

## Vertiv

# 4Q23 preview: orders, Al, and capacity in focus

Reiterate Rating: BUY | PO: 72.00 USD | Price: 61.32 USD

## 4Q23 preview: raising 4Q23E & 2024E adj. EPS

Management raised 4Q23 guidance in conjunction with the Nov. 2023 Investor Day, and we expect results at the upper end of guidance. We think investors will focus on 1) orders, 2) artificial intelligence (AI) demand, and 3) capacity. We raise our 4Q23E adj. EPS by \$0.04 to \$0.55, at the high-end of \$0.51-0.55 guidance. We raise our 2024E adj. EPS by \$0.09 to \$2.34, +32% y/y. This reflects 11.4% y/y organic revenue growth and 270bp of y/y margin expansion to 17.8% (above guidance of 16.5-16.9%). We raise our price objective by \$12 to \$72, based on a 16x EV/EBITDA of our 2025E estimates (previously 14x). Our target multiple is in line with the 16x peer average on 2024E, which we argue is warranted given faster earnings growth but lower margins versus peers. Reiterate Buy.

## Orders: acceleration to 20+% y/y in 4Q

We forecast 23% y/y orders growth in 4Q23 and 14% y/y growth in 2024. This implies backlog rises from \$5.0bn in 3Q23 to \$5.1bn at 4Q23 and \$5.4bn by 4Q24. Peer Eaton's data center segment saw revenue up 20% y/y in 4Q, full-year 2023 orders up 30% y/y, and the negotiation pipeline rise 160% y/y.

## Al: more signs of the demand wave

At the Nov 2023 Investor Day, Al orders were sized at  $\sim$ \$100mn (narrow product definition) to  $\sim$ \$250mn (including related product orders). This represents 2-4% of Vertiv's trailing orders. This compares to "tens of millions" in Al product-specific orders in 3Q. Commentary from hyperscalers and Meta suggest accelerating demand in 2024. While we appreciate Vertiv's difficulty in calculating Al-related orders, we think investors want regular updates to track the Al-specific demand.

## Capacity: adding fast enough to avoid bottlenecks

Vertiv has announced plans to double its production capacity for electrical switchgear and busway over 2023-25. We view Americas electrical investment as particularly critical. Given differences in electrical standards (e.g., Americas 60 Hz / EMEA 50 Hz), capacity is not fungible between regions. The E&I acquisition (closed Nov 2021) came with a South Carolina facility. Vertiv's Monterrey facility (opened 1Q23) added thermal capacity in the Americas and these products can be shipped between regions.

Estimates (Dec) (US\$)	2021A	2022A	2023E	2024E	2025E
EPS	0.76	0.53	1.77	2.34	2.97
GAAP EPS	0.33	0.20	1.03	1.91	2.56
EPS Change (YoY)	-7.3%	-30.3%	234.0%	32.2%	26.9%
Consensus EPS (Bloomberg)			1.75	2.24	2.74
DPS	0.01	0.01	0.03	0.10	0.14
Valuation (Dec)					
P/E	80.7x	115.7x	34.6x	26.2x	20.6x
GAAP P/E	185.8x	306.6x	59.5x	32.1x	24.0x
Dividend Yield	0%	0%	0%	0.2%	0.2%
EV / EBITDA*	44.5x	50.2x	23.3x	18.1x	14.9x
Free Cash Flow Yield*	0.5%	-1.1%	2.7%	3.3%	4.3%
* For full definitions of <i>iQ</i> method <sup>SM</sup> measures, see page 6.					

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Refer to important disclosures on page 7 to 9. Analyst Certification on page 5. Price
Objective Basis/Risk on page 5.

Timestamp: 13 February 2024 05:00AM EST

#### 13 February 2024

#### Equity

Key Changes		
(US\$)	Previous	Current
Price Obj.	60.00	72.00
2023E Rev (m)	6,845.8	6,892.6
2024E Rev (m)	7,584.1	7,660.3
2025E Rev (m)	8,453.0	8,563.7
2023E EPS	1.72	1.77
2024E EPS	2.25	2.34
2025E EPS	2.71	2.97

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#### Stock Data

Price	61.32 USD
Price Objective	72.00 USD
Date Established	13-Feb-2024
Investment Opinion	C-1-7
52-Week Range	11.95 USD - 64.18 USD
Mrkt Val (mn) / Shares Out	23,390 USD / 381.4
(mn)	
Free Float	93.4%
Average Daily Value (mn)	364.87 USD
BofA Ticker / Exchange	VRT / NYS
Bloomberg / Reuters	VRT US / VRT.N
ROE (2023E)	41.3%
Net Dbt to Eqty (Dec-2022A)	203.2%
ESGMeter™	Medium

ESGMeter is not indicative of a company's future stock price performance and is not an investment recommendation or rating. ESGMeter is independent of BofA Global Research's equity investment rating, volatility risk rating, income rating, and price objective for that company. For full details, refer to "BofA ESGMeter Methodology".

## **iQ**profile<sup>™</sup> Vertiv

<b>iQ</b> method <sup>™</sup> – Bus Performance*					
(US\$ Millions)	2021A	2022A	2023E	2024E	2025
Return on Capital Employed	4.4%	2.2%	11.9%	16.1%	20.6%
Return on Equity	26.7%	14.0%	41.3%	43.7%	43.7%
Operating Margin	6.5%	3.9%	12.6%	15.4%	17.49
Free Cash Flow	126	(264)	634	780	1,000
i <b>Q</b> method <sup>™</sup> – <b>Quality of Earnings*</b>					
(US\$ Millions)	2021A	2022A	2023E	2024E	2025
Cash Realization Ratio	0.8x	-0.8x	1.2x	1.1x	1.0
Asset Replacement Ratio	0.4x	0.4x	0.6x	0.7x	0.7
Tax Rate	43.2%	118.8%	26.7%	28.0%	27.09
Net Debt-to-Equity Ratio	178.7%	203.2%	123.9%	78.2%	39.09
Interest Cover	3.6x	1.5x	4.8x	7.4x	10.4
Income Statement Data (Dec)					
(US\$ Millions)	2021A	2022A	2023E	2024E	2025
Sales	4,998	5,692	6,893	7,660	8,56
% Change	14.4%	13.9%	21.1%	11.1%	11.89
Gross Profit	1,523	1,616	2,369	2,742	3,142
% Change	4.5%	6.1%	46.6%	15.7%	14.69
EBITDA	592	526	1,131	1,456	1,76
% Change	2.0%	-11.2%	115.1%	28.8%	21.29
Net Interest & Other Income	(91)	(147)	(180)	(160)	(143
Net Income (Adjusted)	278	200	682	915	1,16
% Change	-2.1%	-27.9%	240.3%	34.2%	26.9%
Free Cash Flow Data (Dec)					
(US\$ Millions)	2021A	2022A	2023E	2024E	2025
Net Income from Cont Operations (GAAP)	134	(14)	504	734	983
Depreciation & Amortization	227	302	264	276	276
Change in Working Capital	(133)	(449)	92	(68)	(80
Deferred Taxation Charge	NA	NA	NA	NA	N
Other Adjustments, Net	(17)	8	(75)	27	2
Capital Expenditure	(85)	(111)	(151)	(189)	(205
Free Cash Flow	126	-264	634	780	1,003
% Change	-19.1%	NM	NM	23.0%	28.5%
Share / Issue Repurchase	108	0	0	(256)	(294
Cost of Dividends Paid	(4)	(4)	(10)	(39)	(55
Change in Debt	828	219	(322)	(772)	(422
Balance Sheet Data (Dec)					
(US\$ Millions)	2021A	2022A	2023E	2024E	2025
Cash & Equivalents	439	261	563	277	508
Trade Receivables	1,536	1,889	2,042	2,248	2,490
Other Current Assets	723	1,009	1,106	1,173	1,272
Property, Plant & Equipment	489	489	554	652	762
Other Non-Current Assets	3,752	3,448	3,251	3,090	2,935
Total Assets	6,940	7,096	7,516	7,439	7,968
Short-Term Debt	22	22	0	0	(
Other Current Liabilities	1,833	1,876	2,096	2,301	2,566
Long-Term Debt	2,951	3,169	2,869	2,097	1,67
Other Non-Current Liabilities	717	587	690	713	73
Total Liabilities	5,522	5,654	5,655	5,112	4,978
Total Equity	1,418	1,442	1,861	2,327	2,989
Total Equity & Liabilities	6,940	7,096	7,516	7,439	7,968

## **Company Sector**

Industrials/Multi-Industry

#### **Company Description**

Vertiv is an electrical product manufacturer focused on data centers (70% of revenue) and telecom (20%) end markets. In 2022, Vertiv generated \$5.7bn in revenue. Key product offerings include power & thermal management, IT management, and related services.

#### **Investment Rationale**

We view Vertiv as benefitting near-term from a margin recovery, and improving FCF generation. Artificial intelligence adoption within data centers adds incremental demand for Vertiv's thermal management products. Pricing benefits from capacity constraints for data center infrastructure products.

#### **Stock Data**

Average Daily Volume 5,950,190

#### **Quarterly Earnings Estimates**

	2022	2023
Q1	-0.08A	0.24A
Q2	0.10A	0.46A
Q3	0.23A	0.52A
Q4	0.28A	0.55E



## Raising our 2024E adj. EPS to \$2.34

We have raised our 4Q23E estimates to reflect faster Americas growth. Given the Americas region has above-average margins, this results in a 50bp higher adjusted EBITA margin. Our adjusted EPS is \$0.04 higher at \$0.55.

For 2024E, we forecast 11.4% y/y organic revenue growth versus 8-10% preliminary guidance given at the November analyst day. We forecast 17.8% adjusted EBITA margin, implying ~40% incrementals. This compares to ~50% incremental margin in 2023E. Our adjusted EPS is \$0.09 higher at \$2.34.

Exhibit 1: Raising our 4Q23 and 2024 adj. EPS estimates

Raising our 2024 by \$0.09 to \$2.34

		4Q23E		Vertiv		2024E		Vertiv
(\$mn, except per								
sh.)	New	Old	Change	Guidance	New	Old	Change	Guidance
Revenue	1,895	1,848	3%	1,877-1,897	7,660	7,584	1%	
Organic %	13.2%	11.9%	130bp		11.4%	11.4%	0bp	8-10%
Total %	14.5%	11.7%	280bp		11.1%	10.8%	30bp	
Adj. EBITA	321	303	6%	312-322	1.360	1.347	1%	
Adj. EBITA margin	16.9%	16.4%	50bp		17.8%	17.8%	0bp	16.5-16.9%
Adj. EBITDA	342	324	5%		1.456	1.444	1%	
Adj. EBITA margin	18.0%	17.5%	50bp		19.0%	19.0%	0bp	
Adjusted EPS	\$0.55	\$0.51	9%	\$0.51-0.55	\$2.34	\$2.25	4%	
Diluted shares	389.3	389.3	0%	Ç0.5 . 0.55	391.2	391.6	0%	

Source: BofA Global Research

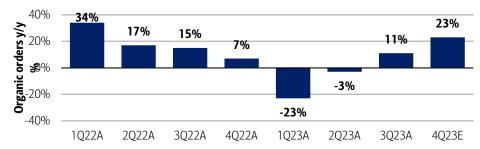
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## Orders: acceleration to 20+% y/y in 4Q

Vertiv's orders grew 11% y/y on an organic basis in 3Q23. We forecast an acceleration to 23% y/y growth in 4Q. We note that the year ago "comps" get 30pts easier in 1Q24, providing an easier path to continued acceleration in 1H24.

#### Exhibit 2: Vertiv organic orders trend (1Q22-4Q23E)

We forecast 23% y/y orders growth



**Source:** Company filings, BofA Global Research

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## Al: more signs of the demand wave

- Eaton (ETN) reported data center revenues up 20% y/y in 4Q23. Full-year data center orders rose 30% y/y and its negotiation pipeline was up 160% y/y in 4Q23. CEO Craig Arnold said on the conference call, "We continue to see just an acceleration in the data center market in terms of the rate of growth." Eaton management expects its data center market to grow at a 16% CAGR over the next five years.
- Microsoft (MSFT; covered by Brad Sills) reported that Al-demand drove 6pts of growth in its Azure and other cloud services revenue, which grew 28% y/y in constant currency in total. This compares to 3pts of Al-demand last quarter. Already, Microsoft has signed up ~53,000 Azure Al customers. CFO Amy Hood said on the



call, "Looking forward you'll tend to see accelerated capital expense to continue to be able to add capacity in the coming quarters given what we see in terms of the pipeline."

- Super Micro (SMCI; not covered) reported December quarter revenue grew 103% y/y and 73% sequentially. Super Micro builds pre-configured server & storage systems for use in data centers and other applications. SMCI's offerings are "inside the rack" while Vertiv's are "outside the rack" e.g., complementary versus competitive. Management is preparing to double its AI portfolio as other chip makers come out with AI-focused chips.
- Meta Platforms (META; covered by Justin Post) is targeting to have 350,000 NVIDIA H100 chips up and running by year-end 2024. This suggests 245 megawatts of electricity consumption (under peak loads). This compares to total US data center capacity additions in the ~1,000-2,000 megawatt range. This implies that Meta's AI additions alone would drive 10-20 percentage points in market-wide US demand for electrical & thermal equipment (e.g., implied ~20-30% growth relative to ~10% growth). In comparison, we forecast Vertiv to have 19% y/y revenue growth in the Americas region in 2024.

## **Valuation**

We base our \$72 price objective on a 16x EV/EBITDA of our 2025E estimates. Our target multiple is in line with the 16x peer average on 2024E, which we argue is warranted given faster earnings growth but lower margins versus peers.

### **Exhibit 3: Selected valuation metrics for Vertiv and peers**

Vertiv has above-peer earnings growth but below-peer margins and above-peer financial leverage

		Stock Price	P	/E	EV/E	BITDA	EBITDA	Margin	EBITDA	Growth	Net deb	t/EBITDA
Company	Ticker	2/12/2024	2024E	2025E	2024E	2025E	2024E	2025E	2024E	2025E	2024E	2025E
Legrand	LGRVF	\$93.20	23.3 x	21.3 x	16 x	14 x	21.3%	22.4%	-9%	8%	0.7x	0.5x
Schneider	SBGSF	\$211.40	27.8 x	25.2 x	17 x	15 x	20.4%	21.1%	10%	9%	0.9x	0.6x
Hubbell*	HUBB	\$359.82	22.2 x	20.7 x	16 x	14 x	22.5%	22.9%	10%	7%	1.0x	0.6x
Eaton	ETN	\$274.05	29.8 x	28.0 x	22 x	21 x	20.7%	20.7%	8%	6%	1.2x	0.8x
nVent*	NVT	\$63.79	19.6 x	18.0 x	14 x	13 x	24.1%	24.3%	12%	6%	1.4x	1.1x
TE Connectivity	TEL	\$93.20	12.3 x	11.2 x	<u>9 x</u>	<u>8 x</u>	21.8%	22.2%	4%	6%	0.5x	0.2x
AVERAGE			22.5 x	20.7 x	16 x	14 x	21.8%	22.3%	6%	7%	1.0x	0.6x
Vertiv	VRT	\$61.32	26.3 x	20.6 x	17 x	14 x	19.0%	20.6%	29%	21%	1.3x	0.7x
Vertiv @ PO	VRT	\$72.00	30.8 x	24.2 x	20 x	16 x						

**Source:** BofA Global Research, Bloomberg Note: \* indicates Bloomberg consensus

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## Price objective basis & risk

### Vertiv (VRT)

We base our \$72 price objective on an 16x EV/EBITDA of our 2025 estimates. Our target multiple is in line with the 16x peer average on 2024E. We argue an in line multiple is warranted given above-peers earnings growth offset by below-peer margins.

Downside risks to our price objective are 1) declines in company-owned data centers, 2) inability to execute on cost savings plans, 3) pricing deterioration due to competition, and 4) disruptions due to supply chain or manufacturing execution.

## **Analyst Certification**

I, Andrew Obin, hereby certify that the views expressed in this research report accurately reflect my personal views about the subject securities and issuers. I also certify that no part of my compensation was, is, or will be, directly or indirectly, related to the specific recommendations or view expressed in this research report.

#### **US - Multi-Industrials/Engineering and Construction Coverage Cluster**

nvestment rating	Company	BofA Ticker	Bloomberg symbol	Analyst
BUY				
	APi Group	APG	APG US	Andrew Obin
	AspenTech	AZPN	AZPN US	Andrew Obin
	Atmus Filtration	ATMU	ATMU US	Andrew Obin
	Dover Corp	DOV	DOV US	Andrew Obin
	Eaton Corp PLC	ETN	ETN US	Andrew Obin
	Emerson Electric Co	EMR	EMR US	Andrew Obin
	Flowserve	FLS	FLS US	Andrew Obin
	General Electric Company	GE	GE US	Andrew Obin
	Honeywell International Inc.	HON	HON US	Andrew Obin
	ITT Inc.	ITT	ITT US	Andrew Obin
	Montrose Environmental Group, Inc.	MEG	MEG US	Andrew Obin
	Parker Hannifin Corporation	PH	PH US	Andrew Obin
	PTC Inc.	PTC	PTC US	Andrew Obin
	Rush	RUSHA	RUSHA US	Andrew Obin
	Vertiv	VRT	VRT US	Andrew Obin
	Vontier	VNT	VNT US	Andrew Obin
NEUTRAL				
NEO I IGIE	3M Company	MMM	MMM US	Andrew Obin
	AMETEK Inc	AME	AME US	Andrew Obin
	Fortive Corporation	FTV	FTV US	Andrew Obin
	Johnson Controls International PLC	JCI	JCI US	Andrew Obin
	Pentair plc	PNR	PNR US	Andrew Obin
	Rockwell	ROK	ROK US	Andrew Obin
	Trane Technologies PLC	TT	TT US	Andrew Obin
UNDERPERFORM				
ONDER! ER! ORM	Allegion	ALLE	ALLE US	Andrew Obin
	Carrier Global Corp.	CARR	CARR US	Andrew Obin
	Core & Main	CNM	CNM US	Andrew Obin
	Illinois Tool Works	ITW	ITW US	Andrew Obin
	John Bean Technologies	JBT	JBT US	Andrew Obin
	Keysight	KEYS	KEYS US	David Ridley-Lane, CFA



## **IQ**method<sup>™</sup> Measures Definitions

<b>Business Performance</b>	Numerator	Denominator
Return On Capital Employed	NOPAT = (EBIT + Interest Income) $\times$ (1 $-$ Tax Rate) + Goodwill Amortization	Total Assets — Current Liabilities + ST Debt + Accumulated Goodwill Amortization
Return On Equity	Net Income	Shareholders' Equity
Operating Margin	Operating Profit	Sales
Earnings Growth	Expected 5 Year CAGR From Latest Actual	N/A
Free Cash Flow	Cash Flow From Operations — Total Capex	N/A
Quality of Earnings	Numerator	Denominator
Cash Realization Ratio	Cash Flow From Operations	Net Income
Asset Replacement Ratio	Capex	Depreciation
Tax Rate	Tax Charge	Pre-Tax Income
Net Debt-To-Equity Ratio	Net Debt = Total Debt - Cash & Equivalents	Total Equity
Interest Cover	EBIT	Interest Expense
Valuation Toolkit	Numerator	Denominator
Price / Earnings Ratio	Current Share Price	Diluted Earnings Per Share (Basis As Specified)
Price / Book Value	Current Share Price	Shareholders' Equity / Current Basic Shares
Dividend Yield	Annualised Declared Cash Dividend	Current Share Price
Free Cash Flow Yield	Cash Flow From Operations – Total Capex	Market Cap = Current Share Price × Current Basic Shares
Enterprise Value / Sales	EV = Current Share Price × Current Shares + Minority Equity + Net Debt + Other LT Liabilities	Sales

EV / EBITDA Enterprise Value Basic EBIT + Depreciation + Amortization

\*\*Menethod 3\*\*\*is the set of BofA Global Research standard measures that serve to maintain global consistency under three broad headings: Business Performance, Quality of Earnings, and validations. The key features of iQmethod are: A consistently structured, detailed, and transparent methodology. Guidelines to maximize the effectiveness of the comparative valuation process, and to identify some common pitfalls.

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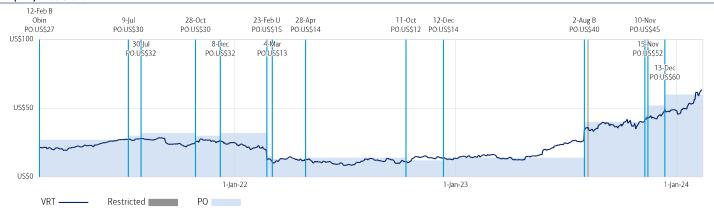
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## **Disclosures**

## **Important Disclosures**

#### Vertiv (VRT) Price Chart



B: Buy, N: Neutral, U: Underperform, PO: Price Objective, NA: No longer valid, NR: No Rating

The Investment Opinion System is contained at the end of the report under the heading "Fundamental Equity Opinion Key". Dark grey shading indicates the security is restricted with the opinion suspended. Medium grey shading indicates the security is under review with the opinion withdrawn. Light grey shading indicates the security is not covered. Chart is current as of a date no more than one trading day prior to the date of the report.

#### Equity Investment Rating Distribution: Industrials/Multi-Industry Group (as of 31 Dec 2023)

Coverage Universe	Count	Percent	Inv. Banking Relationships R1	Count	Percent
Buy	45	50.56%	Buy	25	55.56%
Hold	26	29.21%	Hold	13	50.00%
Sell	18	20.22%	Sell	7	38.89%

#### Equity Investment Rating Distribution: Global Group (as of 31 Dec 2023)

Coverage Universe	Count	Percent	Inv. Banking Relationships R1	Count	Percent
Buy	1895	53.62%	Buy	1083	57.15%
Hold	832	23.54%	Hold	454	54.57%
Sell	807	22.84%	Sell	383	47.46%

R1 Issuers that were investment banking clients of BofA Securities or one of its affiliates within the past 12 months. For purposes of this Investment Rating Distribution, the coverage universe includes only stocks. A stock rated Neutral is included as a Hold, and a stock rated Underperform is included as a Sell.

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## Investment rating Total return expectation (within 12-month period of date of initial rating) Ratings dispersion guidelines for coverage cluster<sup>R2</sup>

Buy	≥ 10%	≤ 70%
Neutral	≥ 0%	≤ 30%
Underperform	N/A	≥ 20%

R2Ratings dispersions may vary from time to time where BofA Global Research believes it better reflects the investment prospects of stocks in a Coverage Cluster.

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