower day rate upon contract renegotiation at end-FY20F. |
| Pre-tax profit | 1,078 | 1,085 | 0.6% | 1,233 | 1,202 | -2.5% | 1,369 | 1,366 | -0.3% | |
| Net profit | 901 | 840 | -6.7% | 1,030 | 931 | -9.6% | 1,144 | 1,057 | -7.6% | |
| EPS (VND) | 1,884 | 1,758 | -6.7% | 2,154 | 1,948 | -9.6% | 2,393 | 2,212 | -7.6% | |

SOURCES: VND RESEARCH

The key changes in our FY20-22F assumptions include provision reversal following PVEP's debt repayment, and increased provisions for the technical

issues at Rong Doi MV12 JV (Modec is the operator and owns 42%, PTSC owns 33%, and Mitsui owns the remaining 25%) in FY20F.

To be specific, in Dec 2019, the FSO MV12, which belongs to Rong Doi MV12 JV, encountered unexpected technical issues regarding its anchoring and subsea systems. The FSO had to stop operations in 1H20, leading to a loss of VND125bn for the JV (vs. VND4bn profit generated in 1H19). By Aug 2020, the FSO has been temporarily repaired to resume oil drilling at Rong Doi field. For the full year, we forecast FSO MV12's total loss at VND162bn, given an estimated total repair expense of US\$15m-20m (fully provisioned for in FY20F).

Reiterate Add at a lower TP of VND15,900 ►

| Figure 4: Cost of equity assumption | | Figure 5: WACC and terminal growth | |
|-------------------------------------|--------------|------------------------------------|--------------|
| Cost of equity | | VNDbn | |
| Risk Free Rate | 4.0% | Equity Value | 9,798 |
| Beta | 1.7 | Debt | 1,356 |
| Risk Premium | 11.0% | Cost of Debt | 3.0% |
| Cost of Equity | 22.7% | Tax Rate | 20.5% |
| | | WACC | 20.2% |
| | | Perpetual Growth Rate | 1.0% |

SOURCE: VND RESEARCH

| Figure 6: Blended target price | | | |
|--------------------------------|---------------------------|------------|----------------------------|
| Method | Implied share price (VND) | Weight (%) | Weighted share price (VND) |
| DCF | 18,381 | 50% | 9,190 |
| FY20-22F target P/E of 6.8x | 13,413 | 50% | 6,707 |
| Blended value | | | 15,897 |
| Target price | | | 15,900 |

SOURCE: VND RESEARCH

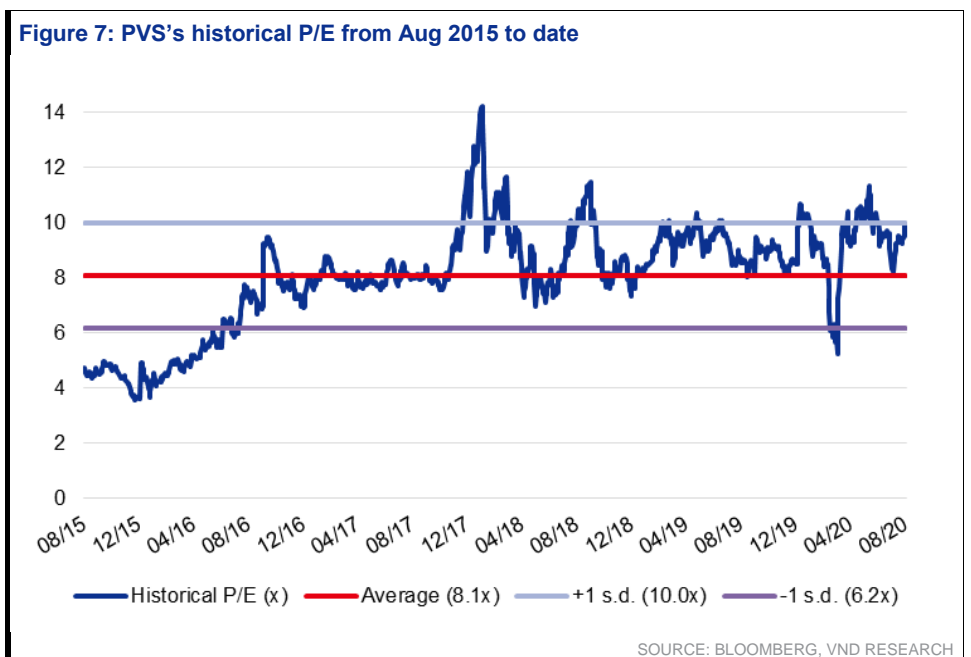
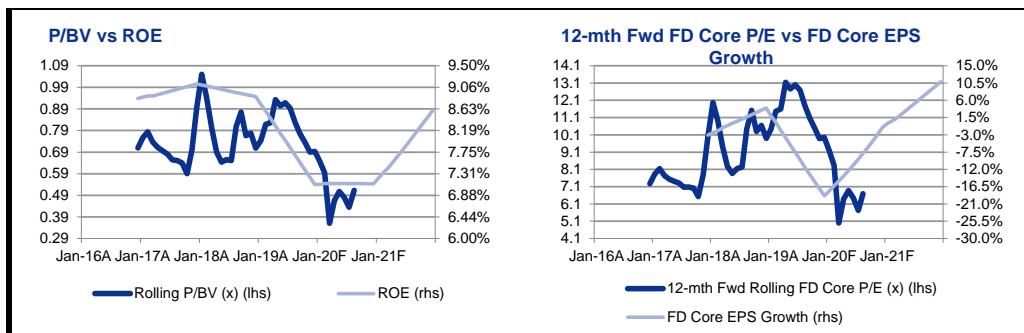


Figure 8: Peer comparison

| Company | Bloomberg Ticker | Recom. | Share Price (local curr) | Target Price (local curr) | Market Cap (US\$ m) | P/E (x) | | | 3-yr fw CAGR EPS (%) | P/BV (x) | | | ROE (%) | | | ROA (%) | | |
|--------------------------------|------------------|------------|--------------------------|---------------------------|---------------------|-------------|-------------|-------------|----------------------|------------|------------|------------|--------------|--------------|-------------|--------------|--------------|-------------|
| | | | | | | TTM | FY20F | FY21F | | TTM | FY20F | FY21F | TTM | FY20F | FY21F | TTM | FY20F | FY21F |
| PV Technical Services | PVS VN | ADD | 12,600 | 15,900 | 262 | 9.7 | 7.3 | 6.6 | 7.6% | 0.5 | 0.5 | 0.6 | 5.0% | 7.2% | 8.6% | 2.3% | 3.4% | 3.8% |
| Malaysia Marine Eng | MMHE MK | NOT RATED | 0.37 | NA | 142 | NA | NA | 37.0 | NA | 0.3 | 0.3 | 0.3 | -17.7% | -3.6% | 1.0% | -12.6% | -2.8% | 0.9% |
| Yinson Holdings | YNS MK | ADD | 6.32 | 6.94 | 1,619 | 33.6 | 33.2 | 15.6 | 35.9% | 1.9 | 2.0 | 1.9 | 5.8% | 2.5% | 8.6% | 2.1% | 2.4% | 4.1% |
| Sembcorp Marine | SMM SP | HOLD | 0.21 | 0.46 | 323 | NA | NA | NA | -59.5% | 0.3 | 0.2 | 0.2 | -6.1% | -13.1% | -4.1% | -1.6% | -3.3% | -1.0% |
| Hyundai Engineering | 000720 KS | HOLD | 32,650 | 45,000 | 3,070 | 10.7 | 7.2 | 6.9 | NA | 0.5 | 0.5 | 0.4 | 5.0% | 6.7% | 6.7% | 1.8% | 2.4% | 2.4% |
| Keppel Corp | KEP SP | ADD | 4.63 | 6.46 | 6,195 | NA | NA | 11.9 | 5.3% | 0.8 | 0.8 | 0.8 | -1.7% | -2.2% | 6.5% | -0.6% | -0.8% | 2.4% |
| Average (all) | | | | | 1,935 | 18.0 | 15.9 | 15.6 | -2.7% | 0.7 | 0.7 | 0.7 | -1.6% | -0.4% | 4.5% | -1.4% | 0.2% | 2.1% |
| Average (excluding PVS) | | | | | 2,270 | 22.1 | 20.2 | 17.8 | -6.1% | 0.8 | 0.7 | 0.7 | -3.0% | -1.9% | 3.7% | -2.2% | -0.4% | 1.8% |

SOURCES: VND RESEARCH, CGS-CIMB RESEARCH, BLOOMBERG (DATA AS AT 31 AUG)

BY THE NUMBERS



Profit & Loss

| (VNDb) | Dec-18A | Dec-19A | Dec-20F | Dec-21F | Dec-22F |
|---|---------------|---------------|---------------|---------------|---------------|
| Total Net Revenues | 14,638 | 16,968 | 16,243 | 20,451 | 20,985 |
| Gross Profit | 1,119 | 898 | 933 | 1,216 | 1,281 |
| Operating EBITDA | 940 | 619 | 788 | 821 | 923 |
| Depreciation And Amortisation | (567) | (478) | (478) | (517) | (578) |
| Operating EBIT | 373 | 140 | 310 | 304 | 345 |
| Financial Income/(Expense) | 440 | 253 | 229 | 192 | 158 |
| Pretax Income/(Loss) from Assoc. | 723 | 581 | 423 | 550 | 703 |
| Non-Operating Income/(Expense) | (559) | 129 | 124 | 156 | 160 |
| Profit Before Tax (pre-EI) | 976 | 1,103 | 1,085 | 1,202 | 1,366 |
| Exceptional Items | | | | | |
| Pre-tax Profit | 976 | 1,103 | 1,085 | 1,202 | 1,366 |
| Taxation | (403) | (295) | (222) | (246) | (280) |
| Exceptional Income - post-tax | | | | | |
| Profit After Tax | 573 | 808 | 863 | 956 | 1,086 |
| Minority Interests | 474 | 41 | (22) | (25) | (28) |
| Preferred Dividends | | | | | |
| FX Gain/(Loss) - post tax | | | | | |
| Other Adjustments - post-tax | | | | | |
| Net Profit | 1,047 | 849 | 840 | 931 | 1,057 |
| Recurring Net Profit | 1,047 | 849 | 840 | 931 | 1,057 |
| Fully Diluted Recurring Net Profit | 1,047 | 849 | 840 | 931 | 1,057 |

Cash Flow

| (VNDb) | Dec-18A | Dec-19A | Dec-20F | Dec-21F | Dec-22F |
|----------------------------------|--------------|----------------|----------------|----------------|----------------|
| EBITDA | 940 | 619 | 788 | 821 | 923 |
| Cash Flow from Inv. & Assoc. | (997) | (855) | (722) | (809) | (926) |
| Change In Working Capital | (710) | 1,367 | (84) | (459) | (102) |
| (Incr)/Decr in Total Provisions | 90 | 154 | 0 | 0 | 0 |
| Other Non-Cash (Income)/Expense | 36 | 485 | 297 | 382 | 443 |
| Other Operating Cashflow | 1,055 | 495 | 688 | 724 | 785 |
| Net Interest (Paid)/Received | (36) | (39) | (41) | (38) | (38) |
| Tax Paid | (187) | (320) | (233) | (258) | (293) |
| Cashflow From Operations | 192 | 1,906 | 692 | 362 | 790 |
| Capex | (355) | (766) | (733) | (923) | (567) |
| Disposals Of FAs/subsidiaries | 2 | 5 | 5 | 5 | 5 |
| Acq. Of Subsidiaries/investments | | | | | |
| Other Investing Cashflow | 1,428 | (545) | (545) | (545) | (545) |
| Cash Flow From Investing | 1,075 | (1,306) | (1,273) | (1,463) | (1,106) |
| Debt Raised/(repaid) | (256) | 448 | (316) | 147 | (154) |
| Proceeds From Issue Of Shares | | | | | |
| Shares Repurchased | | | | | |
| Dividends Paid | (509) | (397) | (335) | (335) | (335) |
| Preferred Dividends | | | | | |
| Other Financing Cashflow | 0 | 0 | 0 | 0 | 0 |
| Cash Flow From Financing | (765) | 52 | (651) | (188) | (489) |
| Total Cash Generated | 502 | 651 | (1,232) | (1,288) | (805) |
| Free Cashflow To Equity | 1,011 | 1,048 | (897) | (954) | (470) |
| Free Cashflow To Firm | 1,303 | 639 | (540) | (1,062) | (278) |

SOURCES: VND RESEARCH, COMPANY REPORTS

BY THE NUMBERS... cont'd

Balance Sheet

| (VNDb) | Dec-18A | Dec-19A | Dec-20F | Dec-21F | Dec-22F |
|--------------------------------------|---------------|---------------|---------------|---------------|---------------|
| Total Cash And Equivalents | 8,037 | 9,692 | 8,460 | 7,171 | 6,366 |
| Total Debtors | 5,006 | 4,627 | 4,611 | 5,805 | 5,957 |
| Inventories | 494 | 1,269 | 795 | 999 | 1,024 |
| Total Other Current Assets | 591 | 396 | 379 | 477 | 490 |
| Total Current Assets | 14,129 | 15,984 | 14,245 | 14,453 | 13,837 |
| Fixed Assets | 2,634 | 3,177 | 3,432 | 3,838 | 3,827 |
| Total Investments | 4,937 | 5,372 | 5,256 | 5,269 | 5,271 |
| Intangible Assets | 0 | 0 | 0 | 0 | 0 |
| Total Other Non-Current Assets | 1,390 | 1,471 | 1,471 | 1,471 | 1,471 |
| Total Non-current Assets | 8,961 | 10,020 | 10,159 | 10,579 | 10,569 |
| Short-term Debt | 721 | 771 | 337 | 417 | 324 |
| Current Portion of Long-Term Debt | | | | | |
| Total Creditors | 3,277 | 4,356 | 3,768 | 4,787 | 4,872 |
| Other Current Liabilities | 2,827 | 3,867 | 3,702 | 4,661 | 4,783 |
| Total Current Liabilities | 6,825 | 8,995 | 7,807 | 9,866 | 9,978 |
| Total Long-term Debt | 193 | 584 | 702 | 769 | 708 |
| Hybrid Debt - Debt Component | | | | | |
| Total Other Non-Current Liabilities | 3,366 | 3,641 | 3,641 | 3,641 | 3,641 |
| Total Non-current Liabilities | 3,559 | 4,225 | 4,343 | 4,409 | 4,349 |
| Total Provisions | 0 | 0 | 0 | 0 | 0 |
| Total Liabilities | 10,384 | 13,220 | 12,150 | 14,275 | 14,327 |
| Shareholders' Equity | 11,872 | 12,070 | 11,563 | 10,090 | 9,440 |
| Minority Interests | 833 | 714 | 692 | 667 | 639 |
| Total Equity | 12,705 | 12,784 | 12,254 | 10,757 | 10,079 |

Key Ratios

| | Dec-18A | Dec-19A | Dec-20F | Dec-21F | Dec-22F |
|---------------------------|---------|---------|---------|---------|---------|
| Revenue Growth | (13.5%) | 15.9% | (4.3%) | 25.9% | 2.6% |
| Operating EBITDA Growth | (3.0%) | (34.2%) | 27.4% | 4.1% | 12.5% |
| Operating EBITDA Margin | 6.42% | 3.65% | 4.85% | 4.01% | 4.40% |
| Net Cash Per Share (VND) | 14,903 | 17,441 | 15,525 | 12,522 | 11,161 |
| BVPS (VND) | 24,839 | 25,253 | 24,191 | 21,110 | 19,751 |
| Gross Interest Cover | 13.91 | 4.15 | 8.70 | 9.17 | 10.45 |
| Effective Tax Rate | 41.3% | 26.7% | 20.5% | 20.5% | 20.5% |
| Net Dividend Payout Ratio | 48.6% | 46.7% | 39.8% | 35.9% | 31.6% |
| Accounts Receivables Days | 132.1 | 103.6 | 104.1 | 93.0 | 102.3 |
| Inventory Days | 12.96 | 20.02 | 24.68 | 17.03 | 18.74 |
| Accounts Payables Days | 84.69 | 81.93 | 89.63 | 74.62 | 82.23 |
| ROIC (%) | 6.27% | 2.80% | 9.12% | 7.55% | 8.78% |
| ROCE (%) | 6.30% | 3.32% | 4.45% | 4.45% | 4.93% |
| Return On Average Assets | 0.92% | 2.47% | 2.70% | 3.24% | 3.88% |

Key Drivers

| | Dec-18A | Dec-19A | Dec-20F | Dec-21F | Dec-22F |
|--|---------|---------|---------|---------|---------|
| Outstanding Orderbook (VNDb) | 13,070 | 16,991 | 42,072 | 31,871 | 20,305 |
| Order Book Wins (VNDb) | N/A | N/A | N/A | N/A | N/A |
| Order Book Depletion (VNDb) | N/A | N/A | N/A | N/A | N/A |
| Average Day Rate Per Ship (US\$) | N/A | N/A | N/A | N/A | N/A |
| No. Of Ships (unit) | N/A | N/A | N/A | N/A | N/A |
| Average Utilisation Rate (%) | N/A | N/A | N/A | N/A | N/A |
| Oil Price (US\$/bbl) | 71.1 | 64.2 | 45.0 | 55.0 | 57.0 |
| Energy Production Volume (mmboe) | N/A | N/A | N/A | N/A | N/A |
| Average Day Rate - Drilling Rigs (US\$) | N/A | N/A | N/A | N/A | N/A |
| Average Util. Rate - Drilling Rigs (%) | N/A | N/A | N/A | N/A | N/A |
| Average Day Rate - FPU's (US\$) | N/A | N/A | N/A | N/A | N/A |
| Average Util. Rate - FPU's (%) | N/A | N/A | N/A | N/A | N/A |
| Total Oil Storage Capacity (000 cbm) | N/A | N/A | N/A | N/A | N/A |
| Equity Share Of Oil Storage Capacity (000 cbm) | N/A | N/A | N/A | N/A | N/A |
| Assumed Util. Rate Of Oil Storage Capacity (%) | N/A | N/A | N/A | N/A | N/A |

SOURCES: VND RESEARCH, COMPANY REPORTS

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| | | | | | |
|---------------------|-----------|-----------|---------|-------------|------------------|
| Score Range: | 90 - 100 | 80 – 89 | 70 - 79 | Below 70 or | No Survey Result |
| Description: | Excellent | Very Good | Good | N/A | |

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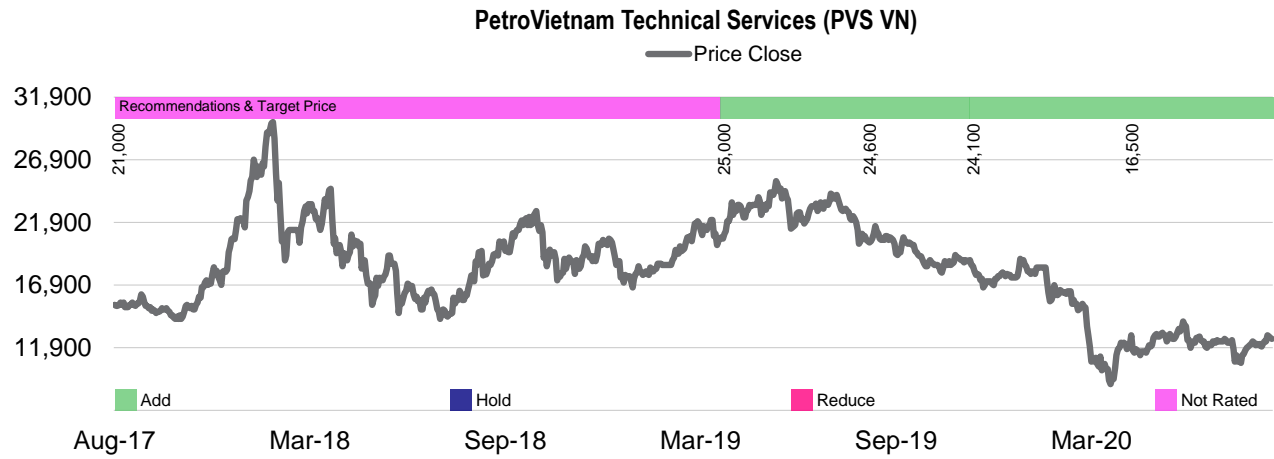
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| Distribution of stock ratings and investment banking clients for quarter ended on 30 June 2020 | | |
|--|-------------------------|--------------------------------|
| 800 companies under coverage for quarter ended on 30 June 2020 | | |
| | Rating Distribution (%) | Investment Banking clients (%) |
| Add | 60.1% | 0.4% |
| Hold | 25.9% | 0.1% |
| Reduce | 14.0% | 0.3% |

Spitzer Chart for stock being researched (2 year data)



Corporate Governance Report of Thai Listed Companies (CGR). CG Rating by the Thai Institute of Directors Association (Thai IOD) in 2019, Anti-Corruption 2019

ADVANC – Excellent, Certified, **AEONTS** – Good, n/a, **AH** – Very Good, n/a, **AMATA** – Excellent, Declared, **ANAN** – Excellent, Declared, **AOT** – Excellent, n/a, **AP** – Excellent, Certified, **ASP** – Very Good, Certified, **BAM** – not available, n/a, **BANPU** – Excellent, Certified, **BAY** – Excellent, Certified, **BBL** – Very Good, Certified, **BCH** – Good, Certified, **BPC** – Excellent, Certified, **BCPG** – Excellent, Certified, **BDMS** – Very Good, n/a, **BEAUTY** – Good, n/a, **BEC** – Very Good, n/a, **BGRIM** – Very Good, Declared, **BH** - Good, n/a, **BJC** – Very Good, n/a, **BJCHI** – Very Good, Certified, **BLA** – Very Good, Certified, **BPP** – Very Good, Declared, **BR** - Good, n/a, **BTS** - Excellent, Certified, **CBG** – Very Good, n/a, **CCET** – Good, n/a, **CENDEL** – Very Good, Certified, **CHAYO** - Good, n/a, **CHG** – Very Good, Declared, **CK** – Excellent, n/a, **COL** – Excellent, Declared, **CPALL** – Excellent, Certified, **CPF** – Excellent, Certified, **CPN** - Excellent, Certified, **CPNREIT** – not available, n/a, **CRC** – not available, n/a, **DELTA** - Excellent, Declared, **DEMCO** – Excellent, Certified, **DDD** – Very Good, n/a, **DIF** – not available, n/a, **DREIT** – not available, n/a, **DTAC** – Excellent, Certified, **EA** – Excellent, n/a, **ECL** – Very Good, Certified, **EGCO** - Excellent, Certified, **EPG** – Very Good, n/a, **ERW** – Very Good, n/a, **GFPT** - Excellent, Certified, **GGC** – Excellent, Certified, **GLOBAL** – Very Good, n/a, **GLOW** – Very Good, Certified, **GPSC** – Excellent, Certified, **GULF** – Very Good, n/a, **GUNKUL** – Excellent, Certified, **HANA** - Excellent, Certified, **HMPRO** - Excellent, Certified, **HUMAN** – Good, n/a, **ICHI** – Excellent, Declared, **III** – Excellent, n/a, **INTUCH** - Excellent, Certified, **IRPC** – Excellent, Certified, **ITD** – Very Good, n/a, **IVL** - Excellent, Certified, **JASIF** – not available, n/a, **BJC** – Very Good, n/a, **JMT** – Very Good, n/a, **KBANK** - Excellent, Certified, **KCE** – Excellent, Certified, **KKP** – Excellent, Certified, **KSL** – Excellent, Certified, **KTB** - Excellent, Certified, **KTC** – Excellent, Certified, **LH** - Excellent, n/a, **LPN** – Excellent, Certified, **M** – Very Good, Certified, **MACO** – Very Good, n/a, **MAJOR** – Very Good, n/a, **MAKRO** – Excellent, Certified, **MALEE** – Excellent, Certified, **MC** – Excellent, Certified, **MCOT** – Excellent, Certified, **MEGA** – Very Good, n/a, **MINT** - Excellent, Certified, **MK** – Very Good, n/a, **MTC** – Excellent, n/a, **NETBAY** – Very Good, n/a, **OSP** – Very Good, n/a, **PLANB** – Excellent, Certified, **PLAT** – Very Good, Certified, **PR9** – Excellent, n/a, **PSH** – Excellent, Certified, **PSTC** – Very Good, Certified, **PTT** - Excellent, Certified, **PTTEP** - Excellent, Certified, **PTTGC** - Excellent, Certified, **QH** – Excellent, Certified, **RATCH** – Excellent, Certified, **ROBINS** – Excellent, Certified, **RS** – Excellent, n/a, **RSP** – not available, n/a, **S** – Excellent, n/a, **SAPPE** – Very Good, Declared, **SAT** – Excellent, Certified, **SAWAD** – Very Good, n/a, **SC** – Excellent, Certified, **SCB** - Excellent, Certified, **SCC** – Excellent, Certified, **SCN** – Excellent, Certified, **SF** – Good, n/a, **SHR** – not available, n/a, **SIRI** – Very Good, Certified, **SPA** - Good, n/a, **SPALI** - Excellent, n/a, **SPRC** – Excellent, Certified, **STA** – Very Good, Certified, **STEC** – Excellent, n/a, **SVI** – Excellent, Certified, **SYNEX** – Excellent, Certified, **TASCO** – Excellent, Certified, **TCAP** – Excellent, Certified, **THANI** – Excellent, Certified, **TIPCO** – Very Good, Certified, **TISCO** - Excellent, Certified, **TKN** – Very Good, n/a, **TMB** - Excellent, Certified, **TNR** – Very Good, Certified, **TOP** - Excellent, Certified, **TPCH** – Good, n/a, **TPIPP** – Good, n/a, **TRUE** – Excellent, Certified, **TU** – Excellent, Certified, **TVO** – Excellent, Declared, **UNIQ** – not available, n/a, **VGI** – Excellent, Certified, **WHA** – Excellent, Certified, **WHART** – not available, n/a, **WICE** – Excellent, Certified, **WORK** – Good, n/a.

1 CG Score 2019 from Thai Institute of Directors Association (IOD)

2 AGM Level 2018 from Thai Investors Association

3 Companies participating in Thailand's Private Sector Collective Action Coalition Against Corruption programme (Thai CAC) under Thai Institute of Directors (as of November 30, 2018) are categorised into:

companies that have declared their intention to join CAC, and companies certified by CAC.

4 The Stock Exchange of Thailand : the record of listed companies with corporate sustainable development "Thai sustainability Investment 2018" included:

SET and mai listed companies passed the assessment conducted by the Stock Exchange of Thailand: THSI (SET) and THSI (mai)

SET listed companies passed the assessment conducted by the Dow Jones Sustainability Indices (DJSI) .

RECOMMENDATION FRAMEWORK

Stock Ratings

Definition:

| | |
|--------|---|
| Add | The stock's total return is expected to reach 15% or higher over the next 12 months. |
| Hold | The stock's total return is expected to be between negative 10% and positive 15% over the next 12 months. |
| Reduce | The stock's total return is expected to fall below negative 10% over the next 12 months. |

The total expected return of a stock is defined as the sum of the:(i) percentage difference between the target price and the current price and (ii) the forward net dividend yields of the stock. Stock price targets have an investment horizon of 12 months.

Sector Ratings

Definition:

| | |
|-------------|--|
| Overweight | An Overweight rating means stocks in the sector have, on a market cap-weighted basis, a positive absolute recommendation. |
| Neutral | A Neutral rating means stocks in the sector have, on a market cap-weighted basis, a neutral absolute recommendation. |
| Underweight | An Underweight rating means stocks in the sector have, on a market cap-weighted basis, a negative absolute recommendation. |

Country Ratings

Definition:

| | |
|-------------|--|
| Overweight | An Overweight rating means investors should be positioned with an above-market weight in this country relative to benchmark. |
| Neutral | A Neutral rating means investors should be positioned with a neutral weight in this country relative to benchmark. |
| Underweight | An Underweight rating means investors should be positioned with a below-market weight in this country relative to benchmark. |

Hien Tran Khanh – Deputy Head of Research

Email: hien.trankhanh@vndirect.com.vn

Mai PHAM – Senior Analyst

Email: mai.phamle@vndirect.com.vn

VNDIRECT Securities Corporation

1 Nguyen Thuong Hien Str – Hai Ba Trung Dist – Ha Noi | Tel: +84 2439724568

Email: research@vndirect.com.vn | Website: <https://vndirect.com.vn>