## DHI Group, Inc. (DHX) - Sponsored Research

## Recent Data Portends Improving Demand Environment for Dice

In a press release yesterday, DHI Group (DHX) highlighted CompTIA's analysis of the U.S. Bureau of Labor Statistics (BLS) latest employment data, which noted that employers added 191,000 new technology job postings in March. The number of new job postings increased by 8,000 from February and reached the highest level since August 2023. In addition, Dice's own analysis of Q1 '24 data from Lightcast revealed a $16 \%$ sequential increase in job postings for both tech positions and tech recruiters. The uptick in tech job postings was attributable to a $23 \%$ Q/Q increase in postings from staffing companies, which we would expect to lead the way out of a downturn, and a $15 \% \mathrm{Q} / \mathrm{Q}$ increase in postings from non-staffing companies. Taken together, these recent data points suggest the demand environment for Dice should improve moving forward as employers look to fill open technology roles. Also worth noting, ManpowerGroup's (MAN) Employment Outlook Survey for Q2 '24 shows the strongest Net Employment Outlook (NEO), defined as the percentage of employers planning to hire less the percentage anticipating staffing reductions, in North America at $+31 \%$ with the IT industry being the strongest contributor in the region with a NEO of $+51 \%$.

Our estimates for Q1 and FY '24 reflect steady sequential improvement in Dice bookings growth, culminating in a return to positive growth exiting the year. Considering the aforementioned data points, we remain comfortable with our current assumptions for the year and are cautiously optimistic that Dice growth could inflect sooner than we anticipate. That said, we maintain our estimates and price target of $\$ 7.00$, which represents an unchanged FY ' $24 \mathrm{EV} /$ Sales multiple of 2.5 x .

| Price Target |  | \$ | 7.00 |
| :---: | :---: | :---: | :---: |
| Price |  |  | 2.41 |
| Shares outst | ding |  | 48.0 |
| Market cap |  |  | 115.8 |
| Cash and inve | tments |  | 4.2 |
| Debt |  |  | 38.0 |
| Enterprise val |  |  | 149.6 |
| Fiscal Year E |  |  | cember |
| Estimates | 2023A | 2024E | 2025E |
| Sales | 151.9 | 147.4 | 156.6 |
| Adj. EBITDA | 36.3 | 35.4 | 39.6 |
| NG EPS | 0.37 | 0.31 | 0.38 |
| Valuation | 2023A | 2024E | 2025E |
| EV/Sales | 1.0x | 1.0x | 1.0x |
| EV/EBITDA | 4.1 x | $4.2 x$ | $3.8 x$ |
| P/E | 6.5 x | 7.7x | $6.3 x$ |

In \$MMs expect per share data

## Analyst Certification and Additional Disclosures Appear on Page 3.

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| DHI Group, Inc. (DHX) |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
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| K. Liu \& Company LLC |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| (\$000s) | FY '19(A) | FY '20(A) | FY '21(A) | FY '22(A) | Q1-Mar | Q2-Jun | Q3 - Sep | Q4-Dec | FY '23(A) | Q1-Mar(E) | Q2-Jun | Q3-Sep | Q4-Dec | FY '24(E) | Q1-Mar | Q2-Jun | Q3-Sep | Q4- Dec | FY'25(E) |
| Revenues | 149,370 | 111,167 | 119,903 | 149,680 | 38,620 | 38,538 | 37,433 | 37,287 | 151,878 | 35,896 | 36,966 | 37,167 | 37,320 | 147,350 | 37,548 | 39,187 | 39,812 | 40,047 | 156,594 |
| Cost of revenue | 16,237 | 14,285 | 15,088 | 17,607 | 4,912 | 4,956 | 4,971 | 4,948 | 19,787 | 5,000 | 5,000 | 5,000 | 5,000 | 20,000 | 5,250 | 5,250 | 5,250 | 5,250 | 21,000 |
| Gross profit (loss) | 133,133 | 96,882 | 104,815 | 132,073 | 33,708 | 33,582 | 32,462 | 32,339 | 132,091 | 30,896 | 31,966 | 32,167 | 32,320 | 127,350 | 32,298 | 33,937 | 34,562 | 34,797 | 135,594 |
| Product development | 17,216 | 14,888 | 16,020 | 17,674 | 4,694 | 4,158 | 4,432 | 4,493 | 17,777 | 4,500 | 4,500 | 4,500 | 4,500 | 18,000 | 4,750 | 4,750 | 4,750 | 4,750 | 19,000 |
| Sales and marketing | 55,909 | 39,693 | 43,701 | 59,364 | 16,060 | 14,723 | 14,036 | 12,602 | 57,421 | 13,500 | 13,500 | 13,000 | 13,000 | 53,000 | 14,000 | 14,000 | 13,500 | 13,500 | 55,000 |
| General and administrative | 31,003 | 26,624 | 28,583 | 34,049 | 8,208 | 8,453 | 7,210 | 7,402 | 31,273 | 7,750 | 7,750 | 7,750 | 7,750 | 31,000 | 8,250 | 8,250 | 8,250 | 8,250 | 33,000 |
| Depreciation | 9,743 | 10,259 | 16,344 | 17,487 | 4,173 | 4,162 | 4,241 | 4,339 | 16,915 | 4,350 | 4,350 | 4,350 | 4,350 | 17,400 | 4,500 | 4,500 | 4,500 | 4,500 | 18,000 |
| Amortization of intangible assets | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Other non-recurring items | 2,237 | 37,808 | 1,919 | $(2,061)$ | -- | 2,115 | 302 | -- | 2,417 |  | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Operating income (loss) | 17,025 | $(32,390)$ | $(1,752)$ | 5,560 | 573 | (29) | 2,241 | 3,503 | 6,288 | 796 | 1,866 | 2,567 | 2,720 | 7,950 | 98 | 2,437 | 3,562 | 3,797 | 10,594 |
| Interest and other income (expense), net | (701) | $(2,834)$ | 721 | $(1,963)$ | (627) | (775) | (472) | (792) | $(2,666)$ | (651) | (595) | (571) | (578) | $(2,396)$ | (557) | (493) | (470) | (477) | $(1,997)$ |
| Income (loss) before provision for income taxes | 16,324 | $(35,224)$ | $(1,031)$ | 3,597 | (54) | (804) | 1,769 | 2,711 | 3,622 | 145 | 1,271 | 1,996 | 2,143 | 5,555 | 241 | 1,944 | 3,092 | 3,321 | 8,597 |
| Provision for income taxes | 3,773 | $(2,857)$ | (629) | (579) | (514) | (677) | 759 | 563 | 131 | 36 | 318 | 499 | 536 | 1,389 | 60 | 486 | 773 | 830 | 2,149 |
| Net income (loss) from continuing operations | 12,551 | $(32,367)$ | (402) | 4,176 | 460 | (127) | 1,010 | 2,148 | 3,491 | 109 | 953 | 1,497 | 1,607 | 4,166 | 180 | 1,458 | 2,319 | 2,490 | 6,448 |
| Income (loss) from discontinued operations, net | -- | 2,122 | $(29,340)$ | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Net income (loss) | 12,551 | $(30,245)$ | $(29,742)$ | 4,176 | 460 | (127) | 1,010 | 2,148 | 3,491 | 109 | 953 | 1,497 | 1,607 | 4,166 | 180 | 1,458 | 2,319 | 2,490 | 6,448 |
| Tax rate | 23.1\% | 8.1\% | 61.0\% | -16.1\% | 951.9\% | 84.2\% | 42.9\% | 20.8\% | 3.6\% | 25.0\% | 25.0\% | 25.0\% | 25.0\% | 25.0\% | 25.0\% | 25.0\% | 25.0\% | 25.0\% | 25.0\% |
| Non-GAAP Reconciliation: |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Operating income (loss) | 17,025 | $(32,390)$ | $(1,752)$ | 5,560 | 573 | (29) | 2,241 | 3,503 | 6,288 | 796 | 1,866 | 2,567 | 2,720 | 7,950 | 798 | 2,437 | 3,562 | 3,797 | 10,594 |
| Add: intangible assets amortization |  | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Add: non-recurring items | 2,386 | 39,001 | 3,888 | $(1,616)$ | 421 | 2,215 | 921 | 27 | 3,584 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Add: stock-based compensation | 5,704 | 5,764 | 7,681 | 9,519 | 2,887 | 2,397 | 1,989 | 2,194 | 9,467 | 2,500 | 2,500 | 2,500 | 2,500 | 10,000 | 2,750 | 2,750 | 2,750 | 2,750 | 11,000 |
| Non-GAAP operating income | 25,115 | 12,375 | 9,817 | 13,463 | 3,881 | 4,583 | 5,151 | 5,724 | 19,339 | 3,296 | 4,366 | 5,067 | 5,220 | 17,950 | 3,548 | 5,187 | 6,312 | 6,547 | 21,594 |
| Interest and other income, net | (701) | $(2,834)$ | 721 | $(1,963)$ | (627) | (775) | (472) | (792) | $(2,666)$ | (651) | (595) | (571) | (578) | $(2,396)$ | (557) | (493) | (470) | (477) | $(1,997)$ |
| Add: loss (gain) on unusual item | -- | 1,802 | $(1,388)$ | 1,709 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Non-GAAP income before taxes | 24,414 | 11,343 | 9,150 | 13,209 | 3,254 | 3,808 | 4,679 | 4,932 | 16,673 | 2,645 | 3,771 | 4,496 | 4,643 | 15,555 | 2,991 | 4,694 | 5,842 | 6,071 | 19,597 |
| Provision for income taxes | 3,773 | $(2,857)$ | (629) | (579) | (514) | (677) | 759 | 563 | 131 | 36 | 318 | 499 | 536 | 1,389 | 60 | 486 | 773 | 830 | 2,149 |
| Non-GAAP net income (loss) | 20,641 | 14,200 | 9,779 | 13,788 | 3,768 | 4,485 | 3,920 | 4,369 | 16,542 | 2,609 | 3,453 | 3,997 | 4,107 | 14,166 | 2,930 | 4,208 | 5,069 | 5,240 | 17,448 |
| Non-GAAP tax rate | 15.5\% | -25.2\% | -6.9\% | -4.4\% | -15.8\% | -17.8\% | 16.2\% | 11.4\% | 0.8\% | 1.4\% | 8.4\% | 11.1\% | 11.5\% | 8.9\% | 2.0\% | 10.4\% | 13.2\% | 13.7\% | 11.0\% |
| Non-GAAP operating income | 25,115 | 12,375 | 9,817 | 13,463 | 3,881 | 4,583 | 5,151 | 5,724 | 19,339 | 3,296 | 4,366 | 5,067 | 5,220 | 17,950 | 3,548 | 5,187 | 6,312 | 6,547 | 21,594 |
| Add: depreciation | 9,743 | 10,259 | 16,344 | 17,487 | 4,173 | 4,162 | 4,241 | 4,339 | 16,915 | 4,350 | 4,350 | 4,350 | 4,350 | 17,400 | 4,500 | 4,500 | 4,500 | 4,500 | 18,000 |
| Add: other income (expense), net | 1 | (1) | 1 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Adjusted EBITDA from continuing operations | 34,859 | 22,633 | 26,162 | 30,950 | 8,054 | 8,745 | 9,392 | 10,063 | 36,254 | 7,646 | 8,716 | 9,417 | 9,570 | 35,350 | 8,048 | 9,687 | 10,812 | 11,047 | 39,594 |
| EPS | 0.24 | (0.63) | (0.64) | 0.09 | 0.01 | (0.00) | 0.02 | 0.05 | 0.08 | 0.00 | 0.02 | 0.03 | 0.04 | 0.09 | 0.00 | 0.03 | 0.05 | 0.05 | 0.14 |
| Non-GAAP EPS | 0.40 | 0.29 | 0.20 | 0.30 | 0.08 | 0.10 | 0.09 | 0.10 | 0.37 | 0.06 | 0.08 | 0.09 | 0.09 | 0.31 | 0.06 | 0.09 | 0.11 | 0.11 | 0.38 |
| Basic shares outstanding | 48,739 | 48,278 | 46,333 | 44,274 | 43,886 | 43,460 | 43,405 | 43,539 | 43,571 | 43,739 | 43,939 | 44,139 | 44,339 | 44,039 | 44,539 | 44,739 | 44,939 | 45,139 | 44,839 |
| Diluted shares outstanding | 51,633 | 49,571 | 48,912 | 46,533 | 45,240 | 44,159 | 44,324 | 44,612 | 44,496 | 44,812 | 45,012 | 45,212 | 45,412 | 45,112 | 45,612 | 45,812 | 46,012 | 46,212 | 45,912 |
| Selected Balance Sheet Data: |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Cash and cash equivalents | 5,381 | 4,542 | 1,540 | 3,006 | 5,368 | 2,724 | 3,724 | 4,206 | 4,206 | 14,886 | 19,306 | 17,981 | 22,868 | 22,868 | 34,762 | 38,876 | 37,409 | 44,852 | 44,852 |
| Accounts receivable | 21,158 | 16,134 | 18,385 | 20,494 | 24,980 | 18,990 | 18,591 | 22,225 | 22,225 | 23,821 | 18,635 | 18,960 | 22,514 | 22,514 | 24,370 | 19,625 | 20,204 | 24,138 | 24,138 |
| Fixed assets | 20,352 | 23,033 | 20,581 | 21,252 | 21,879 | 22,133 | 23,376 | 25,272 | 25,272 | 26,172 | 26,822 | 27,472 | 28,122 | 28,122 | 28,872 | 29,622 | 30,372 | 31,122 | 31,122 |
| Goodwill and other intangible assets | 195,059 | 151,900 | 151,900 | 151,900 | 151,900 | 151,900 | 151,900 | 151,900 | 151,900 | 151,900 | 151,900 | 151,900 | 151,900 | 151,900 | 151,900 | 151,900 | 151,900 | 151,900 | 151,900 |
| Accounts payable and accrued expenses | 18,908 | 15,308 | 15,859 | 23,818 | 12,403 | 14,257 | 15,731 | 17,408 | 17,408 | 12,039 | 13,838 | 15,250 | 18,150 | 18,150 | 12,500 | 14,513 | 16,000 | 19,050 | 19,050 |
| Deferred revenue | 51,626 | 36,582 | 46,146 | 50,864 | 58,844 | 53,434 | 48,844 | 49,971 | 49,971 | 65,325 | 59,845 | 54,303 | 56,425 | 56,425 | 73,662 | 67,870 | 61,586 | 65,559 | 65,559 |
| Debt | 9,435 | 19,583 | 22,730 | 30,000 | 46,000 | 43,000 | 40,000 | 38,000 | 38,000 | 38,000 | 38,000 | 38,000 | 38,000 | 38,000 | 38,000 | 38,000 | 38,000 | 38,000 | 38,000 |
| Stockholders' equity | 161,195 | 127,570 | 116,362 | 106,239 | 101,252 | 100,476 | 103,088 | 107,542 | 107,542 | 110,187 | 113,676 | 117,709 | 121,852 | 121,852 | 124,818 | 129,062 | 134,167 | 139,443 | 139,443 |

## Analyst Certification

Kevin Liu, CFA ("the analyst") certifies that all of the views expressed in this report accurately reflect the analyst's personal views regarding the companies and securities covered by this report, and no part of the analyst's compensation was, is, or will be, directly or indirectly, tied to the specific recommendations or views expressed by the analyst in this report. The analyst has received and is eligible to receive compensation based on K. Liu \& Company LLC's overall revenues, the performance of the analyst's recommendations, and other competitive factors.

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