

Japan Technology: IT Services: NC company results read-across (7) (software testing): Digital Hearts, Valtes

In this report, we consider the implications for our covered companies from visits we made to two Not Covered companies, namely **Digital Hearts (web app testing/game debugging)** and **Valtes Holdings (enterprise testing)**, both of which focus on software testing as their mainstay business. Please see our earlier [report](#) for earnings trends at SHIFT (Not Covered), the largest domestic company specializing in software services. At **Digital Hearts**, demand in the software testing business for enterprise customers is steady, but the company guides for only a slight yoy increase in operating profits in FY3/27 due to factors such as a peak-out in domestic debugging demand for the Switch 2. Although demand for enterprise software testing continues to expand at **Valtes Holdings**, management guides for modest profit growth in FY3/27 due to an increase in AI-related investments, such as for the development of generative AI testing tools.

In terms of read-across, the spread of generative AI is beginning to prompt customers to bring work in-house in some areas of software testing and development businesses, and demand for small-scale system development and simple software testing may shrink across the industry as a whole. Fujitsu (Buy), NEC (Buy), and Nomura Research Institute (Buy) mainly focus on large-scale system development, so they are less susceptible to the impact of the AI disruption mentioned above, while the effects of AI-driven development, such as the automation of development and testing processes, are beginning to materialize; thus, it is likely that they will continue to see strong earnings overall. Below we outline our key takeaways from company commentary (see [Exhibit 1/Exhibit 2/Exhibit 3](#) for earnings tables).

Digital Hearts (3676.T) (software testing for games and web apps)

- (1) **Guidance:** FY3/27 operating profit guidance is ¥2.73 bn (+4% yoy), with the company expecting only a slight increase in profits. Although the full-year contribution of acquired Canadian company HUWIZ (game debugging/quality assurance) is expected to have a positive impact on profits of just over ¥100 mn yoy, Digital Hearts guides for profitability to decline mainly in the DH Group business as demand for highly profitable game debugging for the Switch 2 peaks out, and management assumes a soft earnings performance centered on 1H. While the demand environment for mainstay web app/enterprise software testing (AGEST business) is trending steadily, generative AI is having a negative impact on the development business (discussed below), and Digital Hearts said

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that signs of AI disruption are beginning to emerge.

- **(2) DH business (game debugging):** FY3/26 sales and operating profits came in at -3% yoy and +16% yoy, respectively. Although sales declined due to the impact of the business transfer of an engineer dispatch subsidiary, operating profits increased as related game debugging expanded due to the launch of the Switch 2 (domestic debugging sales grew +11% yoy). Demand for the Switch 2 was very strong, and utilization rates at domestic testing centers (labs) trended at levels close to 100%. On the other hand, FY3/27 sales and operating profit guidance calls for +10% yoy and +1% yoy, respectively, with profits expected to increase only slightly. While the company guides for a full-year contribution of HUWIZ (game debugging/quality assurance), which was consolidated in 4Q3/26, it expects a large impact from the peak-out in domestic debugging demand for the Switch 2. Considering lab capacity, the company believes it will be difficult to expand debugging sales further, and given the number of titles, it said it is hard to expect debugging demand for the Switch 2 to exceed FY3/26 levels. According to management, the yoy hurdle in 1Q is particularly high.
- **(3) AGEST business (web app/enterprise testing):** FY3/26 sales and operating profits were -1% yoy and -22% yoy, respectively. Digital Hearts secured outsourcing resources in preparation for higher demand in the development business, but demand did not grow as much as expected, leading to a decline in utilization rates; in addition, the company raised the price of its security monitoring service to reflect higher costs, resulting in a large negative impact from reduced demand for this service. Sales of mainstay software testing rose +10% yoy. FY3/27 sales and operating profit guidance call for -2% yoy and +39% yoy, respectively; although a slight decline in sales is expected due to a drop in development demand, the company forecasts a sharp increase in profits driven by expanding demand for high-margin software testing. However, according to management, (1) in the development business provided alongside software testing (small-scale system development), the spread of generative AI is prompting customers to bring work in-house, and this demand is on a downtrend that exceeds company expectations, and (2) in software testing, while not enough to affect overall demand, there are moves to bring work in-house among some customers.

Valtes Holdings (4442.T) (enterprise software testing)

- **(1) Guidance:** FY3/27 operating profits are guided at ¥970 mn (+5% yoy), with the company expecting modest growth as it ramps up AI-related investments (negative impact on profits of c.¥100 mn). However, operating profits excluding AI-related expenses are guided at +14% yoy, a continuation of double-digit (%) yoy profit growth, and the company assumes the demand environment for software testing will remain strong. Valtes plans to allocate AI-related investments (c.¥400 mn) to the development of generative AI testing tools, strengthening marketing, and stepping up the hiring of high-class talent (such as AI engineers). The company plans to make a total of ¥1.2 bn in AI-related investments over the period of its medium-term plan (FY3/26-FY3/28). The generative AI test design tool “TestScope” currently under development has already begun internal operations, and the company added a

scenario testing function in May, ultimately aiming to automate all software testing processes.

- (2) **Software testing:** 4Q (Jan-Mar) FY3/26 sales in the software testing business rose +14% yoy, maintaining double-digit (%) yoy growth. Valtes specializes in enterprise testing, and it said demand is currently strong for the verification of embedded in-car systems and for the logistics sector. For full-year FY3/26, sales were +12% yoy, with the number of active engineers up +8% yoy and the average unit price up +5% yoy. Management assumes growth will continue and plans to actively hire personnel, but according to the company, the hiring environment remains highly competitive, and mid-career hiring in FY3/26 missed internal plans.

Exhibit 1: Digital Hearts (3676.T): Earnings by business

(mn yen)									
Digital Hearts (3676)	24/3	25/3	26/3	CoE 27/3E	26/3 Q1	Q2	Q3	Q4	
Sales	38,790	39,749	38,929	41,080	9,380	9,732	9,975	9,841	
yoy	6.2%	2.5%	-2.1%	5.5%	-4.6%	-3.4%	-5.1%	5.4%	
Gross Profit	10,091	10,138	10,001		2,526	2,477	2,645	2,353	
yoy	-5.1%	0.5%	-1.4%		7.7%	-2.0%	-7.5%	-2.1%	
% of sales	26.0%	25.5%	25.7%		26.9%	25.5%	26.5%	23.9%	
SGA	8,051	7,708	7,375		1,818	1,746	1,742	2,068	
yoy	5.5%	-4.3%	-4.3%		-11.3%	-12.6%	-5.8%	14.2%	
% of sales	20.8%	19.4%	18.9%		19.4%	17.9%	17.5%	21.0%	
Operating Profits	2,040	2,430	2,626	2,730	708	731	903	285	
yoy	-32.0%	19.1%	8.1%	4.0%	139.2%	37.9%	-10.8%	-51.9%	
% of sales	5.3%	6.1%	6.7%	6.6%	7.5%	7.5%	9.1%	2.9%	
<Sales and OP by Segments>									
DH(Digital Hearts) Group segment									
Sales	23,489	23,906	23,131	25,380	5,513	5,809	6,066	5,744	
yoy	-	1.8%	-3.2%	9.7%	-8.6%	-5.4%	-6.7%	9.7%	
% of sales	60.6%	60.1%	59.4%	61.8%	58.8%	59.7%	60.8%	58.4%	
Domestic debugging	13,178	13,679	15,116		3,830	3,669	4,004	3,611	
yoy	-	3.8%	10.5%		15.1%	5.6%	13.1%	8.2%	
Global service	3,468	4,145	4,356		846	1,129	1,054	1,327	
yoy	-	19.5%	5.1%		-14.7%	20.6%	-2.9%	17.2%	
Others	6,843	6,082	3,659		835	1,011	1,008	806	
yoy	-	-11.1%	-39.8%		-51.3%	-41.6%	-46.2%	5.1%	
Gross Profit	5,827	5,884	5,898		1,510	1,393	1,602	1,393	
yoy	-	1.0%	0.2%		4.1%	-4.7%	-6.6%	10.9%	
% of sales	24.8%	24.6%	25.5%		27.4%	24.0%	26.4%	24.3%	
SGA	4,093	3,942	3,652		869	879	842	1,062	
yoy	-	-3.7%	-7.4%		-17.1%	-14.8%	-14.6%	21.2%	
% of sales	17.4%	16.5%	15.8%		15.8%	15.1%	13.9%	18.5%	
Operating Profits	1,734	1,941	2,246	2,270	641	514	760	330	
yoy	-	11.9%	15.7%	1.1%	59.3%	19.6%	4.3%	-13.1%	
% of sales	7.4%	8.1%	9.7%	8.9%	11.6%	8.9%	12.5%	5.8%	
AGENT Group segment									
Sales	15,976	16,159	15,995	15,700	3,917	3,988	3,930	4,160	
yoy	-	1.1%	-1.0%	-1.8%	0.1%	-0.6%	-3.6%	0.1%	
% of sales	41.2%	40.7%	41.1%	38.2%	41.8%	41.0%	39.4%	42.3%	
QA(Quality Assurance) solution	13,364	13,928	14,083		3,474	3,514	3,330	3,765	
yoy	-	4.2%	1.1%		3.6%	0.7%	-4.2%	4.3%	
IT services and others	2,610	2,230	1,910		443	473	436	558	
yoy	-	-14.6%	-14.3%		-20.8%	-9.4%	-27.6%	2.0%	
Gross Profit	4,308	4,262	4,300		1,018	1,105	1,030	1,147	
yoy	-	-1.1%	0.9%		13.5%	3.5%	-10.4%	-0.1%	
% of sales	27.0%	26.4%	27.0%		26.0%	27.7%	26.2%	27.6%	
SGA	4,004	3,773	3,919		950	888	887	1,194	
yoy	-	-5.8%	3.9%		-5.3%	-8.3%	2.4%	27.6%	
% of sales	25.1%	23.3%	24.5%		24.3%	22.3%	22.6%	28.7%	
Operating Profits	305	489	381	530	67	217	143	-46	
yoy	-	60.0%	-22.1%	39.3%	N.M.	116.9%	-49.6%	N.M.	
% of sales	1.9%	3.0%	2.4%	3.4%	1.7%	5.4%	3.6%	-1.1%	

Source: Company data, Data compiled by Goldman Sachs Global Investment Research

Exhibit 2: Valtes Holdings (4442.T): Earnings by business

(mn yen)									
Valtes HD (4442)	24/3	25/3	26/3	CoE 27/3E	26/3 Q1	Q2	Q3	Q4	
Sales	10,362	10,795	11,940	14,160	2,749	2,892	3,065	3,234	
yoy	14.4%	4.2%	10.6%	18.6%	12.7%	9.4%	9.7%	10.8%	
Gross Profit	2,994	3,211	3,661		780	865	981	1,035	
yoy	10.7%	7.2%	14.0%		34.2%	6.6%	11.5%	10.4%	
% of sales	28.9%	29.7%	30.7%		28.4%	29.9%	32.0%	32.0%	
SGA	2,155	2,270	2,737		680	695	702	660	
yoy	-	5.3%	20.6%		16.6%	38.6%	8.5%	22.6%	
% of sales	20.8%	21.0%	22.9%		24.8%	24.0%	22.9%	20.4%	
Operating Profits	839	928	924	970	99	170	279	376	
yoy	-	10.6%	-0.4%	5.0%	N.M.	-45.2%	19.7%	-2.8%	
% of sales	8.1%	8.6%	7.7%	6.9%	3.6%	5.9%	9.1%	11.6%	
AI investment			279	400				68	
OP before AI investment			1,203	1,370				444	
yoy			29.7%	13.9%				14.9%	
% of sales			10.1%	9.7%				13.7%	
<Sales and OP by Segments>									
Software testing									
Sales	9,042	9,112	10,245		2,366	2,509	2,632	2,738	
yoy	-	0.8%	12.4%		11.3%	9.7%	14.3%	14.3%	
Operating Profits	860	1,071	864		137	179	251	297	
yoy	-	24.6%	-19.3%		51.2%	-46.1%	-20.9%	-10.3%	
% of sales	9.5%	11.8%	8.4%		5.8%	7.1%	9.5%	10.9%	
Development									
Sales	1,371	1,777	1,991		472	474	520	524	
yoy	-	29.7%	12.0%		32.2%	21.7%	2.1%	0.6%	
Operating Profits	14	-63	92		-10	8	40	54	
yoy	-	N.M.	N.M.		N.M.	N.M.	N.M.	N.M.	
% of sales	1.0%	-3.5%	4.6%		-2.1%	1.8%	7.6%	10.3%	
Security									
Sales	220	220	294		55	47	59	133	
yoy	-	0.0%	34.1%		46.0%	51.3%	10.2%	37.0%	
Operating Profits	34	12	39		0	-5	2	42	
yoy	-	-65.5%	230.6%		-94.1%	11.3%	-11.6%	123.7%	
% of sales	15.4%	5.3%	13.1%		-0.5%	-9.7%	3.2%	31.2%	
Adjustment amount									
Sales	-264	-315	-590		-145	-138	-147	-160	
Operating Profits	-68	-80	-71		-28	-12	-14	-17	

Source: Company data, Data compiled by Goldman Sachs Global Investment Research

Exhibit 3: IT services sector earnings estimates

													(mn yen)		
Company		Results (FY ended March)		GSE					CoE	CY25			CY26		
		25/3	26/3	27/3	28/3	29/3		27/3	1-3	4-6	7-9	10-12	1-3	4-6E	
[Mid-sized System Integrators]															
2327 NS Solutions (NSSOL)	Sales	338,301	381,340	416,000	431,000	453,000	417,000		98,007	82,684	95,691	97,020	105,945	95,000	
	%y-y	8.9%	12.7%	9.1%	3.6%	5.1%	9.4%		8.3%	7.6%	19.9%	15.9%	8.1%	14.9%	
	OP	38,497	44,242	47,500	50,000	54,000	47,500		8,910	8,485	9,787	12,718	13,252	8,500	
	%y-y OP margin	10.0% 11.4%	14.9% 11.6%	7.4% 11.4%	5.3% 11.6%	8.0% 11.9%	7.4% 11.4%		-23.9% 9.1%	-3.7% 10.3%	5.1% 10.2%	11.0% 13.1%	48.7% 12.5%	0.2% 8.9%	
3626 TIS	Sales	571,687	596,479	622,500	642,500	658,500	620,000		155,126	140,316	148,209	147,726	160,228	146,830	
	%y-y	4.1%	4.3%	4.4%	3.2%	2.5%	3.9%		7.5%	4.7%	4.7%	4.8%	3.3%	4.6%	
	OP	69,047	76,229	81,500	86,000	89,300	81,000		20,163	16,353	19,200	19,250	21,426	17,200	
	%y-y OP margin	6.9% 12.1%	10.4% 12.8%	6.9% 13.1%	5.5% 13.4%	3.8% 13.6%	6.3% 13.1%		18.7% 13.0%	16.3% 11.7%	16.7% 13.0%	4.8% 13.0%	6.3% 13.4%	5.2% 11.7%	
4307 Nomura Research Institute (NRI)	Sales	764,813	814,708	854,200	897,200	941,400	850,000		196,567	195,770	201,295	205,268	212,374	205,900	
	%y-y	3.8%	6.5%	4.8%	5.0%	4.9%	4.3%		5.4%	4.1%	6.7%	7.2%	8.0%	5.2%	
	OP	134,907	58,273	178,000	198,000	219,000	175,000		32,554	37,246	41,553	39,981	-60,506	41,000	
	%y-y OP margin	12.0% 17.6%	-56.8% 7.2%	205.5% 20.8%	11.2% 22.1%	10.6% 23.3%	200.3% 20.6%		11.6% 16.6%	14.1% 19.0%	26.0% 20.6%	8.9% 19.5%	N.M. -28.5%	10.1% 19.9%	
4684 Obic	Sales	121,240	135,209	149,000	161,800	174,000	148,700		31,517	32,431	33,353	34,329	35,096	35,860	
	%y-y	8.6%	11.5%	10.2%	8.6%	7.5%	10.0%		12.5%	12.7%	9.7%	12.4%	11.4%	10.6%	
	OP	78,378	88,823	99,300	108,800	118,000	98,000		19,812	21,479	22,176	22,610	22,558	24,100	
	%y-y OP margin	10.5% 64.6%	13.3% 65.7%	11.8% 66.6%	9.6% 67.2%	8.5% 67.8%	10.3% 65.9%		13.8% 62.9%	15.2% 66.2%	11.0% 66.5%	13.4% 65.9%	13.9% 64.3%	12.2% 67.2%	
4733 Obic Business Consultants (OBC)	Sales	46,984	51,401	57,650	64,300	71,670	57,500		12,220	12,151	12,781	12,946	13,524	13,370	
	%y-y	12.0%	9.4%	12.2%	11.5%	11.5%	11.9%		6.1%	8.2%	11.0%	7.7%	10.7%	10.0%	
	OP	21,744	23,581	26,800	31,000	35,800	26,500		5,833	5,570	5,590	6,110	6,311	6,200	
	%y-y OP margin	16.0% 46.3%	8.4% 45.9%	13.7% 46.5%	15.7% 48.2%	15.5% 50.0%	12.4% 46.1%		6.3% 47.7%	7.5% 45.8%	13.4% 43.7%	5.3% 47.2%	8.2% 46.7%	11.3% 46.4%	
8056 BIPROGY (ex Nihon Unisys)	Sales	404,010	433,686	484,500	516,200	546,900	470,000		124,745	96,844	108,288	101,712	126,842	107,100	
	%y-y	9.2%	7.3%	11.7%	6.5%	5.9%	8.4%		12.1%	9.6%	10.9%	9.1%	1.7%	10.6%	
	OP	39,066	42,604	48,400	54,600	60,800	48,400		13,900	8,569	12,781	8,998	12,256	8,800	
	%y-y OP margin	17.4% 9.7%	9.1% 9.8%	13.6% 10.0%	12.8% 10.6%	11.4% 11.1%	13.6% 10.3%		51.9% 11.1%	30.3% 8.8%	12.4% 11.8%	24.6% 8.8%	-11.8% 9.7%	2.7% 8.2%	
[Large System Integrators]															
6501 Hitachi Digital Systems & Services (DSS)	Sales	2,832,584	2,940,000	3,291,900	3,579,000	3,890,100	3,190,000		823,300	617,400	708,800	714,900	898,912	668,650	
	%y-y	9.0%	3.8%	12.0%	8.7%	8.7%	8.5%		6.2%	-2.6%	4.5%	2.6%	9.2%	8.3%	
	Adjusted OP	374,700	430,000	477,100	524,700	572,900	480,000		124,400	61,800	105,200	116,875	159,200	97,011	
	%y-y OP margin	20.6% 13.2%	14.8% 14.6%	11.0% 14.5%	10.0% 14.7%	9.2% 14.7%	11.6% 15.0%		19.2% 15.1%	-16.1% 10.0%	22.9% 14.8%	28.6% 16.3%	28.0% 17.7%	57.0% 14.5%	
6701 NEC	Sales	3,423,431	3,582,733	3,596,000	3,755,000	3,916,000	3,500,000		1,101,622	715,658	854,121	858,000	1,160,416	740,000	
	%y-y	-1.5%	4.7%	0.4%	4.4%	4.3%	-2.3%		1.6%	3.7%	7.3%	2.7%	5.3%	3.4%	
	OP	256,497	359,913	419,000	467,000	518,000			130,331	35,389	83,181	66,591	174,752	39,000	
	%y-y OP margin	36.4% 7.5%	40.3% 10.0%	16.4% 11.7%	11.5% 12.4%	10.9% 13.2%			10.3% 11.8%	679.5% 4.9%	107.2% 9.7%	-18.3% 7.8%	34.1% 15.1%	10.2% 5.3%	
6702 Fujitsu	Non-GAAP OP	311,301	397,234	443,000	490,000	540,000	420,000		148,966	39,995	87,494	82,382	187,363	45,000	
	%y-y	36.8%	27.6%	11.5%	10.6%	10.2%	5.7%		16.2%	145.4%	80.2%	-15.5%	25.8%	12.5%	
	OP margin	9.1%	11.1%	12.3%	13.0%	13.8%	12.0%		13.5%	5.6%	10.2%	9.6%	16.1%	6.1%	
	Sales	3,550,116	3,502,971	3,484,000	3,667,000	3,849,000	3,510,000		1,142,134	749,859	816,683	884,642	1,051,787	738,000	
6702 Fujitsu	%y-y	2.1%	-1.3%	-0.5%	5.3%	5.0%	0.2%		9.6%	-1.2%	3.0%	3.4%	-7.9%	-1.6%	
	OP	265,089	348,329	415,000	483,000	552,000	415,000		159,200	33,486	71,859	105,656	137,328	36,500	
	%y-y	77.5%	31.4%	19.1%	16.4%	14.3%	19.1%		37.8%	133.7%	150.7%	68.2%	-13.7%	9.0%	
	OP margin	7.5%	9.9%	11.9%	13.2%	14.3%	11.8%		13.9%	4.5%	8.8%	11.9%	13.1%	4.9%	
NTT Data (Global Solution segment in NTT)	Adjusted OP	307,265	390,589	425,000	493,000	562,000	425,000		170,184	35,119	86,208	107,836	161,426	39,000	
	%y-y	15.8%	27.1%	8.8%	16.0%	14.0%	8.8%		6.9%	111.9%	74.1%	51.9%	-5.1%	11.1%	
	OP margin	8.7%	11.2%	12.2%	13.4%	14.6%	12.1%		14.9%	4.7%	10.6%	12.2%	15.3%	5.3%	
	Sales	4,638,721	5,004,614	5,206,000	5,451,000	5,682,000	5,190,000		1,230,965	1,104,369	1,256,098	1,283,336	1,360,813	1,166,000	
NTT Data (Global Solution segment in NTT)	%y-y	6.2%	7.9%	4.0%	4.7%	4.2%	3.7%		3.3%	-0.7%	11.4%	9.9%	10.5%	5.6%	
	OP	323,862	488,211	470,000	530,000	590,000	470,000		87,881	57,786	211,192	115,225	104,008	60,000	
	%y-y	4.6%	50.7%	-3.7%	12.8%	11.3%	-3.7%		-21.9%	-1.4%	133.7%	32.5%	18.4%	3.8%	
	OP margin	7.0%	9.8%	9.0%	9.7%	10.4%	9.1%		7.1%	5.2%	16.8%	9.0%	7.6%	5.1%	
4704 Trend Micro	Gain on sales of DC		129,500	70,000	70,000	70,000	70,000					129,500			
	OP (excl. gain on sales of DC)		358,711	400,000	460,000	520,000	400,000					81,692			
	%y-y		10.8%	11.5%	15.0%	13.0%	11.5%					-9.6%			
	OP margin		7.0%	7.6%	8.3%	9.0%	7.5%					6.5%			
Company		Results (FY ended Dec)		GSE					CoE	CY25			CY26		
		24/12	25/12	26/12	27/12	28/12		26/12	1-3	4-6	7-9	10-12	1-3	4-6E	
4704 Trend Micro	Sales	272,638	275,984	300,000	312,500	325,600	301,500		67,501	66,408	68,844	73,231	73,856	72,890	
	%y-y	9.6%	1.2%	8.7%	4.2%	4.2%	9.2%		2.4%	-3.2%	1.1%	4.6%	9.4%	9.8%	
	OP	48,105	57,777	55,000	58,000	61,200	56,400		15,006	13,466	16,002	13,303	15,558	12,890	
	%y-y OP margin	47.6% 17.6%	20.1% 20.9%	-4.8% 18.3%	5.5% 18.6%	5.5% 18.8%	-2.4% 18.7%		23.7% 22.2%	9.4% 20.3%	8.1% 23.2%	50.0% 18.2%	3.7% 21.1%	-4.3% 17.7%	
4768 Otsuka	Sales	1,107,668	1,322,791	1,348,800	1,391,200	1,451,600	1,311,000		315,541	379,591	310,587	317,072	344,753	376,400	
	%y-y	13.3%	19.4%	2.0%	3.1%	4.3%	-0.9%		18.3%	25.3%	23.0%	11.1%	9.3%	-0.8%	
	OP	74,360	89,943	88,000	93,000	99,000	90,000		21,175	27,998	17,356	23,414	23,505	27,000	
	%y-y OP margin	18.1% 6.7%	21.0% 6.8%	-2.2% 6.5%	5.7% 6.7%	6.5% 6.8%	0.1% 6.9%		22.8% 6.7%	29.6% 7.4%	30.2% 5.6%	5.5% 7.4%	11.0% 6.8%	-3.6% 7.2%	
Company		Results (FY ended Jun)		GSE					CoE	CY25			CY26		
		24/6	25/6	26/6	27/6	28/6		26/6	1-3	4-6	7-9	10-12	1-3	4-6E	
4478 freee	Sales	25,431	33,271	42,260	50,880	60,100	41,930		8,600	9,420	9,744	10,198	10,902	11,417	
	%y-y	32.3%	30.8%	27.0%	20.4%	18.1%	26.0%		29.3%	34.4%	32.1%	29.5%	26.8%	21.2%	
	OP	-8,387	611	1,040	3,300	6,000			316	-573	272	260	91	417	
	%y-y OP margin	N.M. -33.0%	N.M. 1.8%	70.2% 2.5%	217.3% 6.5%	81.8% 10.0%			N.M. 3.7%	N.M. -6.1%	27.2% 2.8%	-60.3% 2.5%	-71.1% 0.8%	N.M. 3.7%	
4478 freee	Adjusted OP	-7,562	1,885	2,540	5,100	8,100	2,520		659	-230	690	662	445	743	
	%y-y	N.M.	N.M.	34.7%	100.8%	58.8%	33.7%		N.M.	N.M.	43.8%	-32.2%	-32.5%	N.M.	
	OP margin	-29.7%	5.7%	6.0%	10.0%	13.5%	6.0%		7.7%	-2.4%	7.1%	6.5%	4.1%	6.5%	

NEC's non-GAAP operating profits/losses are operating profits + amortization of intangible assets associated with acquisitions, etc. + one-off gains/losses such as structural reform costs, Fujitsu's adjusted operating profits/losses are operating profits + one-off gains/losses such as structural reform costs, and for reference, we have included adjusted operating profits

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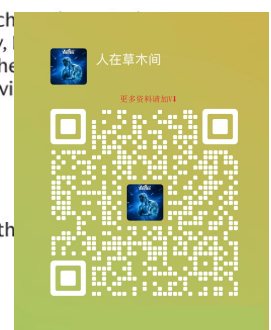
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