

# Bilibili (BILI US)

# **3Q23** preview: Loss reduction remains on track

We expect Bilibili's (Bili) 3Q23 results to be in line with market expectation, with total revenue growth flat YoY at RMB5.8bn and adjusted net loss narrowing by 57% YoY to RMB757mn. Bili's ad business continues to deliver solid revenue growth and gain market share in 2H23, supported by the strong growth of ecommerce ads solutions and the improvement of algorithms. The company's loss reduction remains on track, driven by its effective cost control initiatives. However, the suspension of *Pretty Derby* downloads shall impact its mobile games revenue growth in 4Q23E. As a result, we trim FY23-25 total revenue forecasts by 1-2%. We lower our SOTP-derived TP to US\$24.0 (previous: US\$25.5), translating into 3.2/2.9x FY23/24E PS. Maintain BUY.

- Expect solid growth of ads and VAS businesses. We forecast advertising revenue to increase by 25% YoY to RMB1.7bn in 3Q23E (29% of total revenue), and we expect Bili to continue to outpace the overall ad market revenue growth in 4Q23E. Bili launched several initiatives to drive growth of e-commerce ads: 1) In Sept, it unveiled the Superstar Project (超新星计划), offering traffic and cash incentives to nurture live streaming e-commerce hosts; 2) during this year's Double 11, Bili will introduce a "Shopping" tab via cooperation with major e-commerce platforms, further enhancing the e-commerce experience and conversion rate on its platforms. For VAS, we forecast its revenue to increase by 16% YoY to RMB2.6bn in 3Q23E (45% of total revenue), driven by the resilient growth of live streaming revenue despite tightening regulations.
- Mobile games business under pressure in 2H23E. Bili's mobile games business remains under pressure in 2H23, due to a lack of new games and download suspension of *Pretty Derby*. We estimate mobile game revenue to decline by 35% YoY to RMB962mn (16.7% of total revenue) in 3Q23E. In 2H23, the company further optimized its self-developed game business and put more focus on game genres like anime games and female-oriented games. We expect the optimization to drive better efficiency and ROI of its mobile game development, but the reacceleration of mobile game revenue growth may take more time than we previously expected.
- Margin improvement remains on track. We expect Bili's overall GPM to improve by 6.0ppt YoY and 1.1ppt QoQ to 24.2% in 3Q23E, driven by its effective cost control initiatives. We forecast opex to total revenue ratio to decline from 50% in 3Q22 to 43% in 3Q23E mainly on stringent S&M expenses control. Overall, we forecast adjusted net loss margin to improve by 17.3ppt YoY and 5.0ppt QoQ to -13.1% in 3Q23E. Our SOTP-derived target price consists of US\$8.1/0.3 for VAS/IP derivatives business on 2.5/0.4x 2023E PS, and US\$10.6/4.9 for ads/games business on 20x/18x 2023E PE. Maintain BUY.

### **Earnings Summary**

| (YE 31 Dec)                    | FY21A        | FY22A     | FY23E     | FY24E     | FY25E   |
|--------------------------------|--------------|-----------|-----------|-----------|---------|
| Revenue (RMB mn)               | 19,384       | 21,899    | 22,525    | 24,890    | 27,119  |
| YoY growth (%)                 | 61.5         | 13.0      | 2.9       | 10.5      | 9.0     |
| Gross margin (%)               | 20.9         | 17.6      | 24.2      | 28.6      | 31.2    |
| Operating profit (RMB mn)      | (6,429)      | (8,358)   | (4,579)   | (2,584)   | (1,245) |
| Adjusted net profit (RMB mn)   | (5,478.1)    | (6,691.7) | (3,389.9) | (1,258.0) | 355.5   |
| EPS (Reported) (RMB cents)     | (1,442.4)    | (1,700.4) | (819.9)   | (304.3)   | 86.0    |
| Consensus EPS (RMB cents)      | (1,442.4)    | (1,700.4) | (856.1)   | (255.9)   | 240.0   |
| P/S (x)                        | 2.0          | 1.8       | 1.7       | 1.6       | 1.4     |
| Source: Company data, Bloomber | g, CMBIGM es | timates   |           |           |         |

### **BUY (Maintain)**

 Target Price
 U\$\$24.00

 (Previous TP
 U\$\$25.50)

 Up/Downside
 86.5%

 Current Price
 U\$\$12.87

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#### Stock Data

| Mkt Cap (US\$ mn)        | 5,321.1    |
|--------------------------|------------|
| Avg 3 mths t/o (US\$ mn) | 37.0       |
| 52w High/Low (US\$)      | 29.20/8.92 |
| Total Issued Shares (mn) | 413.4      |

Source: FactSet

# Shareholding StructureRui Chen13.7%Tencent9.3%

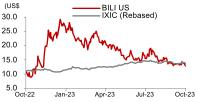
Source: Company data

### **Share Performance**

|       | Absolute | Relative |
|-------|----------|----------|
| 1-mth | -5.4%    | -2.8%    |
| 3-mth | -18.3%   | -11.9%   |
| 6-mth | -38.6%   | -43.9%   |

Source: FactSet

### 12-mth Price Performance



Source: FactSet



# **Business forecast updates and valuation**

Figure 1: Bili: forecast revision

| Current             |         |         | Previous |         |         | Change (%) |          |          |          |
|---------------------|---------|---------|----------|---------|---------|------------|----------|----------|----------|
| RMB mn              | FY23E   | FY24E   | FY25E    | FY23E   | FY24E   | FY25E      | FY23E    | FY24E    | FY25E    |
| Revenue             | 22,525  | 24,890  | 27,119   | 22,894  | 25,419  | 27,678     | -1.6%    | -2.1%    | -2.0%    |
| Gross profit        | 5,445   | 7,123   | 8,464    | 5,632   | 7,397   | 8,764      | -3.3%    | -3.7%    | -3.4%    |
| Operating profit    | (4,579) | (2,584) | (1,245)  | (4,555) | (2,770) | (1,339)    | na       | na       | na       |
| Adjusted net profit | (3,390) | (1,258) | 356      | (3,350) | (1,418) | 302        | na       | na       | na       |
| Adjusted EPS (RMB)  | (8.2)   | (3.0)   | 0.9      | (8.1)   | (3.4)   | 0.7        | na       | na       | na       |
| Gross margin        | 24.2%   | 28.6%   | 31.2%    | 24.6%   | 29.1%   | 31.7%      | -0.4 ppt | -0.5 ppt | -0.5 ppt |
| Operating margin    | -20.3%  | -10.4%  | -4.6%    | -19.9%  | -10.9%  | -4.8%      | -0.4 ppt | 0.5 ppt  | 0.2 ppt  |
| Adjusted net margin | -15.0%  | -5.1%   | 1.3%     | -14.6%  | -5.6%   | 1.1%       | -0.4 ppt | 0.5 ppt  | 0.2 ppt  |

Source: CMBIGM estimates

Figure 2: CMBIGM estimates vs consensus

|                     |         | CMBIGM  |         | (       | Consensus |        |          | Diff (%) |          |
|---------------------|---------|---------|---------|---------|-----------|--------|----------|----------|----------|
| RMB mn              | FY23E   | FY24E   | FY25E   | FY23E   | FY24E     | FY25E  | FY23E    | FY24E    | FY25E    |
| Revenue             | 22,525  | 24,890  | 27,119  | 24,279  | 28,211    | 31,860 | -7.2%    | -11.8%   | -14.9%   |
| Gross profit        | 5,445   | 7,123   | 8,464   | 5,921   | 8,042     | 9,987  | -8.0%    | -11.4%   | -15.3%   |
| Operating profit    | (4,579) | (2,584) | (1,245) | (4,306) | (1,712)   | 177    | na       | na       | na       |
| Adjusted net profit | (3,390) | (1,258) | 356     | (3,338) | (1,224)   | 926    | na       | na       | na       |
| Adjusted EPS (RMB)  | (8.2)   | (3.0)   | 0.9     | (8.6)   | (2.6)     | 2.4    | na       | na       | na       |
| Gross margin        | 24.2%   | 28.6%   | 31.2%   | 24.4%   | 28.5%     | 31.3%  | -0.2 ppt | 0.1 ppt  | -0.1 ppt |
| Operating margin    | -20.3%  | -10.4%  | -4.6%   | -17.7%  | -6.1%     | 0.6%   | -2.6 ppt | -4.3 ppt | -5.1 ppt |
| Adjusted net margin | -15.0%  | -5.1%   | 1.3%    | -13.7%  | -4.3%     | 2.9%   | -1.3 ppt | -0.7 ppt | -1.6 ppt |

Source: Bloomberg, CMBIGM estimates

Figure 3: Bili: key financial forecasts

| (RMB mn)                     | 2022    | 2023E   | 2024E   | 2025E  | 3Q23E  |
|------------------------------|---------|---------|---------|--------|--------|
| Mobile games                 | 5,021   | 4,122   | 4,482   | 4,669  | 961    |
| yoy%                         | -1.4%   | -17.9%  | 8.7%    | 4.2%   | -34.7% |
| VAS                          | 8,715   | 9,797   | 10,797  | 11,844 | 2,570  |
| yoy%                         | 25.7%   | 12.4%   | 10.2%   | 9.7%   | 16.3%  |
| Advertising                  | 5,066   | 6,428   | 7,560   | 8,605  | 1,697  |
| yoy%                         | 12.0%   | 26.9%   | 17.6%   | 13.8%  | 25.2%  |
| E-commerce and others        | 3,096   | 2,178   | 2,051   | 2,000  | 539    |
| yoy%                         | 9.2%    | -29.7%  | -5.8%   | -2.5%  | -28.9% |
| Total revenue                | 21,899  | 22,525  | 24,890  | 27,119 | 5,766  |
| yoy%                         | 13.0%   | 2.9%    | 10.5%   | 9.0%   | -0.5%  |
| Gross profit margin (%)      | 17.6%   | 24.2%   | 28.6%   | 31.2%  | 24.2%  |
| S&M expense ratio (%)        | 22.5%   | 17.0%   | 15.0%   | 14.0%  | 17.0%  |
| R&D expense ratio (%)        | 21.8%   | 18.0%   | 15.5%   | 14.0%  | 17.0%  |
| Adjusted net loss margin (%) | -30.6%  | -15.0%  | -5.1%   | 1.3%   | -13.1% |
| Adjusted net loss            | (6,692) | (3,390) | (1,258) | 356    | (757)  |

Source: Company data, CMBIGM estimates



### **SOTP Valuation**

Based on the SOTP valuation, our target price for Bili is US\$24.0 per ADS, which implies 3.2/2.9x 2023E/2024E PS. Our target price of US\$24.0 includes:

- 1) US\$10.6 for the advertising business (44.4% of the total valuation), based on a 20x 2023E PE. The target PE multiple is at a premium to the average PE of the mature advertising platforms (16x 2023E PE), to reflect Bili's unique value proposition in the video advertising market and its strong growth outlook.
- 2) US\$8.1 for the VAS business (33.9% of the total valuation), based on a 2.5x 2023E PS. The target PS multiple is at a premium to the average PS of other video platforms (2.1x 2023E PS), mainly due to its growing user base and improving monetization efficiency.
- 3) US\$4.9 for mobile games (20.5% of the total valuation), based on an 18x 2023E PE. The target PE multiple is at a discount to the industry average (20x 2023E PE), as Bili has yet to establish a successful track record in in-house games development.
- 4) US\$0.3 for IP derivatives and others (1.2% of the total valuation, previously disclosed as e-commerce and others), based on a 0.4x 2023E PS. The target PS multiple is on par with the average PS of the other e-commerce platforms.

Figure 4: Bili: SOTP Valuation

| (RMBmn)                           | 2023E MAU | Revenue<br>per MAU | 2023E<br>revenue | Net margin<br>(%) | Target PS<br>(x) | Target PE<br>(x) | Target valuation | As of total valuation |
|-----------------------------------|-----------|--------------------|------------------|-------------------|------------------|------------------|------------------|-----------------------|
| VAS (Live streaming + Membership) | 330.2     | 29.7               | 9,797            |                   | 2.5              |                  | 24,493           | 33.9%                 |
| Advertising                       | 330.2     | 19.5               | 6,428            | 25%               |                  | 20               | 32,139           | 44.4%                 |
| Mobile games                      | 33.0      | 124.8              | 4,122            | 20%               |                  | 18               | 14,838           | 20.5%                 |
| IP derivatives and others*        | 16.5      | 131.9              | 2,178            |                   | 0.4              |                  | 871              | 1.2%                  |
| Total valuation (RMBmn)           |           |                    |                  |                   |                  |                  | 72,342           |                       |
| Number of ADS (mn)                |           |                    |                  |                   |                  |                  | 413              |                       |
| Valuation per ADS (US\$)          |           |                    |                  |                   |                  |                  | 24.0             |                       |

Source: Company data, CMBIGM estimates

Note: IP derivatives and others previously disclosed as e-commerce and others

Figure 5: Peer comparison: online games and advertising sector

|                      |           | Price   | EPS gr | owth (YoY % | )     |       | PE (x) |       |
|----------------------|-----------|---------|--------|-------------|-------|-------|--------|-------|
| Companies            | Ticker    | (Local) | FY23E  | FY24E       | FY25E | FY23E | FY24E  | FY25E |
| Online games         |           |         |        |             |       |       |        |       |
| NetEase              | NTES US   | 104.1   | 22     | 3           | (9)   | 17    | 16     | 18    |
| Activision Blizzard  | ATVI US   | 94.4    | 39     | 2           | 9     | 22    | 22     | 20    |
| Electronic Arts      | EA US     | 130.3   | (14)   | 13          | 11    | 22    | 19     | 17    |
| Take Two Interactive | TTWO US   | 142.5   | (27)   | (11)        | 149   | 39    | 45     | 18    |
| NetDragon            | 777 HK    | 14.1    | (39)   | 21          | 14    | 8     | 7      | 6     |
| Nexon                | 3659 JP   | 2,520.0 | 7      | 7           | 10    | 19    | 17     | 16    |
| Nintendo             | 7974 JP   | 6,092.0 | (9)    | 8           | (18)  | 18    | 17     | 21    |
| Bandai Namco         | 7832 JP   | 3,111.0 | 18     | 6           | 11    | 22    | 21     | 19    |
| Perfect World        | 002624 CH | 12.5    | (19)   | 33          | 16    | 19    | 14     | 12    |
| 37 Interactive       | 002555 CH | 20.6    | 11     | 15          | 13    | 14    | 12     | 11    |
| Average PE           |           |         |        |             |       | 20    | 19     | 16    |
| Online advertising   |           |         |        |             |       |       |        |       |
| Weibo                | WB US     | 12.0    | 3      | 12          | 7     | 6     | 5      | 5     |
| Baidu                | BIDU US   | 114.7   | 23     | 6           | 10    | 12    | 12     | 10    |
| Meta                 | Meta US   | 317.0   | 28     | 24          | 15    | 23    | 18     | 16    |
| Google               | GOOG US   | 139.3   | 10     | 24          | 22    | 25    | 20     | 16    |
| Average PE           |           |         |        |             |       | 16    | 14     | 12    |

Source: Bloomberg, CMBIGM Note: data as at 18 Oct market close



Figure 6: Peer comparison: online video and first-party e-commerce

|                        |           | Price   | Revenue | growth (YoY | %)    | PS (x) |       |       |
|------------------------|-----------|---------|---------|-------------|-------|--------|-------|-------|
| Companies              | Ticker    | (Local) | FY23E   | FY24E       | FY25E | FY23E  | FY24E | FY25E |
| Online video           |           |         |         |             |       |        |       |       |
| iQiyi                  | IQ US     | 4.6     | 4.1     | 7.0         | 6.7   | 1.0    | 0.9   | 0.9   |
| Mango Excellent Media  | 300413 CH | 26.3    | 3.0     | 13.3        | 10.6  | 3.2    | 2.8   | 2.5   |
| Average PS             |           |         |         |             |       | 2.1    | 1.9   | 1.7   |
| First-party e-commerce |           |         |         |             |       |        |       |       |
| JD                     | JD US     | 25.9    | na      | (2.3)       | 8.0   | 7.8    | 0.3   | 0.3   |
| Vipshop                | VIPS US   | 15.1    | na      | 1.6         | 5.5   | 4.8    | 0.5   | 0.5   |
| Average PS             |           |         |         |             |       | 0.4    | 0.4   | 0.4   |

Source: Bloomberg, CMBIGM Note: data as of 18 Oct market close



# **Financial Summary**

| INCOME STATEMENT                  | 2020A   | 2021A    | 2022A    | 2023E    | 2024E    | 2025E    |
|-----------------------------------|---------|----------|----------|----------|----------|----------|
| YE 31 Dec (RMB mn)                |         |          |          |          |          |          |
| Revenue                           | 11,999  | 19,384   | 21,899   | 22,525   | 24,890   | 27,119   |
| Cost of goods sold                | 9,159   | 15,341   | 18,050   | 17,080   | 17,768   | 18,655   |
| Gross profit                      | 2,840   | 4,043    | 3,849    | 5,445    | 7,123    | 8,464    |
| Operating expenses                | 5,981   | 10,472   | 12,207   | 10,024   | 9,707    | 9,709    |
| Selling expense                   | 3,492   | 5,795    | 4,921    | 3,829    | 3,734    | 3,797    |
| Admin expense                     | 976     | 1,838    | 2,521    | 2,140    | 2,116    | 2,115    |
| R&D expense                       | 1,513   | 2,840    | 4,765    | 4,055    | 3,858    | 3,797    |
| Operating profit                  | (3,141) | (6,429)  | (8,358)  | (4,579)  | (2,584)  | (1,245)  |
| Investment gain/loss              | 28      | (194)    | (532)    | (55)     | (54)     | (56)     |
| Other gains/(losses)              | 137     | (5)      | 1,457    | 329      | 0        | 0        |
| EBIT                              | (2,975) | (6,628)  | (7,434)  | (4,304)  | (2,639)  | (1,301)  |
| Interest income                   | 83      | 70       | 281      | 389      | 553      | 596      |
| Interest expense                  | (109)   | (155)    | (251)    | (168)    | (356)    | (416)    |
| Pre-tax profit                    | (3,001) | (6,713)  | (7,404)  | (4,083)  | (2,442)  | (1,120)  |
| Income tax                        | 53      | 95       | 104      | 82       | 49       | (168)    |
| After tax profit                  | (3,054) | (6,809)  | (7,508)  | (4,165)  | (2,491)  | (952)    |
| Minority interest                 | 47      | 20       | 11       | 83       | 50       | 19       |
| Others                            | (4)     | 0        | 0        | 0        | 0        | 0        |
| Net profit                        | (3,012) | (6,789)  | (7,497)  | (4,082)  | (2,441)  | (933)    |
| Adjusted net profit               | (2,560) | (5,478)  | (6,692)  | (3,390)  | (1,258)  | 356      |
| BALANCE SHEET                     | 2020A   | 2021A    | 2022A    | 2023E    | 2024E    | 2025E    |
|                                   | 2020A   | 2021A    | 2022A    | 2023E    | 2024E    | 2023E    |
| YE 31 Dec (RMB mn)                | .=      |          |          |          |          |          |
| Current assets                    | 15,740  | 36,447   | 24,453   | 33,953   | 36,477   | 37,744   |
| Cash & equivalents                | 4,678   | 7,523    | 10,187   | 16,347   | 17,876   | 18,192   |
| Account receivables               | 1,218   | 1,382    | 1,329    | 2,438    | 2,694    | 2,935    |
| Prepayment                        | 1,766   | 4,848    | 3,545    | 5,634    | 6,226    | 6,783    |
| ST bank deposits                  | 4,720   | 7,632    | 4,768    | 4,911    | 5,058    | 5,210    |
| Other current assets              | 3,357   | 15,061   | 4,623    | 4,623    | 4,623    | 4,623    |
| Non-current assets                | 8,126   | 15,606   | 17,378   | 17,005   | 17,275   | 17,452   |
| PP&E                              | 762     | 1,350    | 1,227    | 1,428    | 1,592    | 1,733    |
| Investment in JVs & assos         | 2,233   | 5,503    | 5,651    | 5,709    | 5,654    | 5,598    |
| Intangibles                       | 2,357   | 3,836    | 4,327    | 4,439    | 4,475    | 4,426    |
| Goodwill Other per surrent seests | 1,296   | 2,338    | 2,725    | 2,725    | 2,725    | 2,725    |
| Other non-current assets          | 1,478   | 2,580    | 3,448    | 2,704    | 2,828    | 2,970    |
| Total assets                      | 23,866  | 52,053   | 41,831   | 50,958   | 53,752   | 55,196   |
| Current liabilities               | 7,392   | 12,071   | 17,093   | 20,270   | 21,253   | 22,276   |
| Short-term borrowings             | 100     | 1,232    | 6,621    | 6,621    | 6,621    | 6,621    |
| Account payables                  | 3,074   | 4,361    | 4,292    | 5,849    | 6,085    | 6,389    |
| Tax payable                       | 100     | 1,232    | 6,621    | 6,621    | 6,621    | 6,621    |
| Other current liabilities         | 2,880   | 2,613    | (2,084)  | (1,882)  | (1,456)  | (1,039)  |
| Accrued expenses                  | 1,238   | 2,633    | 1,643    | 3,060    | 3,382    | 3,684    |
| Non-current liabilities           | 8,692   | 18,266   | 9,498    | 18,443   | 21,512   | 21,577   |
| Long-term borrowings              | 8,341   | 17,784   | 8,683    | 17,784   | 20,784   | 20,784   |
| Other non-current liabilities     | 351     | 482      | 814      | 659      | 728      | 793      |
| Total liabilities                 | 16,083  | 30,337   | 26,591   | 38,713   | 42,765   | 43,853   |
| Share capital                     | 0       | 0        | 0        | 0        | 0        | 0        |
| Capital surplus                   | 14,616  | 35,930   | 35,930   | 35,930   | 35,930   | 35,930   |
| Retained earnings                 | (7,175) | (13,971) | (20,437) | (23,515) | (24,823) | (24,486) |
| Other reserves                    | 159     | (255)    | (255)    | (255)    | (255)    | (255)    |
| Total shareholders equity         | 7,600   | 21,704   | 15,238   | 12,160   | 10,852   | 11,188   |
| Minority interest                 | 182     | 12       | 2        | 85       | 135      | 154      |
| Total equity and liabilities      | 23,866  | 52,053   | 41,831   | 50,958   | 53,752   | 55,196   |



| CASH FLOW                                | 2020A   | 2021A    | 2022A   | 2023E   | 2024E   | 2025E   |
|--|---------|----------|---------|---------|---------|---------|
| YE 31 Dec (RMB mn)                       | _0_0/1  |          |         |         |         | _0_0    |
| Operating                                |         |          |         |         |         |         |
| Profit before taxation                   | (3,001) | (6,713)  | (7,404) | (4,083) | (2,442) | (1,120) |
| Depreciation & amortization              | 327     | 539      | 755     | 462     | 532     | 589     |
| Tax paid                                 | 53      | 95       | 104     | 82      | 49      | (168)   |
| Change in working capital                | 1,487   | (9)      | (1,246) | (21)    | 135     | 225     |
| Others                                   | 1,887   | 3,442    | 3,878   | 3,588   | 4,172   | 4,912   |
| Net cash from operations                 | 753     | (2,647)  | (3,911) | 27      | 2,446   | 4,438   |
| Investing                                |         |          |         |         |         |         |
| Capital expenditure                      | (2,239) | (3,687)  | (2,738) | (3,472) | (3,646) | (3,828) |
| Acquisition of subsidiaries/ investments | (1,757) | (7,238)  | (2,646) | (113)   | 0       | 0       |
| Others                                   | (4,911) | (13,652) | 15,994  | 600     | (272)   | (293)   |
| Net cash from investing                  | (8,907) | (24,578) | 10,609  | (2,984) | (3,918) | (4,121) |
| Financing                                |         |          |         |         |         |         |
| Net borrowings                           | 5,695   | 11,203   | 251     | 9,101   | 3,000   | 0       |
| Proceeds from share issues               | 2,817   | 19,288   | 0       | 0       | 0       | 0       |
| Others                                   | (177)   | (103)    | (4,606) | 0       | 0       | 0       |
| Net cash from financing                  | 8,335   | 30,389   | (4,355) | 9,101   | 3,000   | 0       |
| Net change in cash                       |         |          |         |         |         |         |
| Cash at the beginning of the year        | 4,963   | 4,678    | 7,523   | 10,187  | 16,347  | 17,876  |
| Exchange difference                      | (466)   | (319)    | 321     | 17      | 0       | 0       |
| Cash at the end of the year              | 4,678   | 7,523    | 10,187  | 16,347  | 17,876  | 18,192  |
| GROWTH                                   | 2020A   | 2021A    | 2022A   | 2023E   | 2024E   | 2025E   |
| YE 31 Dec                                |         |          |         |         |         |         |
| Revenue                                  | 77.0%   | 61.5%    | 13.0%   | 2.9%    | 10.5%   | 9.0%    |
| Gross profit                             | 138.6%  | 42.4%    | (4.8%)  | 41.4%   | 30.8%   | 18.8%   |
| PROFITABILITY                            | 2020A   | 2021A    | 2022A   | 2023E   | 2024E   | 2025E   |
| YE 31 Dec                                |         |          |         |         |         |         |
| Gross profit margin                      | 23.7%   | 20.9%    | 17.6%   | 24.2%   | 28.6%   | 31.2%   |
| Operating margin                         | (26.2%) | (33.2%)  | (38.2%) | (20.3%) | (10.4%) | (4.6%)  |
| Adj. net profit margin                   | (21.3%) | (28.3%)  | (30.6%) | (15.0%) | (5.1%)  | 1.3%    |
| Return on equity (ROE)                   | (41.1%) | (46.3%)  | (40.6%) | (29.8%) | (21.2%) | (8.5%)  |
| GEARING/LIQUIDITY/ACTIVITIES             | 2020A   | 2021A    | 2022A   | 2023E   | 2024E   | 2025E   |
| YE 31 Dec                                |         |          |         |         |         |         |
| Net debt to equity (x)                   | 0.5     | 0.5      | 0.3     | 0.7     | 0.9     | 0.8     |
| Current ratio (x)                        | 2.1     | 3.0      | 1.4     | 1.7     | 1.7     | 1.7     |
| Receivable turnover days                 | 37.1    | 26.0     | 22.1    | 39.5    | 39.5    | 39.5    |
| Payable turnover days                    | 122.5   | 103.8    | 86.8    | 125.0   | 125.0   | 125.0   |
| VALUATION                                | 2020A   | 2021A    | 2022A   | 2023E   | 2024E   | 2025E   |
| YE 31 Dec                                |         |          |         |         |         |         |
| P/B                                      | 12.4    | 10.8     | 4.1     | 3.2     | 3.6     | 3.5     |

Source: Company data, CMBIGM estimates. Note: The calculation of net cash includes financial assets.



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