

September, 2019

**PV DRILLING & WELL SERVICES CORP (HSX: PVD)**
**Keep improving**

| (VND bn)    | 2Q-FY19 | 1Q-FY19 | +/- qoq | 2Q-FY18 | +/- yoy |
|-------------|---------|---------|---------|---------|---------|
| Net revenue | 1,004   | 910     | 10.3%   | 1,620   | -38.0%  |
| PAT         | 109     | -87     | N/A     | -68     | N/A     |
| EBIT        | 40      | -70     | N/A     | -72     | N/A     |
| EBIT margin | 4.0%    | N/A     | N/A     | N/A     | N/A     |

Source: PVD, Rong Viet Securities

**2Q 2019 results – Positive gross profit from drilling services**

- In 1Q2019, the drilling activities was affected due to the two month “warm stacked” mode from PVD II. However, the working days improvement of PVD II helped revenue rise to VND494 bn (+5.9% QoQ and +26.7% YoY) while the gross profit of the drilling segment turned positive to VND54 bn from a loss VND33bn in the first quarter and a loss of VND96 bn in 2Q2018.
- In 2Q2019, PVD recorded VND29 bn from JVs and VND60 bn from other associates while the company continued to book provision of VND25bn from PVEP.
- Overall, revenue decreased by 38% to VND1,004 bn. The gross margin strongly improved from 3.1% to 15.2% which helped triple the gross profit to VND152 bn. As a result, the attributable net profit came at VND109 bn, compared to a loss of VND68 bn in the same period last year.

**FY2019 outlook – Jack Up (JU) day rate on the way up**

The JU rig day rate is up, especially since June. 2019 average day rate for PVD is likely to increase by 10% YoY. Because of the extension of depreciation time in PVD II, III, VI that began in 2018 and full year jobs, we believe that the drilling segment will be better than last year and may reach the break even point from 2020.

In the well services segment, there will be a fall in revenue due to a longer than expected time for operations in foreign market. However, profits will be posted but should be lower than 2018 number.

For 2019, we project that revenue and net profit for the parent company will come in at VND 4,321 bn (-21.5% YoY) and a loss of VND 24 bn, respectively. But we are quite sure that PVD will use the Science and Technology Development Fund - around VND238bn, to keep the 2019 bottom line positive.

**Valuation and recommendation**

Long term contracts, including potential ones in Brunei for PVD V in 2020, will secure jobs for the drilling rigs. Profitability may not be as expected especially for PVD V while the Jack Up rigs are expected to reach the break even point next year. In our opinion, we think that PVD is getting over the most difficult time and improving its results.

Based on the P/B method, we come up with a **ACUMMULATE** recommendation on PVD with the target price of **VND21,060** per share, equivalent to a total return of **16%**, as of the closing price in **September 23<sup>rd</sup>, 2019**.

**ACUMMULATE +16%**

|                            |        |
|----------------------------|--------|
| Target price (VND)         | 21,060 |
| Current market price (VND) | 18,100 |

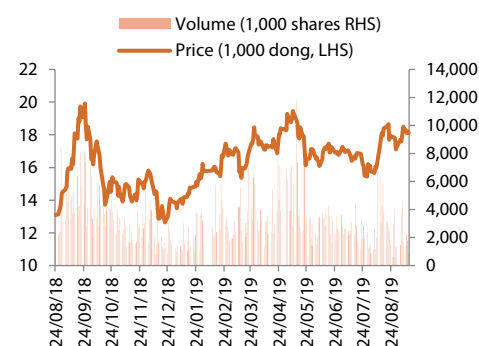
Cash dividend (VND)\* 0

\* Expected in the next 12 months

**Stock Info**

|                                    |           |
|------------------------------------|-----------|
| Sector                             | Oil&Gas   |
| Market Cap (VND billion)           | 5,589     |
| Current Shares O/S                 | 421.1     |
| Avg. Daily Volume (in 20 sessions) | 2,726,890 |
| Free float (%)                     | 49.4      |
| 52 weeks High                      | 19,909    |
| 52 weeks Low                       | 12,636    |
| Beta                               | 1.77      |

|                         | FY2018 | Current |
|-------------------------|--------|---------|
| EPS                     | 396    | 1,233   |
| EPS Growth (%)          | 435.1  | N/A     |
| Diluted EPS             | 396    | 1,233   |
| P/E                     | 36.9   | 14.7    |
| P/B                     | 0.4    | 0.6     |
| EV/EBITDA               | 8.9    | 11.8    |
| Cash dividend yield (%) | 0      | 0       |
| ROE (%)                 | 0.9    | 3.8     |

**Price performance**

**Major Shareholders (%)**

|     |      |
|-----|------|
| PVN | 51.4 |
|-----|------|

|                            |       |
|----------------------------|-------|
| Foreign ownership room (%) | 26.36 |
|----------------------------|-------|

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**Exhibit 1: 2Q2019 Results**

| Particulars (VND B)     | 2Q-FY19 | 1Q-FY18 | +/(QoQ) | 2Q-FY19 | +/(YoY) | YTD-FY19 | +/(YoY)  |
|-------------------------|---------|---------|---------|---------|---------|----------|----------|
| Net revenue             | 1,004   | 910     | 10.4%   | 1,620   | -38.0%  | 1,914    | -29.8%   |
| Gross profit            | 152     | 51      | 198.2%  | 50      | 205.5%  | 203      | 3.751.2% |
| SG&A                    | 112     | 121     | -7.2%   | 122     | -7.9%   | 233      | -20.6%   |
| Operating income        | 40      | -70     | N/A     | -72     | N/A     | -30      | N/A      |
| EBITDA                  | 187     | 76      | 145.2%  | 146     | 28.0%   | 264      | 116.5%   |
| EBIT                    | 40      | -70     | N/A     | -72     | N/A     | -30      | N/A      |
| Financial expenses      | 75      | 51      | 48.5%   | 64      | 18.0%   | 126      | -1.5%    |
| - Interest Expenses     | 41      | 42      | -3.3%   | 42      | -4.0%   | 83       | -3.9%    |
| Dep. and amortization   | 147     | 146     | 0.7%    | 218     | -32.5%  | 294      | -28.4%   |
| Non-recurring items (*) |         |         |         |         |         |          |          |
| Extraordinary items (*) |         |         |         |         |         |          |          |
| PBT                     | 111     | -85     | N/A     | -78     | N/A     | 26       | N/A      |
| PAT                     | 109     | -87     | N/A     | -68     | N/A     | 22       | N/A      |
| (*) Adjusted PAT        | 109     | -87     | N/A     | -68     | N/A     | 22       |          |

Source: PVD, Rong Viet Securities

**Exhibit 2: 2Q2019 Performance Analysis**

| Particulars                     | 2Q-FY19 | 1Q-FY19 | +/(qoq)  | 2Q-FY18 | +/(yoy)  |
|---------------------------------|---------|---------|----------|---------|----------|
| <b>Profitability Ratios (%)</b> |         |         |          |         |          |
| Gross Margin                    | 15.2    | 5.6     | 955bps   | 3.1     | 1,209bps |
| EBITDA Margin                   | 18.7    | 8.4     | 1,026bps | 9.0     | 963bps   |
| EBIT Margin                     | 4.0     | N/A     | N/A      | N/A     | N/A      |
| Net Margin                      | 10.8    | N/A     | N/A      | N/A     | N/A      |
| Adjusted Net Margin             | 10.8    | N/A     | N/A      | N/A     | N/A      |
| <b>Turnover *(x)</b>            |         |         |          |         |          |
| -Inventories                    | 4.7     | 4.7     | 0.0      | 8.4     | -3.7     |
| -Receivables                    | 2.8     | 2.4     | 0.4      | 3.5     | -0.7     |
| -Payables                       | 2.3     | 2.0     | 0.3      | 3.1     | -0.7     |
| <b>Leverage (%)</b>             |         |         |          |         |          |
| Total Debt/ Equity              | 17.8    | 17.7    | 7bps     | 24.0    | -625bps  |

Source: Rong Viet Securities

**Exhibit 3: 2H2019 Performance Forecast**

| Particulars (VND Bn) | 3Q-FY19 | +/- qoq | +/- yoy |
|----------------------|---------|---------|---------|
| Revenue              | 1,090   | 8.6%    | -18.2%  |
| Gross profit         | 134     | -11.9%  | 77.5%   |
| EBIT                 | -9      | N/A     | N/A     |
| NPAT                 | -17     | N/A     | N/A     |

Source: PVD, Rong Viet Securities

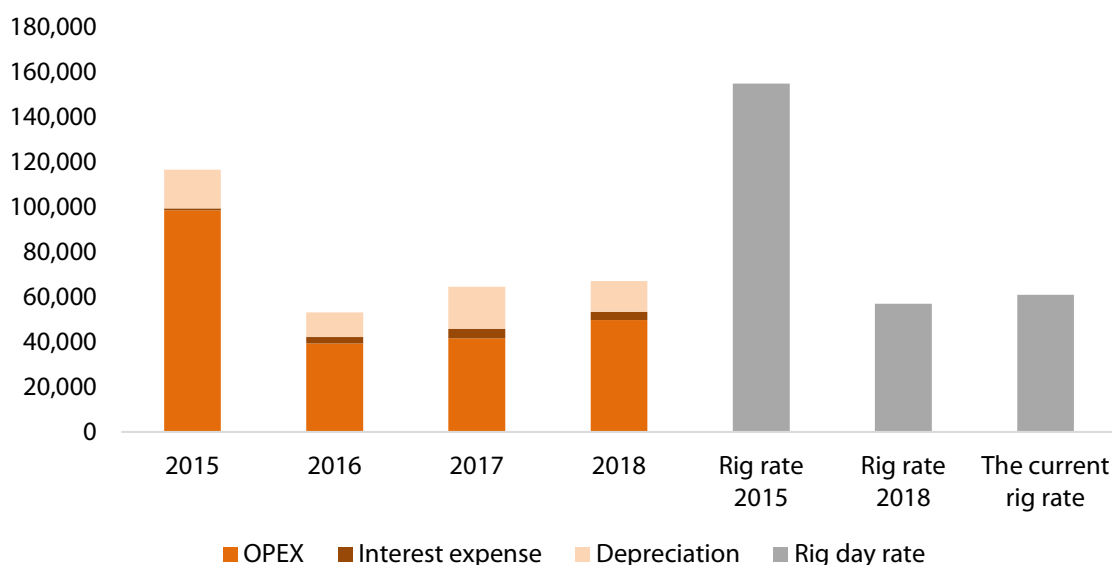
## Update

### Jack Up rig day rates rose in July.

From October 2018, the utilization rate of JU rig in SEA region (South East Asia) has been staying above 60% and now is fluctuating around 65%, showing a stable demand for JU rigs in the region. This is seen as a positive point for drilling companies as the stable demand is supporting the rig day rate, which is at USD 65,000 per day, 18% higher than the 2018 average.

For PVD, most of its Jack Up rigs are now operating in foreign markets under long term contracts. So the day rate is fixed and competitive. As a result, the 2019 average day rate of PVD is estimated at USD 59,000, lower than the current level in the SEA region. With the belief of improvement in Jack Up rig demand, we think that PVD would enjoy a better rate in 2020 as some contracts are renewed. The core business can post profit with the Jack Up rig's break-even point of USD 62,000 per day.

**Figure 1: Jack Up rig expenses (Unit: USD/day)**



Source: Rong Viet Securities

In term of jobs, we expect that the Jack Up fleet will continue to receive a stable workload thanks to (1) E&P (Exploration&Production), activity is bright and (2) PVD's Jack Up rigs have seen competitiveness improve after applying new a depreciation method – [see this](#). Since 2017, PVD has been busy with full time job for its various fleets.

However, we are concerned about the drilling rig oversupply in the region, which has held the utilization rate at around 65% despite the increase in the oil price from late 2015. Currently, there are 74 Jack Up rigs in SEA (including 14 rigs under-construction). There are 37 rigs in working mode, 16 rigs in warm stacked mode and the rest in cold stacked mode. If the E&P activities slow down, there will be more competition and would put pressure on the rig day rate. But we think that the probability is quite low thanks to the positive oil price forecast.

**Table 1: Jack Up contracts in 2019**

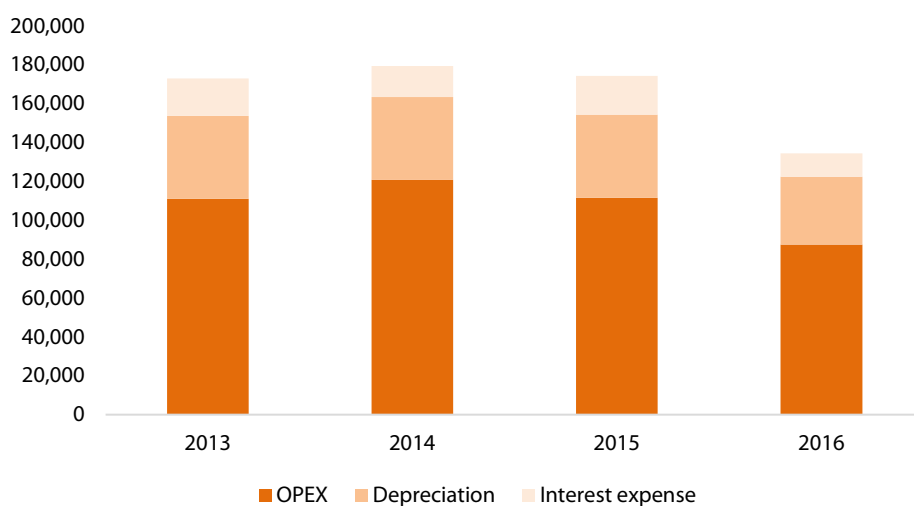
| Rig        | Contract                                                                                                              | Operating day |
|------------|-----------------------------------------------------------------------------------------------------------------------|---------------|
| PVD I      | + VSP: 1/1/2019 to 25/2/2019<br>+ Murphy oil: 4/3/2019 to 30/4/2019<br>+ Hibiscus (Malaysia): 24/5/2019 to 31/12/2019 | 336 days      |
| PVD II     | + Sapura (Malaysia): 7/3/2019 to 21/7/2019<br>+ JVPC: 4/8/2019 to 27/10/2019<br>+ Petronas: 10/11/2019 to 31/12/2019  | 274 days      |
| PVD III    | + Repsol: 1/1/2019 to 31/3/2020                                                                                       | 350 days      |
| PVD VI     | + VSP: 1/1/2019 to 12/4/2019<br>+ ENI: 1/5/2019 to 24/7/2019<br>+ Sapura (Malaysia): 7/8/2019 to 3/2020               | 334 days      |
| PVD 11     | + Only operating in 3Q2019                                                                                            | 27 days       |
| Hired Rigs | + Idenmitsu: Rent Hakyryu 11 from JDC in 4Q2019<br>for Sao Vang Dai Nguyet Project                                    | 92 days       |

Source: PVD

### PVD V is likely to win a long-term contract in Brunei next year.

The company is expecting to deliver PVD V to Brunei, basing on a 6 year - contract and a 4-year expansion (option). PVD can operate for 10 years, starting from 2020. In terms of profit, whether PVD V can post profit or not, will depend on the management as the preliminary day rate is around USD 80,000 – USD 90,000, lower than the break-even point of the rigs in 2013-2016.

Regarding to cash flow, the long-term contract for PVD V will generate the cash flow to pay its debt and maintenance costs. Hence cash flow improvement is the main positive if PVD V secures the job.

**Figure 2: The break-even point of PVD V in 2013-2016 (Unit: USD/day)**


Source: Rong Viet Securities

**PVEP receivables**

Until now, PVD has booked provision 94% of PVEP's receivables. In the worst-case scenario, the remainder will be booked in the last 6 months, equivalent to VND15 bn. However, the BOD expects that the company could eventually collect VND100 bn. PVD can revert VND85 bn in 2H2019 or VND 12 bn for all 2019.

**Forecast and valuation**

In 2019, PVD is forecast to post loss from the core business. However, the provision reversal, a better profit from JVs as well as other profit helps PBT post only a loss of VND74 bn in 2019, lower than the loss of VND101 bn last year (excluding the provision reversal from PVEP's receivables and Science and Technology Development Fund).

In term of valuation, we apply the P/B method with the book value of VND32,401 in 2Q2019 and P/B ratio of 0.65x, we arrive at a target price of VND21,060 per share.

**Comparison between PVD's fleets with other peers**
**Table 2: PVD I comparison**

| Rig            | Rig manager                 | Depth (m) | Operation year | Mode         | Value (USD mn) |
|----------------|-----------------------------|-----------|----------------|--------------|----------------|
| AI – Khor      | Gulf Drilling International | 300       | 2006           | Drilling     | 54-63          |
| AI – Zubarah   | Gulf Drilling International | 300       | 2008           | Drilling     | 62-73          |
| ArabDrill 30   | Arabian Drilling            | 300       | 2006           | Warm Stacked | 52-61          |
| PV Drilling I  | PV Drilling                 | 300       | 2007           | Drilling     | 58-68          |
| <b>Average</b> |                             |           |                |              | <b>56-66</b>   |

**Table 3: PVD II and III comparison**

| Rig               | Rig manager        | Depth (m) | Operation year | Mode         | Value (USD mn) |
|-------------------|--------------------|-----------|----------------|--------------|----------------|
| COSLBoss          | COSL               | 400       | 2008           | Drilling     | 67-77          |
| COSLStrike        | COSL               | 400       | 2009           | Drilling     | 74-85          |
| Petro Godovanates | Chernomornteftegaz | 400       | 2010           | Warm Stacked | 73-84          |
| PV Drilling II    | PV Drilling        | 400       | 2009           | Drilling     | 70-80          |
| PV Drilling III   | PV Drilling        | 400       | 2009           | Drilling     | 74-85          |
| West Ariel        | Seadrill           | 400       | 2008           | Warm Stacked | 67-77          |
| West Callisto     | Seadrill           | 400       | 2010           | Drilling     | 76-87          |
| <b>Average</b>    |                    |           |                |              | <b>71-82</b>   |

**Table 4: PVD VI comparison**

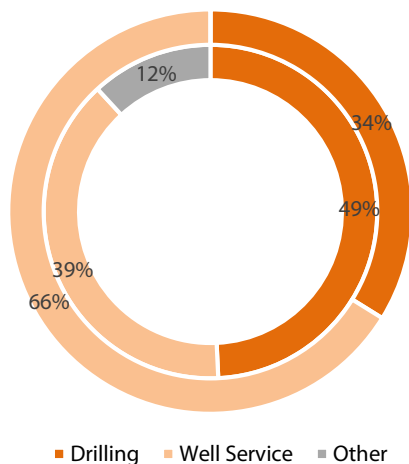
| Rig            | Rig manager      | Depth (m) | Operation year | Mode     | Value (USD mn) |
|----------------|------------------|-----------|----------------|----------|----------------|
| ArabDrill 70   | Arabian Drilling | 400       | 2015           | Drilling | 98-109         |
| Cantarell I    | Grupo R          | 400       | 2016           | Drilling | 102-113        |
| Cantarell II   | Grupo R          | 400       | 2016           | Drilling | 102-113        |
| Kukulcan       | PEMEX            | 400       | 2015           | Drilling | 98-109         |
| Naga 5         | Velesto Energy   | 400       | 2014           | Drilling | 97-107         |
| Naga 8         | Velesto Energy   | 400       | 2015           | Drilling | 101-112        |
| PV Drilling VI | PV Drilling      | 400       | 2015           | Drilling | 98-108         |
| Uxpanapa       | Marinsa          | 400       | 2016           | Drilling | 99-110         |
| <b>Average</b> |                  |           |                |          | <b>99-110</b>  |

**Table 5: PVD V comparison**

| Rig            | Rig manager   | Depth (m) | Operation year | Mode         | Value (USD mn) |
|----------------|---------------|-----------|----------------|--------------|----------------|
| Lone Star      | Constellation | 7.880     | 2010           | Warm Stacked | 89-100         |
| Norbe VI       | Ocyan         | 7.874     | 2010           | Warm Stacked | 90-102         |
| ODN Delba III  | Ocyan         | 7.874     | 2011           | Warm Stacked | 91-103         |
| SS Amazonia    | ICBC          | 7.874     | 2011           | Cold Stacked | 98-108         |
| SS Pantanal    | ICBC          | 7.874     | 2010           | Cold Stacked | 97-107         |
| West Eclipse   | Seadrill      | 7.500     | 2011           | Cold Stacked | 98-108         |
| <b>Average</b> |               |           |                |              | <b>94-104</b>  |

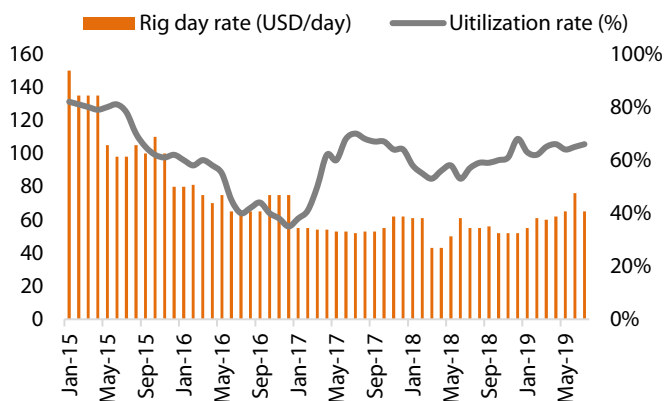
Source: Rong Viet securities

**Figure 1: Revenue (inner) and gross profit (outer) proportion in 2Q2019**



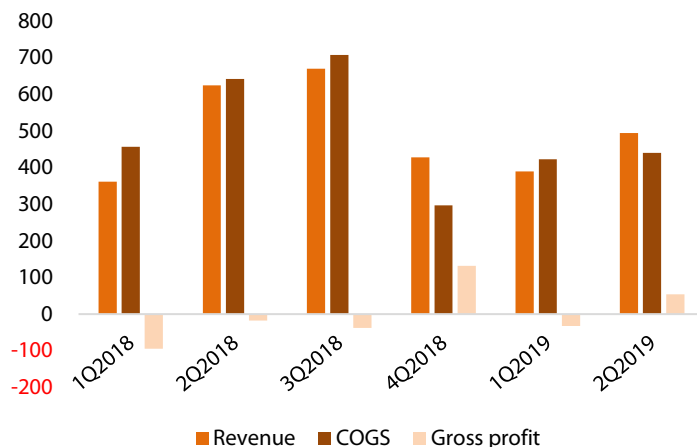
Source: PVD

**Figure 3: Jack Up day rate (LHS) and utilization rate (RHS)**



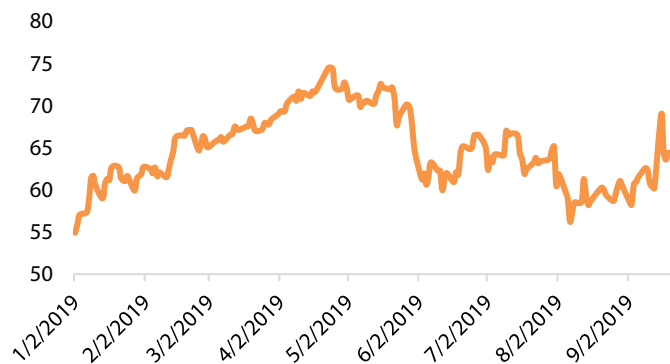
Source: Rong Viet Securities complied

**Figure 2: Drilling Segment Results (Unit: VND bn)**



Source: PVD

**Figure 4: YTD Brent price (Unit: USD/barrel)**



Source: Bloomberg

|                         | VND Billion   |               |                |                |
|-------------------------|---------------|---------------|----------------|----------------|
| <b>INCOME STATEMENT</b> | <b>FY2017</b> | <b>FY2018</b> | <b>FY2019F</b> | <b>FY2020F</b> |
| Revenue                 | 3,902         | 5,503         | 4,321          | 6,565          |
| COGS                    | 3,720         | 5,108         | 3,979          | 6,065          |
| <b>Gross profit</b>     | <b>182</b>    | <b>395</b>    | <b>342</b>     | <b>500</b>     |
| Selling expense         | 19            | 13            | 16             | 24             |
| G&A expense             | 567           | 295           | 403            | 398            |
| Financial income        | 187           | 190           | 114            | 154            |
| Financial expense       | 268           | 257           | 239            | 249            |
| Other income/loss       | 623           | 140           | 60             | 10             |
| Gain/(loss) from JV     | 7             | 0             | 80             | 40             |
| <b>PBT</b>              | <b>146</b>    | <b>161</b>    | <b>-62</b>     | <b>33</b>      |
| Tax expense             | 134           | 61            | 0              | 7              |
| Minority interests      | -14           | -24           | -24            | -10            |
| <b>PAT</b>              | <b>26</b>     | <b>124</b>    | <b>-38</b>     | <b>36</b>      |
| EBIT                    | -403          | 87            | -76            | 77             |
| EBITDA                  | 385           | 696           | 582            | 1,142          |

%

| <b>FINANCIAL RATIO</b>       | <b>FY2017</b> | <b>FY2018</b> | <b>FY2019F</b> | <b>FY2020F</b> |
|------------------------------|---------------|---------------|----------------|----------------|
| <b>Growth (%)</b>            |               |               |                |                |
| Revenue                      | -27.2         | 41.0          | -21.5          | 51.9           |
| Operating Income             | -56.6         | 80.6          | N/A            | N/A            |
| EBITDA                       | -350.1        | -121.6        | N/A            | N/A            |
| PAT                          | -79.8         | 374.9         | N/A            | N/A            |
| Total Assets                 | -5.8          | -3.6          | 3.1            | -0.2           |
| Equity                       | -0.1          | 3.0           | 2.3            | 0.3            |
| <b>Profitability (%)</b>     |               |               |                |                |
| Gross margin                 | 4.7           | 7.2           | 7.9            | 7.6            |
| EBITDA margin                | 9.9           | 12.6          | 13.5           | 17.4           |
| EBIT margin                  | N/A           | 1.6           | N/A            | 1.2            |
| Net margin                   | 0.7           | 2.3           | N/A            | 0.6            |
| ROA                          | 0.1           | 0.6           | N/A            | 0.2            |
| ROE                          | 0.2           | 0.9           | N/A            | 0.3            |
| <b>Efficiency (x)</b>        |               |               |                |                |
| Receivable Turnover          | 2.5           | 3.4           | 2.8            | 3.7            |
| Inventory Turnover           | 5.0           | 6.8           | 5.2            | 7.3            |
| Payable Turnover             | 1.5           | 2.2           | 1.4            | 2.2            |
| <b>Liquidity (x)</b>         |               |               |                |                |
| Current                      | 1.7           | 2.1           | 2.2            | 2.5            |
| Quick                        | 1.5           | 1.9           | 2.0            | 2.2            |
| <b>Finance Structure (%)</b> |               |               |                |                |
| Total Debt/Equity            | 35.4          | 28.3          | 26.4           | 26.0           |
| Current Debt/Equity          | 10.2          | 2.7           | 2.0            | 2.6            |
| Long-term Debt/Equity        | 25.2          | 25.6          | 24.4           | 23.3           |

|                                     | VND Billion   |               |                |                |
|-------------------------------------|---------------|---------------|----------------|----------------|
| <b>BALANCE SHEET</b>                | <b>FY2017</b> | <b>FY2018</b> | <b>FY2019F</b> | <b>FY2020F</b> |
| Cash and cash equivalents           | 1,803         | 2,267         | 3,477          | 3,955          |
| Short term investment               | 2,148         | 1,010         | 1,010          | 1,010          |
| Accounts receivable                 | 1,555         | 1,613         | 1,539          | 1,799          |
| Inventories                         | 747           | 755           | 763            | 831            |
| Other current assets                | 35            | 26            | 28             | 29             |
| Tangible fixed assets               | 14,685        | 14,355        | 13,855         | 12,998         |
| Intangible fixed assets             | 173           | 171           | 164            | 157            |
| Long term investment                | 560           | 681           | 681            | 681            |
| Other non-current assets            | 89            | 124           | 130            | 136            |
| <b>Total asset</b>                  | <b>21,796</b> | <b>21,002</b> | <b>21,647</b>  | <b>21,595</b>  |
| Account payable                     | 2,431         | 2,288         | 2,786          | 2,729          |
| Short term borrowings               | 1,343         | 362           | 284            | 364            |
| Long term borrowings                | 3,330         | 3,477         | 3,386          | 3,250          |
| Other non-current liabilities       | 664           | 664           | 697            | 732            |
| Bonus and welfare fund              | 120           | 127           | 127            | 127            |
| Technology -science dev fund        | 459           | 244           | 244            | 244            |
| <b>Total liabilities</b>            | <b>8,346</b>  | <b>7,162</b>  | <b>7,523</b>   | <b>7,445</b>   |
| Common stock and APIC               | 6,267         | 6,267         | 6,650          | 6,650          |
| Treasury stock                      | -21           | -21           | -21            | -21            |
| Retained earnings                   | 3,926         | 4,066         | 3,990          | 4,025          |
| Other comprehensive income / (loss) | 1,449         | 1,683         | 1,683          | 1,683          |
| Investment and development fund     | 1,569         | 1,589         | 1,589          | 1,589          |
| <b>Total equity</b>                 | <b>13,189</b> | <b>13,583</b> | <b>13,890</b>  | <b>13,926</b>  |
| Minority interest                   | 261           | 258           | 234            | 224            |
| <b>Total resources</b>              | <b>21,796</b> | <b>21,002</b> | <b>21,647</b>  | <b>21,595</b>  |

| <b>VALUATION RATIO (*)</b> | <b>FY2017</b> | <b>FY2018</b> | <b>FY2019F</b> | <b>FY2020F</b> |
|----------------------------|---------------|---------------|----------------|----------------|
| EPS (dong)                 | 74            | 396           | N/A            | 85             |
| P/E (x)                    | 315.5         | 36.9          | N/A            | 213.3          |
| BV (dong)                  | 34,413        | 35,440        | 32,947         | 33,032         |
| P/B (x)                    | 0.7           | 0.4           | 0.5            | 0.5            |
| DPS (dong/cp)              | 0.0           | 0.0           | 0.0            | 0.0            |
| Dividend yield (%)         | 0.0           | 0.0           | 0.0            | 0.0            |

| <b>VALUATION MODEL</b>    | <b>Price</b> | <b>Weight</b> | <b>Average</b> |
|---------------------------|--------------|---------------|----------------|
| P/B                       | 21,060       | 100%          | 21,060         |
| <b>Target price (VND)</b> |              |               | <b>21,060</b>  |

| <b>VALUATION HISTORY</b> | <b>Price</b> | <b>Recommendation*</b> |
|--------------------------|--------------|------------------------|
| 06/10/2017               | 13,980*      | ACUMMULATE             |

\* Adjusted price



**RESULT UPDATE**

This report is created for the purpose of providing investors with an insight into the discussed company that may assist them in the decision-making process. The report comprises analyses and projections that are based on the most up-to-date information with the objective that is to determine the reasonable value of the stock at the time such analyses are performed. Through this report, we strive to convey the complete assessment and opinions of the analyst relevant to the discussed company. To send us feedbacks and/or receive more information, investors may contact the assigned analyst or our client support department.

**RATING GUIDANCE**

| Ratings                                              | BUY  | ACCUMULATE | REDUCE      | SELL  |
|------------------------------------------------------|------|------------|-------------|-------|
| Total Return including Dividends in 12-month horizon | >20% | 5% to 20%  | -20% to -5% | <-20% |

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