# Internet Initiative Japan Inc. Corporate Overview

# Mizuho Investment Conference 2018 (Tokyo)

September 2018 TSE1: 3774 NASDAQ: IIJI

Ongoing Innovation

Internet Initiative Japan Inc.

## Outline

### Strengths and competitive advantages

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## Internet Technology Initiatives in Japan

Established	December 1992
Number of Employees	<b>3,367</b> (approx. 70% engineers) Consolidated
Listed Markets	NASDAQ (IIJI), TSE1 (3774)
Large Shareholders	NTT group (26.0%), Dalton (7.3%), CEO Suzuki (5.6%*) *Jointly owned by Mr. Suzuki's wholly owned private company

### • The first established full-scale ISP (Internet Service Provider) in Japan

- Introduced many prototype Internet-related network services
- Highly skilled IP (Internet Protocol) engineers
- Self-develop services and the related back office facilities

### "IIJ" brand towards blue-chips

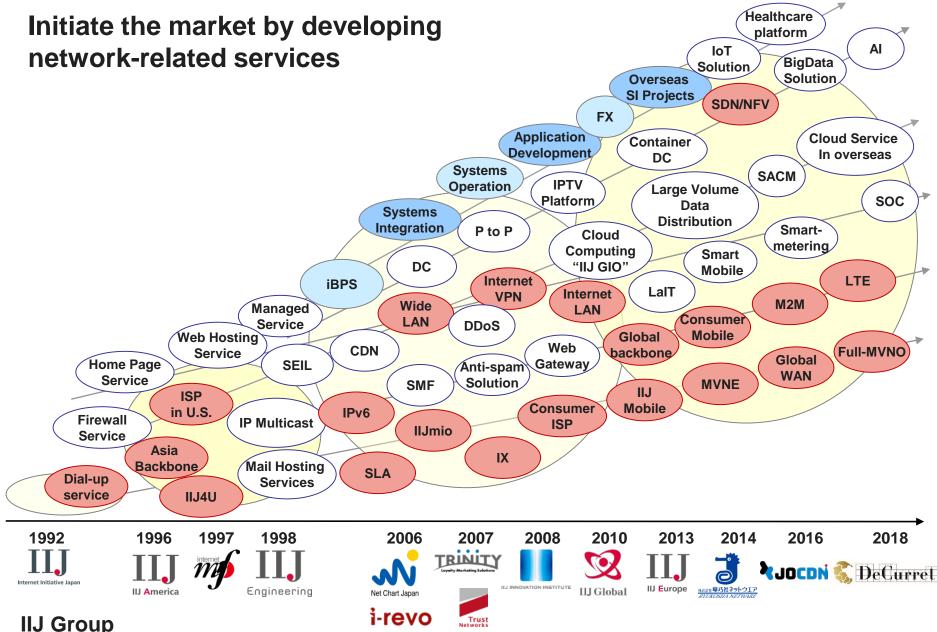
- Mainly large enterprises and governmental organizations
- Differentiate by reliability and quality of network and systems operation
- Long-term client relationship with no serious systems troubles

### At the leading edge of IP R&D

- Differentiate by continuous service developments and business investments
- Enhancing cloud, mobile, security, CDN (Contents Distribution Network) and solutions related to bigdata and IoT
- Participate in world-wide research and organizations ...and many more

## **Technology and Service Developments**

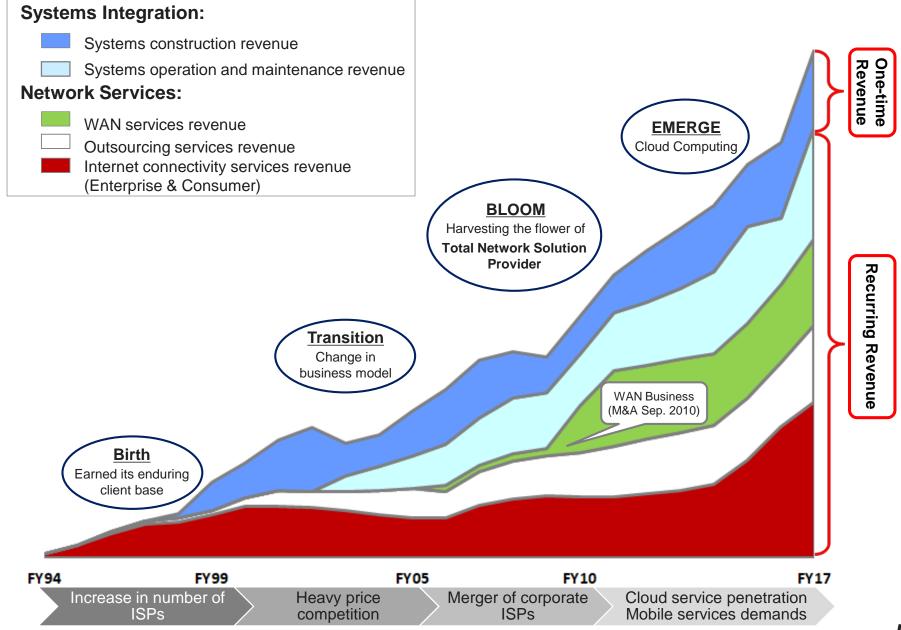
**About IIJ** 



#### Internet Initiative Japan Inc.

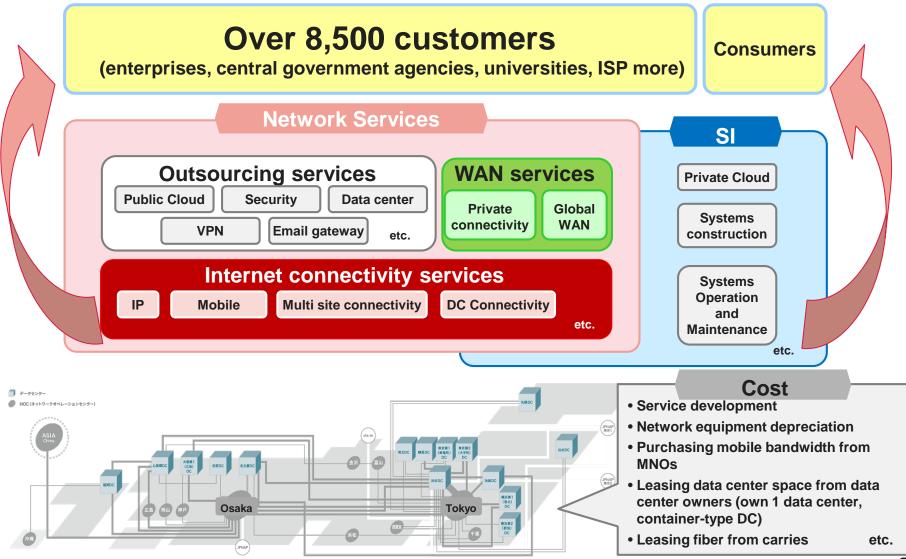
## **ISP to Total Network Solution Provider**

**About IIJ** 



## **Business Model**

### Leveraging Internet-related technology Total network solution provider with services and SI



**About IIJ** 

## **Excellent Customer Base with Many Blue-Chips**

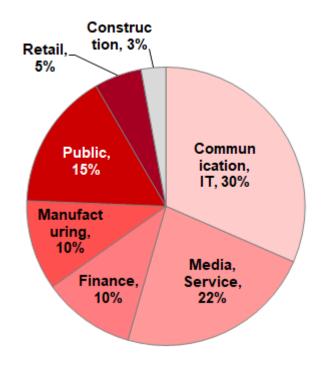
Competitive Advantages

**Cover Most of Top Revenue Companies** 

**Revenue Distribution by Industry** 

The number of clients among the top 10 companies in each industry.





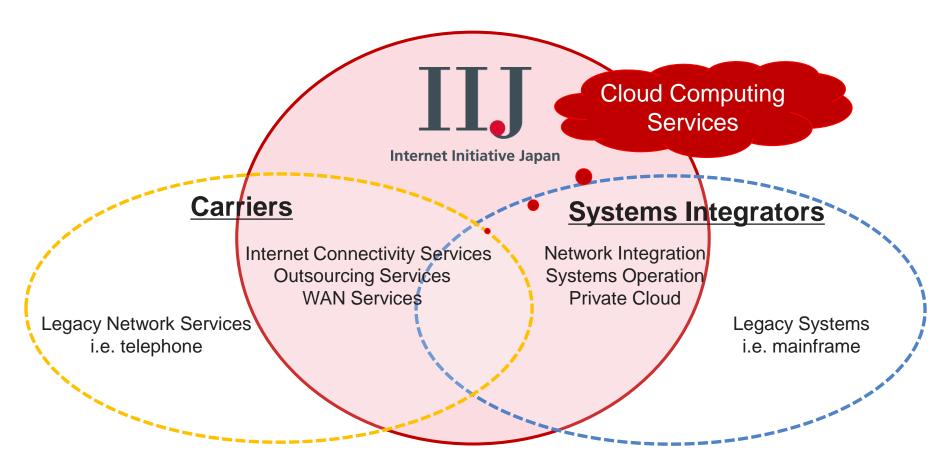
Source: IIJ's FY2017 Financials

### **Comprehensive Line-ups of IT services**

Competitive Advantages

Revenues		Services	Business status
	Internet Connectivity (Enterprise)	<ul> <li>Primary connectivity for head offices</li> <li>High-performance dedicated connectivity</li> <li>Redundant connectivity for multi-site</li> </ul>	<ul> <li>Dominate the matured market</li> <li>Revenue gradually increase with greater contracted bandwidth/traffic</li> <li>Anticipate to grow with CDN traffic &amp; further cloud service penetration</li> <li>Continuous network expansion</li> </ul>
NW Services	Internet Connectivity (Consumer)	<ul> <li>Mobile solutions, M2M/IoT, MVNE for enterprises</li> <li>Inexpensive SIM card services for consumers</li> </ul>	<ul> <li>Accumulate subscription with MVNE and IoT</li> <li>Further capture IoT demand with full- MVNO supporting data services</li> </ul>
	WAN	Closed NW for multi-site connection	Stable market for long term
	Outsourcing	<ul> <li>Security, data center, email outsource, NW/Server management service line-ups etc.</li> <li>Over 60 in-house developed services</li> </ul>	<ul> <li>Cross-sell and accumulate various outsourcing services</li> <li>Growing demands for security</li> <li>Continuous service development</li> </ul>
SI	Operation & Maintenance	<ul> <li>Full service line-ups for laaS</li> <li>SaaS/PaaS with partners</li> <li>Hybrid/Multi cloud solutions</li> <li>BigData, IIJ Raptor (FX application) etc.</li> </ul>	<ul> <li>Competitive advantage of SI with multi/private cloud</li> <li>Continuous service enhancement including GIO P2</li> </ul>
	Construction	<ul> <li>Internet-related SI, NW integration</li> <li>Cloud-related, mobile-related SI</li> <li>Operation &amp; maintenance after construction</li> </ul>	• Value-added functions to promote cloud, mobile systems etc.
Equipment Sales			

### **Cover Corporates' New IT Services Demands with reliable operation**



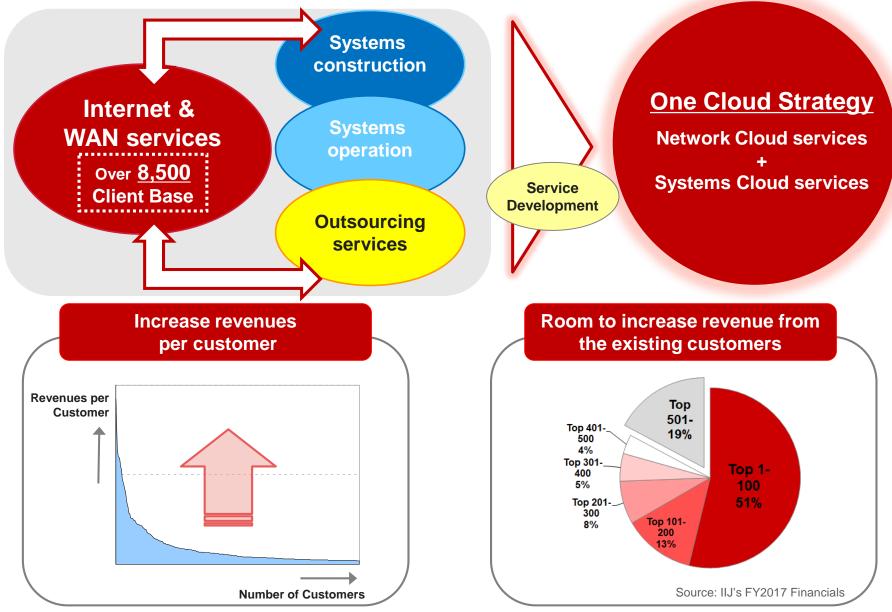
### **IIJ's differentiation points towards competitors**

- Many highly skilled network engineers
- Corresponds to the Internet market rapidly
- Unbureaucratic organization structure

- Operates network facilities by ourselves
- Develops network services
- Moderate number of employees

### Leveraging Blue-chip Customer Base

Growth Strategy

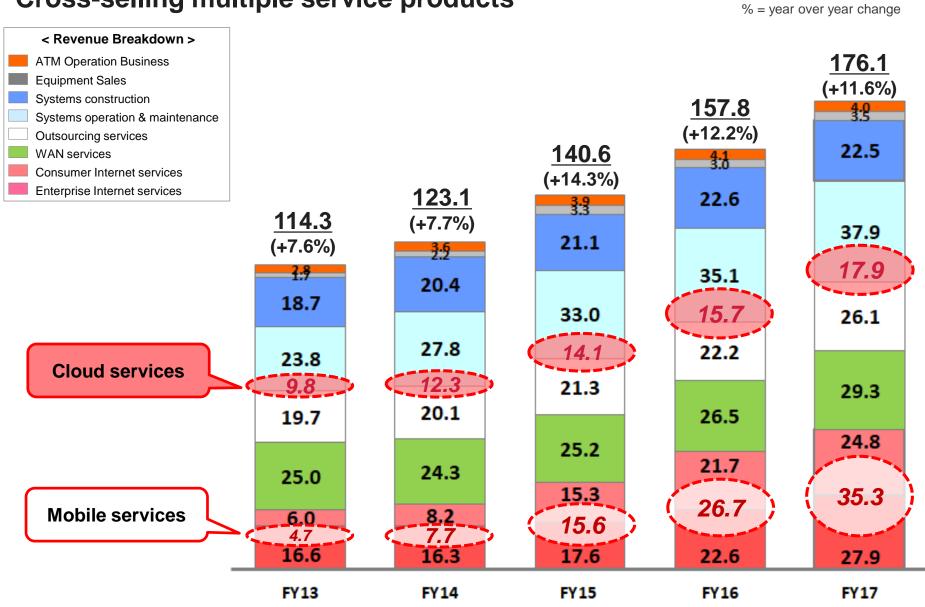


## **Leveraging Blue-chip Customer Base**

**Cross-selling multiple service products** 

Growth Strategy

Unit: JPY billion



## **Cloud Business**

#### **Cloud Market in Japan**

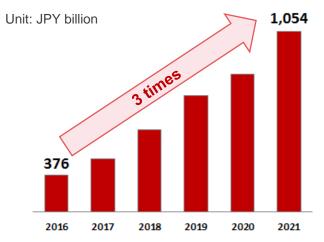
- Cloud penetration among Japanese enterprises
  - 56.9% as of 2017-end, 33.0% as of 2013-end (MIC)
- Some advanced and mission critical enterprise systems on cloud services
- Average system life cycle: 5 years
  - Enterprises consider re-investing in their on premise systems or migrate to cloud service when their existing systems approach to the end of life
- Systems don't migrate at once, especially large internal systems
  - Customization (SI) is required when migrating to cloud
- Great business opportunity with IoT and BigData

### **IIJ's Competitive Advantages**

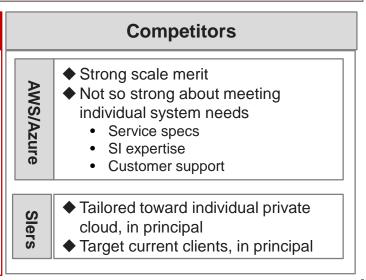


- ◆ Integrate full-MVNO (data services), security, SI and other IIJ services
- Operate and manage not only IIJ's cloud services but also other venders' cloud services and on premise systems seamlessly
- Target blue-chip's large internal IT systems which are traditionally covered by Slers
- Experience, reputation
  - > One of the first cloud service provides in Japan (since FY2010)
- Reliable operation
- Deep relationships with blue-chip customers
  - Leverage network service clients customer base
- Various options for CPUs/OSs/storage/network usage etc.



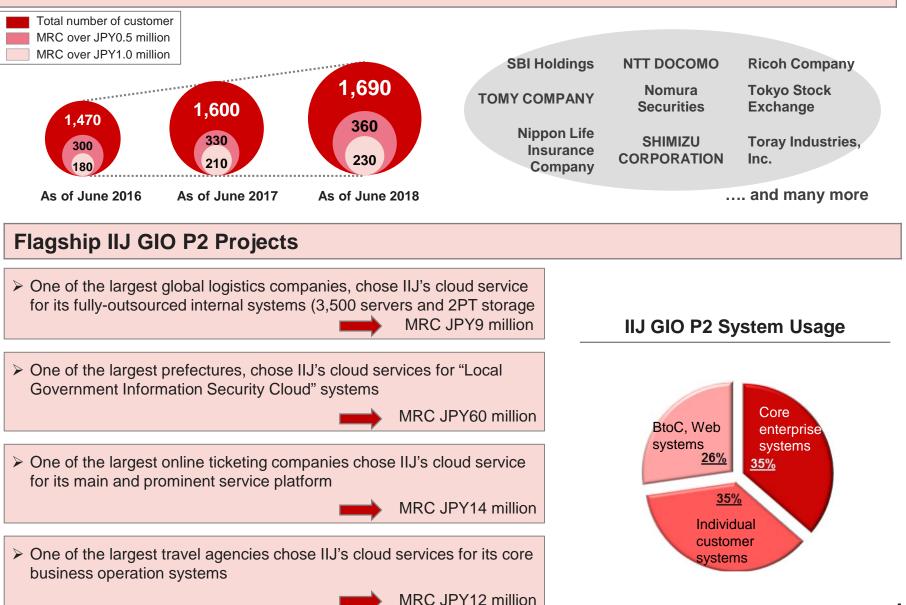


Published in Mar. 2017 by IDC Japan "Domestic Public Cloud Market Estimation revenue-base (2016-2021)"



## **Cloud Business**

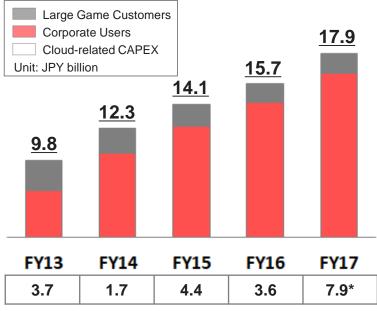
### **IIJ's Cloud Customer Base**



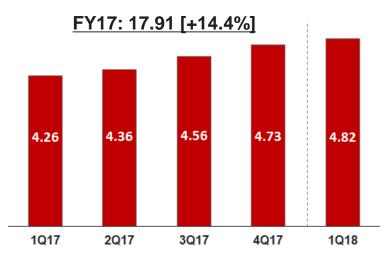
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## **Cloud Business**

### IIJ's Cloud Revenue Growth



\*Including GIO P2 facility in Western Japan of approx. JPY3 billion which is for FY18 usage



#### **Business model**

#### Revenue

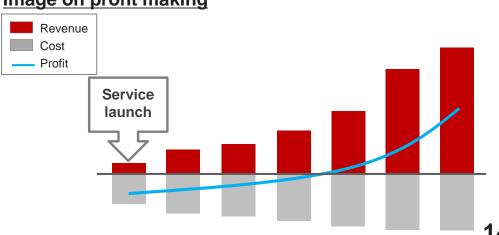
- > Enterprise systems life cycle: 4 to 5 years on average
- Along with Japanese enterprises' internal IT systems migration to cloud, types of systems IIJ can deal should expand
- Revenue depends on system volume (i.e. number of cloud servers)
- Revenue to expand along with increase in customers and system volume

#### Cost

Leasing fee for data center space, depreciation and amortization cost for services and other network equipment, outsourcing cost and personnel costs

#### Profit

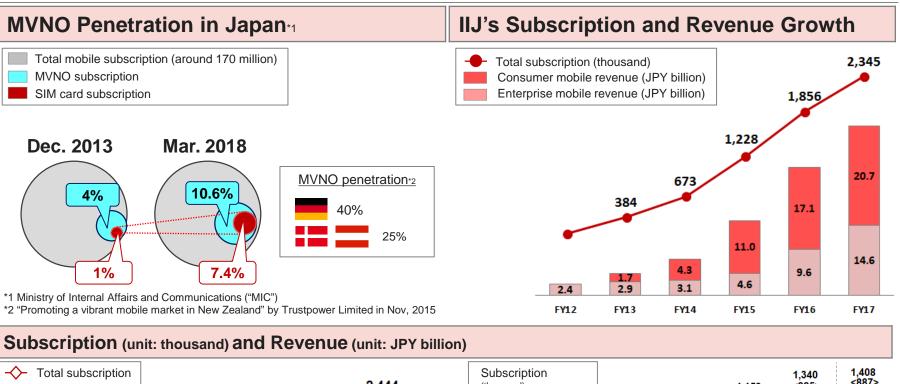
- Currently very low profitability as still in investment phase (need to expand service facility and develop services)
- Should be able to enjoy economy of scale once large volume of cloud services are used by customers



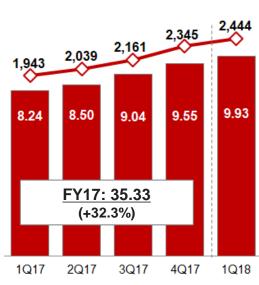
#### Image on profit making

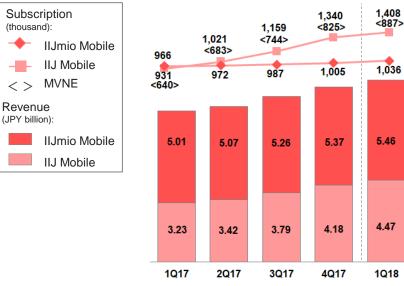
Internet Initiative Japan Inc.

### **Mobile Business**



Total revenue





Internet Initiative Japan Inc.

## **Mobile Business**

### **Overall business developments**

- ◆ 1Q18 subscription acquisition pace almost in line with plan
- Strong demands for headsets-bundle services
- Additional expansion of mobile interconnectivity bandwidth to improve connectivity (Jul.)

### **Business model**

#### Revenue

- Expect consumer market to grow as currently only 7% are SIM card subscribers
  - Consumer mobile revenue = Subscription multiplied by ARPU
- Enterprise mobile revenue to grow with IoT/M2M traffic
  - Charge IoT projects by how much data traffic is needed for that usage

#### Cost

- Consumer & enterprise mobile services are provided from the same mobile infrastructure
- Mainly buying mobile capacity on bandwidth-base from NTT Docomo (some from KDDI)
- In order to provide voice services, we purchase per usage base (no economy of scale merit)
- > Sales commission expenses to sales partners
- Gross margin ratio tends to decrease along with expansion of MVNE business because we sell down our mobile services lower than market price

#### Profit

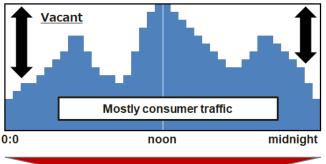
- Profitability to increase by improving infrastructure utilization through gathering various consumer & enterprise traffic.
- Continues to be profitable but still low profitability as continuously expanding infrastructure to meet the peak traffic of consumers

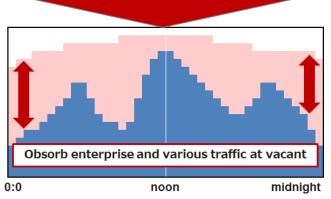
### **IIJ's Growth Strategy**

- Improve mobile infrastructure utilization by gathering IoT/M2M & various consumer traffic\*
  - Launched full-MVNO services (supporting data services) targeting further IoT traffic (private global network, inventory control with flexible billing management for IoT usage, direct overseas roaming, chip SIM etc.)
  - 137 MVNE clients as of Mar. 2018 (retailers, CATV, EC vendors, SIers, manufacturers etc.)

\*young, old, student, households, business persons etc.

#### Image on mobile infrastructure utilization





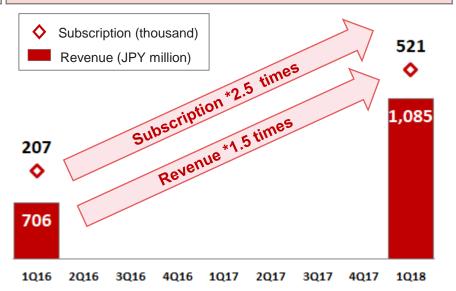
## **Mobile Business**

- IIJ started providing enterprise mobile solutions from 2008 by becoming the 1<sup>st</sup> MVNO in Japan to connect Docomo's mobile network
  - Wireless solution to enterprise customers
  - Leveraging blue-chip customer base
  - Provide with SI, if necessary
- Accumulating IoT-type M2M projects continuously
  - Security cameras, digital signage, BtoC service handy devises, large-scale solar panel monitoring, ticket vending machine etc.

#### Enterprise Mobile Revenue (excluding MVNE)

Growth

Strategy



### First in Japan to launch full-MVNO services supporting data services

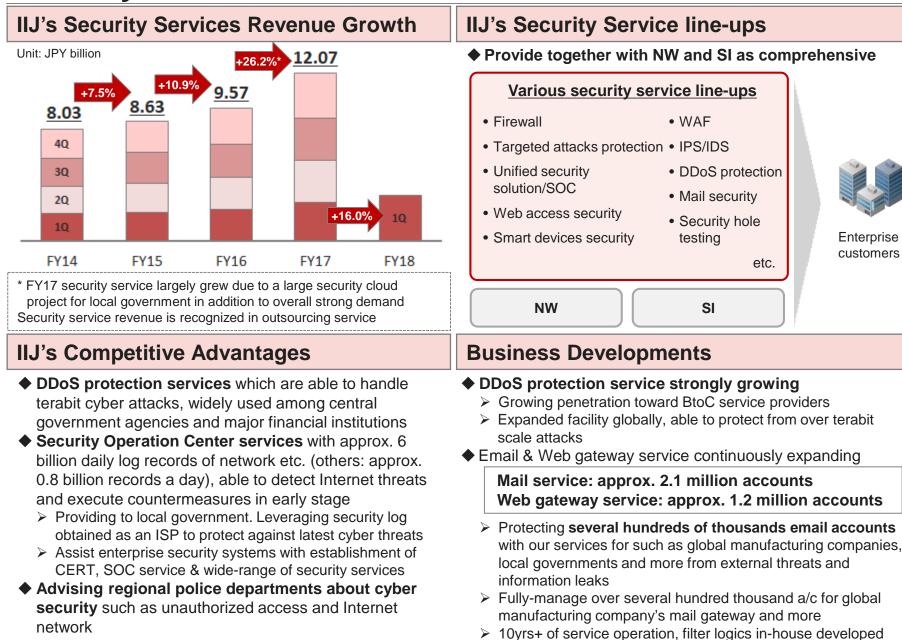
#### > Updates on full-MVNO services

- "SIM Life Cycle Management" (from Mar.); able to remotely check and change status of SIMs, suited for IoT usages such as inventory management
- Small data volume-bundle services targeting IoT usages (from Aug.)
- Started trial of eSIM platform on Microsoft Surface, official service to be launched in spring 2019
- "Japan Travel SIM" (from Apr.); prepaid SIMs for foreigners visiting Japan, partnering with local partners in Asian countries to provide SIMs before tourists leave their home counties
- International roaming services for enterprise customers (from Jul.)

#### > Fixed-type cost increased by over JPY0.3 billion in 1Q as planned

- > 1Q revenue JPY0.09 billion, FY18 revenue target of approx. JPY0.5 billion
- Expected total investment: approx. JPY4.5 billion
  - HSS/HLR systems depreciation
  - NTT DOCOMO's network remodeling fee

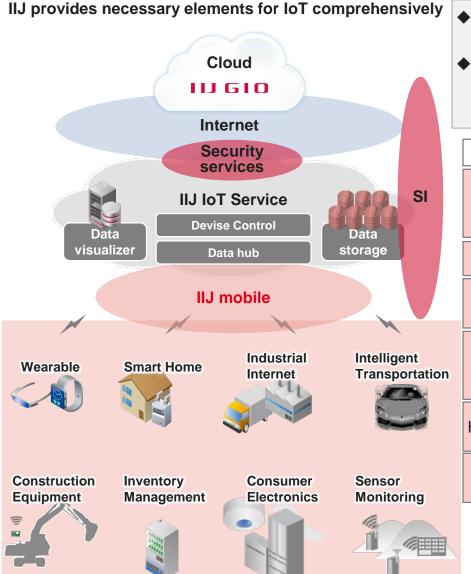
## **Security Business**



## **IoT Business**

### IIJ as IoT platform

### **Further Accumulation of IoT Projects**



- IoT-related discussion & PoC prj. with our blue-chip customers as they seek business opportunities with IoT
- Prospective orders increasing after the announcement of to engage in full-MVNO supporting data services

#### FY17- end: over 320 projects

	Sector	Examples of usage			
	Factory	<ul> <li>Remote mgmt. and control of factory facility</li> <li>Predict machine failures, reduction in maintenance cost</li> </ul>			
	Agri.	Paddy mgmt. (control of water level & temp.)			
	Log.	<ul> <li>Mgmt. of vehicle location &amp; delivery status</li> <li>Connected Cars, data monitoring of racing cars</li> </ul>			
on	Retail	<ul> <li>Analysis on consumers' movement from in- store cameras to create marketing data</li> <li>Monitoring waiting customers</li> </ul>			
	Housing	<ul> <li>Mgmt. of electricity with info from smart-meter</li> <li>IoT to consumer electronics and nursing care</li> </ul>			
	Others	<ul> <li>Mgmt. for solar panels &amp; windmills</li> <li>Tracing products</li> </ul>			
		<ul> <li>&lt; Glossary &gt; Agri. Agriculture</li> <li>PoC Proof of Concept Log. Logistics</li> <li>Prj. Projects Inst. Institution</li> </ul>			

Mgmt.

Temp.

Management

Temperature

Govt.

a/c

Government

account

## **FinTech Business**

### **Company Profile**

Name	DeCurret Inc. (IIJ ownership 35%)
Est. January 2018	
Capital JPY5.23 billion (as of mid-Feb.)	
Directors	President: Kazuhiro Tokita (IIJ senior managing executive officer)
	Part-time directors: IIJ CEO, IIJ COO, IIJ CFO

### **Business**

- Provide cryptocurrency exchange & settlement services altogether
- Exchange service (from FY18)
  - 24 hours 365 days exchange platform to exchange various cryptocurrencies, mainly for consumers
  - ✓ Revenue: bid-ask spread
  - ✓ Cost: service infrastructure
  - ✓ Competitive advantage: highly reliable system, low bidask spread, and meeting security requirement such as AML/KYC\* with existing IIJ services that have been used by major financial and central government agencies for many years

#### Settlement service (from FY19)

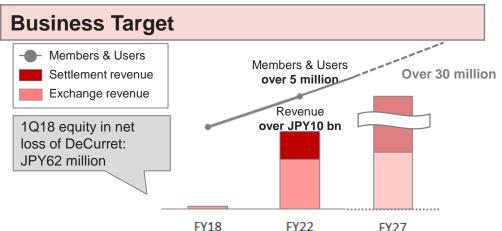
- Cryptocurrency settlement at location such as Ecommerce, retail shops, BtoBtoC and BtoC business model
  - ✓ Co-working with capital partners
  - $\checkmark\,$  Revenue: bid-ask spread and system usage
- AML(Anti-Money Laundering). KYC(Know Your Customer) refers to a procedures to verify customer, which is required when opening accounts. In cryptocurrency transaction, KYC is performed through blockchain which reduces the hassle and cost for identity verification.

### **Competitive Advantages**

- Trading system leveraging the existing IIJ Raptor system
  - Top share ASP FX (Foreign Exchange) system in Japan, proving to 13 major Japanese financial institutions
    - ✓ Core-engine, dealing system, connecting multiple FX exchanges, investor service platform, operator management function etc.
  - Able to launch services by expanding IIJ Raptor function
    - ✓ Approx. 70% of DeCurret service system is leveraged from the existing IIJ Raptor system

#### > Executing business with prominent capital partners

- Expect to include electronic money, bank coins and more
- $\checkmark\,$  Aim to be a common platform for partners' cryptocurrency distribution
- Future potential: connecting payment data and accounting, smart contract, BtoB settlement and more by leveraging blockchain technology



#### Impact on IIJ's consolidated financial results etc.

<PL> Impacted by equity in net income/loss of equity method investees

- FY18: Assume approx. JPY0.6 bn equity in net loss
- FY19: Equity in net loss to become smaller
- FY20: Turn positive, equity in net income to expand thereafter

#### <Business>

Raptor & cloud to grow, IIJ owns 35% of DeCurret's value

## **FinTech Business**

#### **Shareholders of DeCurret**

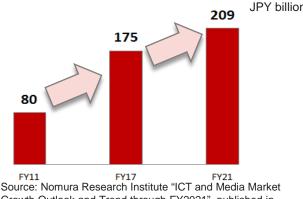
Internet Initiative Japan	/TOCHU	QTnet	K-OPTI.COM
	By your side, for life DAI-ICHILIFE Dai-ichi Life Grou	_	大和証券グループ本社 Daiwa Securities Group Inc.
東京海上日動	💠 NISSAY	NOMUR	A JR-EAST
<b>BIC CAMERA</b>	MS&AD Mitsui Sumitomo	Insurance	SMBC SUMITOMO MITSUI BANKING CORPORATION
🍐 Mitsui Fudosan	• MUFG Bank o	f Tokyo-Mitsubishi UF.	l
YAMATO HOLDINGS CO	D., LTD.		entsu

## **CDN (Contents Distribution Network) Business**

### **CDN Market in Japan**

- Growing needs to distribute contents over Internet
  - 4K/8K and high-definition contents to increase towards the Tokyo Olympics
- Broadcasting companies distributing contents via Internet
  - Nippon TV owns Hulu Japan,
  - Broadcasting companies operate "TVer"
- Akamai strong in Japan CDN market, no prominent Japanese provider currently
- IIJ has rich and long experience in CDN business
  - Olympics games, high school base ball games, and many more

### **CDN Market Growth in Japan**



Source: Nomura Research Institute "ICT and Media Market Growth Outlook and Trend through FY2021", published in Nov. 2015

### JV with Japanese Major Broadcasting Companies

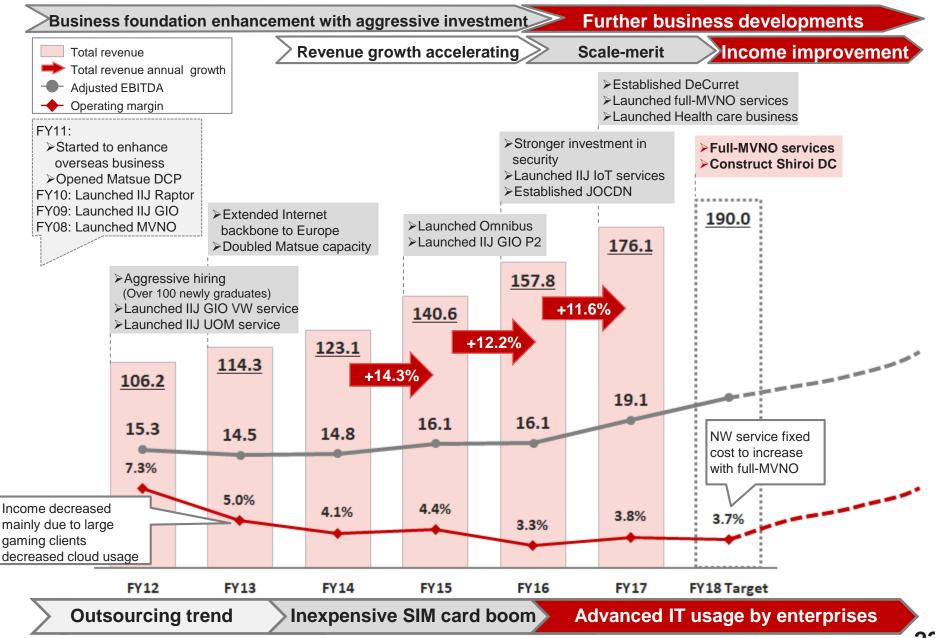
Co	mpany name	JOCDN Inc.
Ca	pital	JPY710 million
Est	tablishment	December 1, 2016
Sh	areholders	IIJ (20%), Nippon TV (14%), TV asahi (14%), TBS (14%), TV Tokyo (14%), Fuji TV (14%) and 10 more
Ма	inagement	Chairman: Koichi Suzuki (IIJ) President: Shunichi Shinozaki (Nippon TV)
Bu	siness	<ul> <li>Provide a video content distribution platform service for use within Japan</li> <li>Construct and operate broadcasting systems</li> </ul>
Inte	IIIJ ernet Initiative Japan	Enterprise Internet connectivity Ownership 20% CDN service
	<u>Nippon TV</u> <u>Hu</u> Fuji Televis	<u>TV asahi</u>

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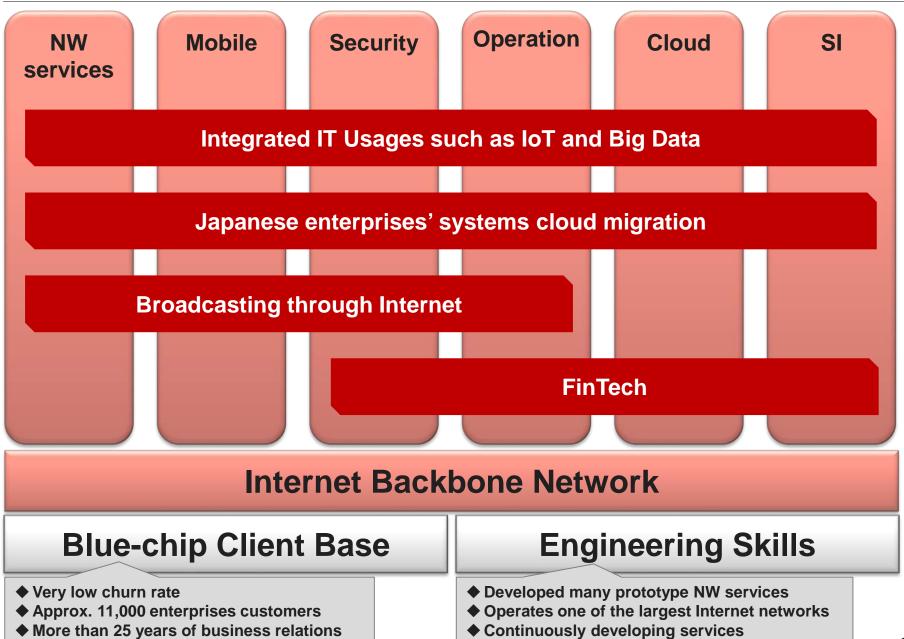
### **Mid-to-Long term Business Growth**

Unit: JPY billion

Growth Strategy



### **Established Business Elements Ready for Coming IT Future**



## Summary of 1Q18 Financial Results

Summary of Twio Financial Results					
	<b>1Q</b> 1	8 (3 months) Res	ults	bn = billion, % =Yea	r over year comparison
Revenue	JPY44.7 bn +9.1%	% Adjusted E	BITDA(*1)	JPY4.5 bn	+9.1%
Gross margin	JPY6.8 bn +3.9%	6 Adjusted p	re-tax income( <u>※</u> )(*2)	JPY1.2 bn	+11.4%
Operating income	JPY1.2 bn +4.9%	6 Adjusted no	et Income( <mark>※)</mark> (*3)	JPY0.8 bn	+14.2%
(※)	Adjusted incomes exclude effe	ect of the revision of U.S G	AAP related to gains/losses o	n marketable equity	y securities and funds
	Busir	ness Developn	nents		
<ul> <li>Good start for enterprise services from 1Q</li> <li>Strong demands for security; revenue increased by 16.0%</li> <li>DDoS Protection, Virtual desktop, SOC (Security Operation Center), Email &amp; Web security in particular led the growth</li> <li>Omnibus &amp; WAN services revenue grew by accumulating demands to replace enterprise network</li> <li>Cloud revenue +13.1%, Unified Operation Management (UOM) and VMware virtualization platform services continued to grow</li> </ul>					
Full-MVNO & IoT services c	· · · ·				
Providing "SIM Life Cycle Management," IoT-targeted data communication package, pre-paid SIMs for inbound tourists, and international roaming services					
Accumulating IoT sales prospects and PoC (Proof of Concept) such as network camera connection, remote monitoring, traceability, detection of early symptoms, agriculture and fishery					
Providing IIJ IoT platform services and other IIJ services to JV with Chubu Electric Power; connected home services to be launched (fall)					

#### Favorable IT appetite & order situation continued from FY2017: order-received for systems construction +13.3%

- Received large scale SI orders such as network updates/replacements from central government agency, prominent manufacture, major broadcasting company etc.
- To improve system engineers productivity rate & SI profitability, implemented re-organization & even stricter control measures
   Realignment of system engineers, integration of network services and SI

DeCurret working as planned on system developments & preparation for registration to launch services in FY18 JOCDN handles increasing traffic along with growing demand for distributing contents on Internet, Leveraging credibility of IIJ network

### Financial Results ~Resulted as planned~

- Continued to achieve strong year over year revenue growth; total revenue +9.1%, recurring revenue +11.4% (hi-ho unconsolidation negatively impacted the revenue growth rate by over 1 point)
- Operating income increased from 1Q as overall gross margin absorbed the increase in fixed cost related to full-MVNO of over JPY0.3 billion per quarter

<sup>(\*1)</sup> Operating income before depreciation and amortization, (\*2) Pre-tax income is an abbreviation for income before income tax expense (\*3) Net income is an abbreviation for net income attributable to IIJ

#### **Financials**

### Aim to increase income with continuous recurring revenue growth while full-MVNO-related costs increase,

Seek significant income growth in FY19 by strengthening revenue accumulation

	% of Revenues	% of Revenues			
	FY17 Results	FY18 Target	YoY Change		
		•		•	m
	(Apr. 2017 - Mar. 2018)	(Apr. 2018 - Mar. 2019)			nt
Total Revenues	176.1	190.0	+13.9	+7.9%	Enterprise NW
	84.0%	84.3%			Z
Total Cost of Revenues	147.8	160.2	+12.4	+8.4%	<
	16.0%	15.7%			
Gross Margin	28.2	29.8	+1.6	+5.6%	Mob
	12.2%	12.0%			ile
SG&A/R&D	21.5	22.8	+1.3	+6.3%	Mobile & IoT
	3.8%	3.7%			
Operating Income	6.8	7.0	+0.2	+3.5%	
Cash Dividiend per common share	JPY27.00	JPY27.00	-	-	Cloud/S
Overseas: Revenue JPY7.0 billion, OP JPY0.1 billion					

• In addition to NW services and SI, GDPR consultation and others to expand global solution offerings

- Consolidated subsidiaries in Asia as a whole turn positive
- > JOCDN to provide full-scale CDN service

Others

DeCurret plans to launch cryptocurrency exchange service

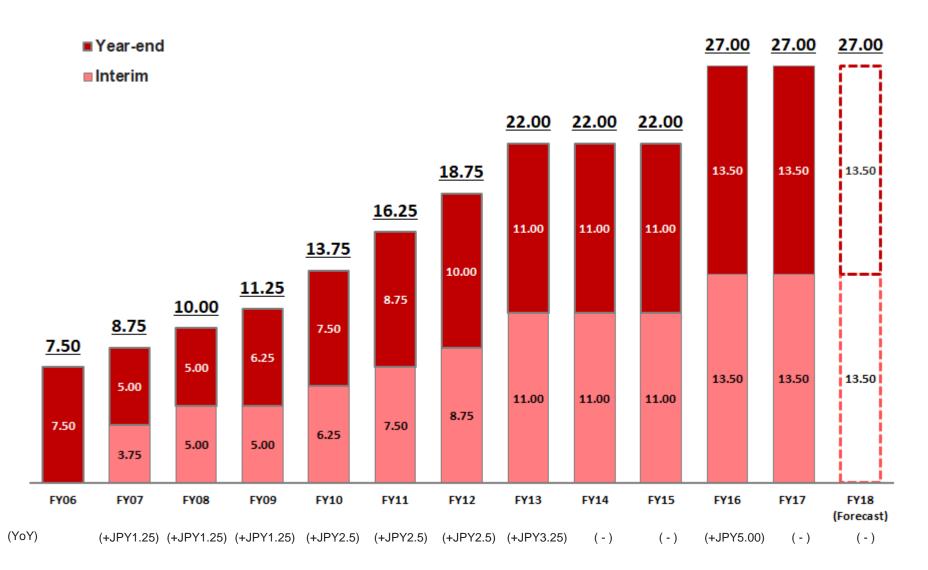
	Target & Assumption
	Strengthen income level with continuous revenue accumulation of already invested service line-ups
≻	Enhance xSP-targeted sales structure
≻	Security services to further increase with DDoS
	protection and SOC

Target & Assumption

- Leveraging security log and cyber threats information obtained as an ISP to apply to our services
- > IP service to expand with CDN traffic through JOCDN
- > Focus on acquiring and gathering enterprise traffic through IoT/M2M
  - Expect mobile profitability to improve in the mid-term
  - · Security, Cloud, SI revenues to increase with IoT projects • MVNE business to grow continuously along with increase
  - in clients and subscription
- Collaborate IIJ IoT Services & full-MVNO functions to establish B2B2X scheme: Leverage case studies to accelerate the penetration
- > SI profitability to improve with an increase in SE utilization rate etc.
- Further enhance to acquire Multi/Private cloud demands
  - Collaboration with NW services such as security
  - Focus on Unified Operation Management (UOM) services
- Cloud revenue JPY20 billion (+11.7% YoY)
  - Cloud gross margin to improve with revenue growth

Accordingly with our basic policy of continuous and stable dividend policy, JPY27.00 per common share

Dividend

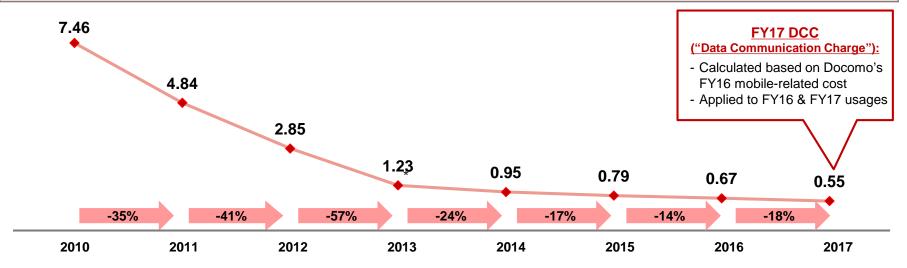


\*IIJ conducted a 1:200 stock split on common stock with an effective date of October 1, 2012. Dividend figures shown below are retroactively adjusted to reflect the stock split.

## Data Communication Charge for MVNO (NTT Docomo)

Appendix

#### NTT Docomo's monthly DCC per 10Mbps



\*From FY16, SIM issue fee has been excluded from the DCC calculation(MVNOs need to pay the fee separately to Docomo)

### IIJ's estimate vs. actual decrease rate

	(1) Docomo's payment arrangement	(2) IIJ's estimation	(3) Actual results
FY14	40%	40%	24%
FY15	25%	15%	17%
FY16	15%	12%	14%
FY17**	15%	14%	18.2%*

(\*) Fixed in March 2018

(\*\*) IIJ's fiscal year ended March 31, 2018

### **MVNO** infrastructure cost for Docomo

- Mobile infrastructure leasing fee from Docomo
- A fixed charge by bandwidth
- Regulated price by the government (MIC & guideline)
- Same flat-rate for all MVNOs
- Renews every year based on Docomo's actual cost etc.
- Continuously decreasing
- Fixed 1 year after, applied to current and a previous year
- FY18 DCC payment has been deducted 15% from 1Q18 by Docomo's arrangement

(1) Fixed in April

(2) Fixed based on (1)

(3) Fixed next March

## Further Business Developments (New DC Construction)

#### **IIJ Data Centers**

- > Operating 21 data centers in Japan (as of Dec. 2017)
  - 20 data centers are leased from data center owners per space
    - $\checkmark\,$  Continuously expanding the facility to meet demands
  - Own 1 data center: Matsue Data Center Park (Shimane prefecture)
    - $\checkmark\,$  Japan's first container-type data center using outside-air cooling system
    - $\checkmark~$  Opened in Apr. 2011, accommodate approx. 500 racks

#### **New Data Center Profile**

Name	Shiroi Data Center Campus
Address	Shiroi city, Chiba prefecture
Land Approx. 40,000m <sup>2</sup> (already acquired)	
Racks	Can accommodate up to 6,000 racks • Phase 1: approx. 1,000 racks with approx. JPY8.0 bn CAPEX
Accommodation	<ul><li>Service facility, data center housing services etc.</li><li>Mainly to meet the middle-to-long term eastern Japan data center demand</li></ul>
Investment FY18 approx. JPY3.0 bn (power receiving facility, common facility racks etc.)	
Plan	Gradually place system module-based*1 facility accordingly with demand
Schedule Begin operations in Spring 2019	
Estimated PUE*2	Less than Matsue DCP's 1.2

\*1 Construction method systematizing the overall building production by standardizing the components used in the buildings' construction. This allows shorter construction times, cost saving, and flexible scalability while maintaining quality

\*2 Power Usage Effectiveness is a metric, calculated by dividing overall data center power consumption by IT equipment power consumption, indicates the efficiency of power use at data centers. The smaller the figure, the lower the percentage of power consumed by equipment other than IT devices.

#### **Purposes**

- Integrate racks, currently spread out in the eastern Japan area's data centers
  - Future cost should be approx. 20% lower than continuously expanding leasing space and with improved operation productivity
- Absorb increasing rack demand along with further penetration of cloud & IoT
- Competitive advantages with latest technologies
  - Improved facility with outside-air cooling technology & AI for cooling & energy control, and automated operations with robotics technology etc.

### New Data Center Image

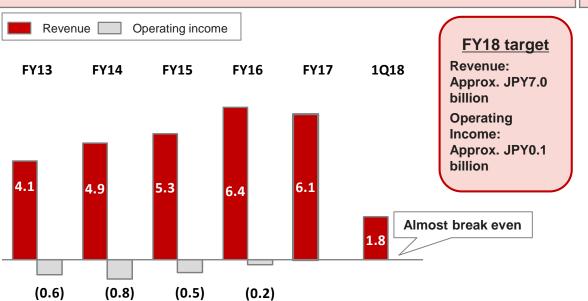


#### Impact on IIJ's consolidated financial results

- While CAPEX and cash flow will be impacted, this is without new investment return risk because it's an integration of our current service facilities
- Suppress incremental cost and ensure business expansion scalability for the future

### **Overseas Business**

**Financials** 



**Overseas offices** 



#### **Business Developments**

- Started focusing on overseas business around FY2011 when Japanese companies who were started expand their business overseas and requested us to provide the same service quality we offer in Japan
- GDPR-related business expanding. 1Q18 revenue volume approx. JPY0.1 billion. Generating cloud and network related orders from consultation
- Provide cloud services in Indonesia, Thailand and Vietnam together with local prominent IT companies
  - With Biznet Networks in Indonesia (from March 2015)
  - With T.C.C. Technology Co., Ltd, in Thailand (February 2016)
  - With FTP Telecom Partner in Vietnam (November 2016)

#### Export container datacenters, Expect transactions to expand in the middle-to-long term

- Exported to Russia (FY15)
- Exported to Laos (FY16)
- Accumulating similar prospective orders from other emerging countries

Unit: JPY billion

## **ATM Operation Business**

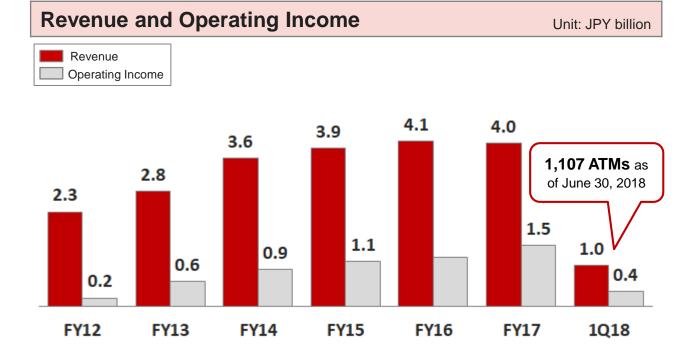
### **Business Model**

- Similar to "Seven Bank" model, high profitability
  - Seven Bank: 24,392 ATMs, revenue JPY127.7 billion, profit ratio 30.0% (as of March 31, 2018)
- > Placing ATMs in Pachinko parlors in Japan with dominant position
  - After long discussion, started to place in Kanto, Kansai, Kyushu and Tokai areas
  - 10,596 Pachinko parlors in Japan as of December 31, 2017 (source: National Police Agency)
- Receive commission for each withdrawal transaction

#### **Trust Networks Inc.**

- In charge of ATM operation business
- ➢ IIJ's ownership: 80.9%
- Established in 2007







#### Internet Initiative Japan Inc.

Appendix

## **Corporate Governance**

-				
Fully Complied with the Sarbanes-Oxley Act	Business Operation Covering the entire Group			
<ul> <li>Have implemented outside directors since 2004</li> <li>Have implemented SOX-based operation from the enactment of the SOX Act</li> <li>Evaluate the effectiveness of internal control over financial reporting based on COSO</li> <li>Report to the U.S. Security and Exchange Commission ("SEC") with the U.S. GAAP</li> </ul>	<ul> <li>&gt; 16 subsidiaries, 8 equity method investees</li> <li>&gt; Implement group-wide Code of Ethics</li> <li>&gt; Pursue comprehensive business operation by assigning IIJ directors as group companies outside directors</li> <li>&gt; Consolidated-based internal audit</li> </ul>			
Directors with Abundant Experience	ESG in the nature of IIJ business			
5 outside directors among 13 BOD members, 6 independent directors among 17 directors & auditors	Have been contributing greatly to establish and expand Internet in Japan as the first comprehensive commercial ISP in Japan			
<ul> <li><b>Dutside directors</b> <ul> <li>T. Tsukamoto Y. Tanahashi</li> <li>Former Chairman of Mizuho Bank</li> <li>Y. Tanahashi</li> <li>Former Chairman of NSSOL</li> <li>S. Oda</li> <li>Former President of HP Japan</li> <li>T. Okamura</li> <li>Former Chairman of Toshiba</li> <li>S. Umino</li> <li>Former President of NTT Comware</li> </ul> </li> <li><b>Based of CPA</b>, Attorney, female auditors</li> <li>Based mainly on base salary, stock option: 8-14%</li> <li>Annual compensation within JPY100 million range</li> </ul>	<ul> <li>Environment         <ul> <li>Contribute significantly by operating stable and reliable Internet</li> <li>Have developed container-based data center which emits much lesser Carbon dioxide compared to traditional building type datacenters.</li> </ul> </li> <li>Social         <ul> <li>Focus on providing a working environment that lets employees to pursue their interested subjects related to network in addition to protecting human rights, health and safety, work-life balance, anti-discrimination.</li> <li>First in Japan to introduce Service Level Agreement on categories of availability, latency, packet loss, and outage notification</li> <li>Governance</li> <li>Board of Auditors is liaison of Whistle-blower system</li> <li>Established code of ethics, regulations to prevent insider-trading, protection of personal information</li> </ul> </li> </ul>			

# 1Q FY2018 Consolidated Financials Results

# Announced on August 8, 2018

### **Consolidated Financials for 1Q18**

**Financials** 

Unit: JPY billion

	% of Revenues	% of Revenues			% of Revenues	% of Revenues
	1Q18 Results	1Q17 Results	Year over Year Change		1H18 Targets	FY18 Targets
	(Apr. 2018 - Jun. 2018)	(Apr. 2017 - Jun. 2017)			(Apr. 2018 - Sep. 2018)	(Apr. 2018 - Mar. 2019)
Total Revenues	44.7	41.0	+9.1%	+3.7	90.0	190.0
Total Cost of Revenues	84.8%	84.1%			84.8%	84.3%
	37.9	34.4	+10.1%	+3.5	76.3	160.2
Gross Margin	15.2%	15.9%			15.2%	15.7%
	6.8	6.5	+3.9%	+0.3	13.7	29.8
SG&A/R&D	12.5%	13.2%			12.4%	12.0%
	5.6	5.4	+3.6%	+0.2	11.2	22.8
Adjusted EBITDA*1	10.0% <b>4.5</b>	10.0% <b>4.1</b>	+9.1%	+0.4	-	-
Operating Income	2.6%	2.7%			2.8%	3.7%
	1.2	1.1	+4.9%	+0.1	2.5	7.0
Adjusted Pre-tax Income*2	2.8%	2.7%				
	1.2	1.1	+11.4%	+0.1	-	-
Adjusted Net Income*2,*3	1.7% <b>0.8</b>	1.6% <b>0.7</b>	+14.2%	+0.1	-	-

\*1: Operating income before depreciation and amortization

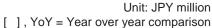
\*2: Adjusted incomes exclude effect of the revision of U.S GAAP related to gains/losses on marketable equity securities and funds

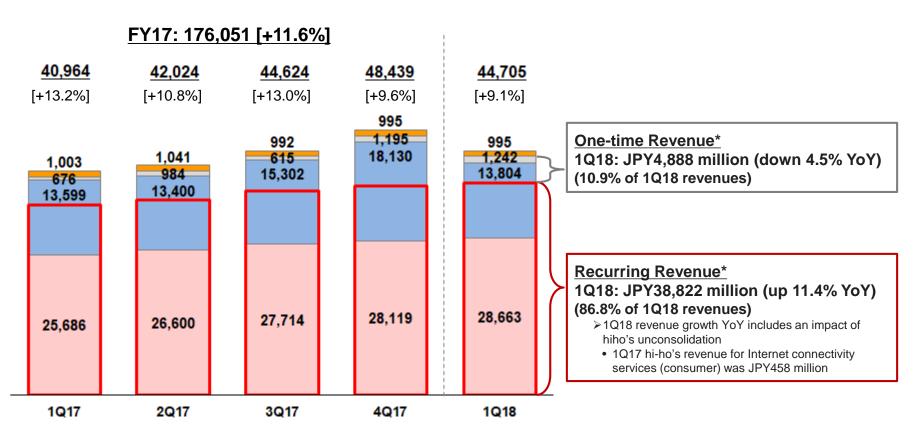
\*3: Net income is an abbreviation for net income attributable to IIJ

### Revenues

#### **Financials**





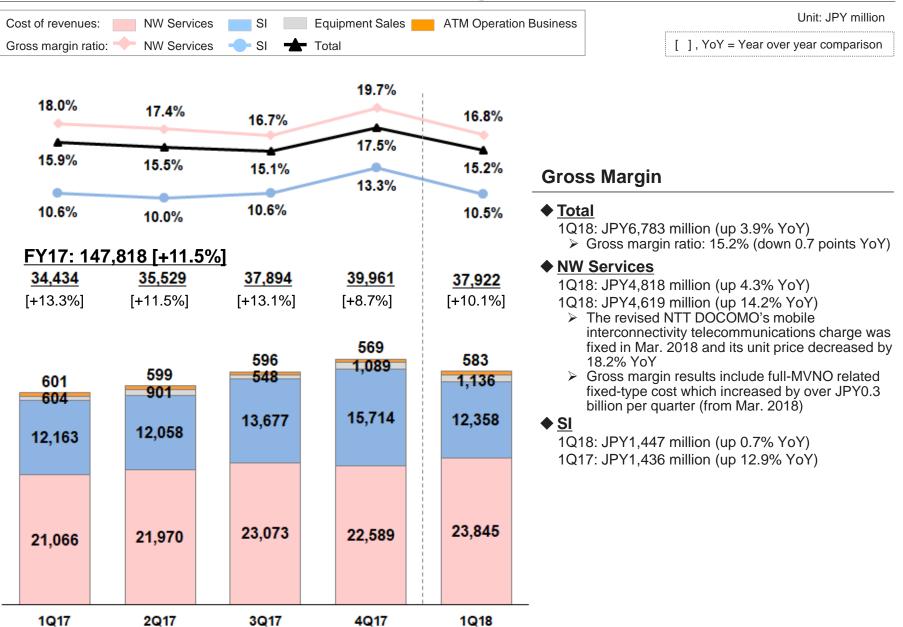


\* One-time revenues, which are systems construction and equipment sales, are recognized when systems or equipment are delivered and accepted by customers

\* Recurring revenues represent the following monthly recurring revenues: Internet Connectivity Services for Enterprise, Internet Connectivity Services for Consumer, Outsourcing Services, WAN Services, and Systems Operation and Maintenance

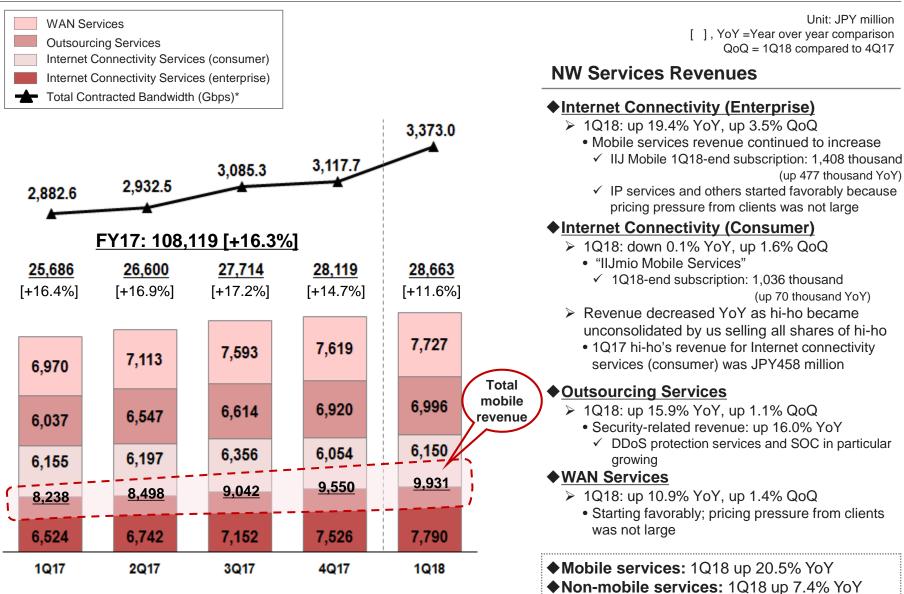
## **Cost of Revenues & Gross Margin Ratio**

**Financials** 



#### **Financials**

# **Network Services (1)**Revenues



\* Total contracted bandwidth is calculated by multiplying number of contracts by contracted bandwidths respectively for IP service (including data center connectivity service) and IIJ FiberAccess/F and IIJ DSL/F of Internet connectivity services (Enterprise).

## **Network Services (2) Cost of Revenues**

Others Personnel-	g-related costs* related costs	ta			Unit: JPY million [ ], YoY =Year over year comparison QoQ = 1Q18 compared to 4Q17 <b>Cost of NW Services</b>
Circuit-rela		98 [+16.1%]			<ul> <li>1Q18: up 13.2% YoY, up 5.6% QoQ</li> <li>Along with an increase in mobile subscriptions, mobile-related costs (mainly in outsourcing-related costs) increased</li> <li>Additional expansion of mobile interconnectivity bandwidth to improve connectivity (Jul.)</li> <li>Along with continuous service developments and</li> </ul>
<u>21,066</u>	<u>21,970</u>	<u>23,073</u>	<u>22,589</u>	<u>23,845</u>	<ul> <li>enhance functions for Omnibus, security, etc., outsourcing-related costs, personnel-related costs and operation-related costs increased</li> <li>✓ Omnibus (meeting demands for large-scale WAN) to be provided from Aug.</li> <li>✓ "IIJ xSP Platform Service/Mail" (email</li> </ul>
7,571	8,152	8,575	8,016	9,267	<ul> <li>Outsourcing services for large-scale service providers) to be provided from Dec. and more</li> <li>Circuit-related costs slightly decreased QoQ as pricing pressure was small, despite continuous expansion of network and WAN revenue increase</li> </ul>
1,495 1,408	1,566 1,438	1,622 1,461	1,803 1,434	1,460	<ul> <li>Regarding NTT DOCOMO's ("DOCOMO") mobile interconnectivity cost recognition:</li> </ul>
3,118	3,158	3,185	3,304	3,533	<ul> <li>Regarding our FY17 &amp; FY16 usage charge, DOCOMO's mobile interconnectivity telecommunications charge was</li> </ul>
7,474	7,656	8,230	8,031	7,922	<ul> <li>fixed in Mar. 2018 and its unit price decreased by 18.2% YoY.</li> <li>Regarding our FY18 &amp; FY17 usage charge, DOCOMO's mobile interconnectivity telecommunications charge, which is calculated based on DOCOMO's FY17 mobile-</li> </ul>
1Q17	2Q17	3Q17	4Q17	1Q18	related cost, is expected to be fixed in Mar. 2019. DOCOMO's payment arrangement is 15% off temporarily from Apr. 2018 which is the same as FY17.

\* Outsourcing-related costs include interconnectivity charge for mobile infrastructure, datacenter leasing costs and customer support center operation costs etc.

## Systems Integration (SI) (1) Revenues

Unit: JPY million

[], YoY = Year over year comparison

Systems construction revenues

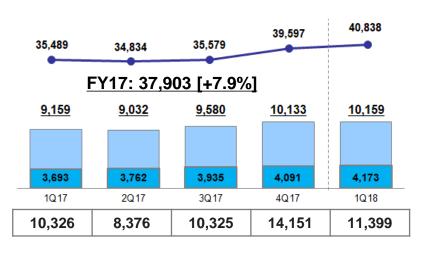
- Systems operation & maintenance revenues
- Cloud revenues within systems operation & maintenance revenues
- -----

Order backlog (sum of systems construction & equipment sales) Order received (sum of systems construction & equipment sales)

## **Systems Construction**



### **Systems Operation & Maintenance**



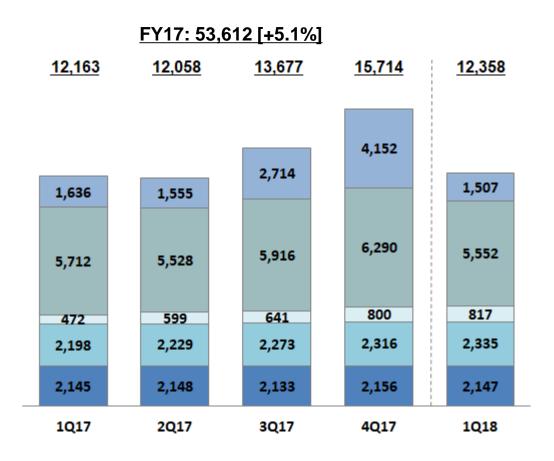
- > 1Q18 revenue: down JPY795 million, down 17.9% YoY
  - 1Q18 revenue decreased YoY as 4Q17-end order backlog decreased YoY
- > Favorable systems construction order environment continued;
  - 1Q18 order received: up 13.3% YoY
  - 1Q18 order-end backlog: up 10.6% YoY
- > Large-scale construction orders received in 1Q18:
  - Replacing LAN environment for a central govt. agency
  - Web site for a major broadcast station
  - Thin client terminal for a major financial institution
  - Internet GW for a major food company
  - Private cloud for a major land transportation company etc.
- > 1Q18 revenue: up JPY1,000 million, up 10.9% YoY
- Continuous revenue growth mainly due to the accumulation of systems construction which are migrated to systems operation & maintenance phase as well as continuous increase in private cloud revenue
  - Revenue from private cloud: up 13.0% YoY
  - Revenue from SI construction: up 9.5% YoY
- 86.5% of 1Q18 cloud-related revenue is recognized in systems operation and maintenance revenues (13.5% in outsourcing)

#### **Overseas business**

- Progressing as planned: 1Q18 revenue JPY1.81 billion, almost break even. FY18 target: revenue: approx. JPY 7.0 billion, operating income: approx. JPY 0.1 billion
- GDPR-related business expanding. 1Q18 revenue volume approx. JPY0.1 billion. Generating cloud and network related orders from consultation

## Systems Integration (SI) (2) Cost of Revenues

Purchasing costs
 Outsourcing-related costs\*
 Others
 Network operation-related costs
 Personnel-related costs



## Cost of SI

[ ], YoY = Year over year comparison QoQ = 1Q18 compared to 4Q17

## 1Q18: up JPY195 million, up 1.6% YoY 1Q18 outsourcing-related costs decreased YoY as 1Q18 systems construction revenues decreased YoY 1Q18-end number of SI-related outsourcing personnel: 1,039 personnel (decreased by 54 personnel YoY, decreased by 15 personnel QoQ) Network operation-related costs slightly increased QoQ IIJ GIO P2 facility in western Japan (Matsue data center) started to provide services from June as planned. Depreciation and equipment maintenance costs to gradually increase

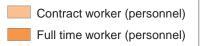
Although number of engineers increased, personnel-related costs decreased QoQ as work-in-process increased

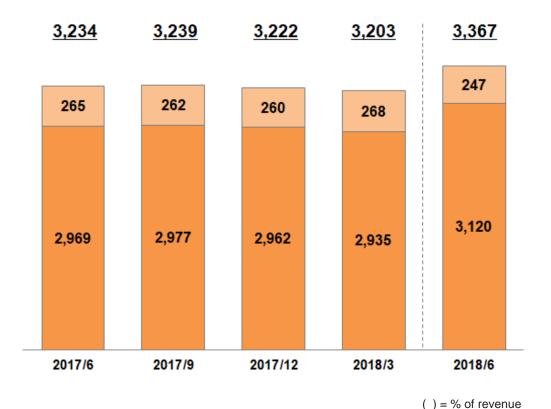
\*Outsourcing-related costs include

Unit: JPY million

# **Number of Employees**

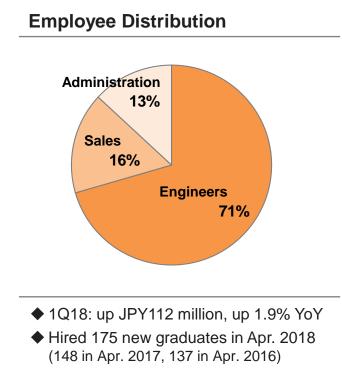
YoY = Year over year comparison





Personnel related costs & expenses Unit: JPY million

1Q17	2Q17	3Q17	4Q17	1Q18
<b>5,797</b> (14.2%)	<b>5,784</b> (13.8%)	<b>5,775</b> (12.9%)	<b>5,843</b> (12.1%)	<b>5,909</b> (13.2%)
F				



 FY18 plan: net addition of 200 consolidated personnel

# SG&A Expenses/R&D

Research & development expenses
 General & administrative expenses
 Sales & marketing expenses
 ( ) % of total revenues

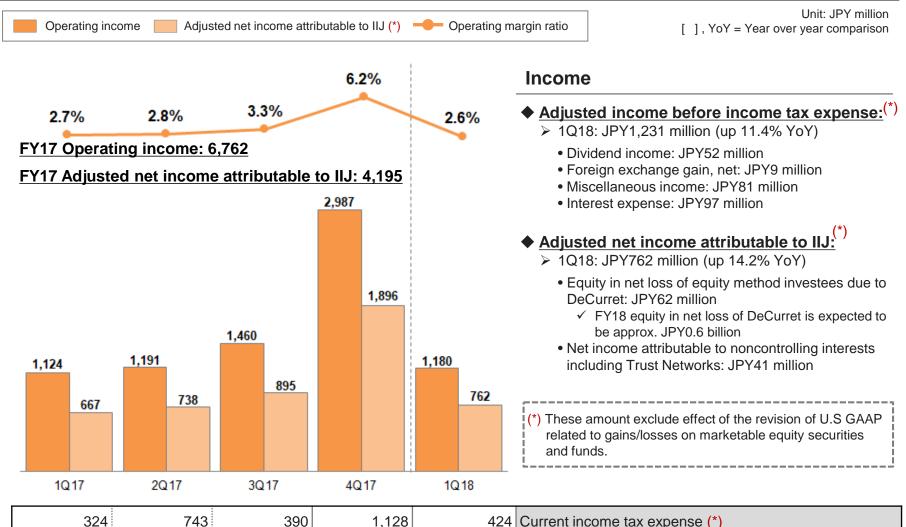
Unit: JPY million [ ], YoY = Year over year comparison

	FY17: 21.4	471 [+6.8%]	l		SG&A
<u>5,406</u> (13.2%) 127	<u>5,305</u> (12.6%) 124	<u>5,270</u> (11.8%) 108	5 <u>,491</u> (11.3%) 128	5,603 (12.5%) 118	<ul> <li>Sales &amp; marketing expenses</li> <li>1Q18: up 3.0% YoY</li> <li>Personnel-related expenses and outsourcing expenses increased</li> <li>General &amp; administrative expenses</li> <li>1Q18: up 5.3% YoY</li> <li>Personnel-related expenses increased</li> </ul>
<b>2,130</b> (5.2%)	<b>2,002</b> (4.8%)	<b>1,938</b> (4.3%)	<b>2,226</b> (4.6%)	<b>2,242</b> (5.0%)	<ul> <li>Progressing accordingly within the plan</li> <li>FY18 SG&amp;A plan: JPY22.8 billion</li> </ul>
<b>3,149</b> (7.7%)	<b>3,178</b> (7.6%)	3,224 (7.2%)	<b>3,137</b> (6.5%)	<b>3,242</b> (7.3%)	<ul> <li>◆SG&amp;A related to ATM operation business</li> <li>1Q17 2Q17 3Q17 4Q17 1Q18 35.5 44.8 36.4 38.4 47.0</li> <li>➢ Placed 1,107 ATMs as of June 30, 2018</li> </ul>
1Q17	2Q17	3Q17	4Q17	1Q18	

#### Internet Initiative Japan Inc.

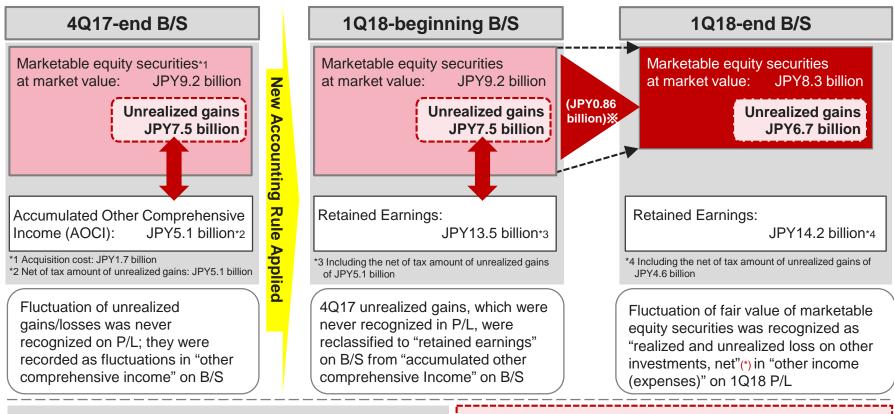
# **Operating Income & Net Income**

**Financials** 



324	743	390	1,128	424	Current income tax expense (*)
109	(245)	113	(290)	(26) Deferred tax expense (benefit) (*)	
36	41	24	33	(31)	Equity in net income (loss) of equity method investees
(42)	(47)	(39)	(42)	(41)	Less: Net income attributable to noncontrolling interests

# **Gains/Losses on Marketable Equity Securities**



## X Major breakdown of 1Q18 loss on marketable equity securities of JPY0.86 billion

Stock	Stock Pri 4Q17-end	. ,	IIJ holdings (shares)	Gains/losses for 1Q18 P/L
SIGMAXYZ Inc.	2,137	1,331	1.98 million	(JPY1.6 billion)
Recruit HLDG	2,645	3,066	1.5 million	+JPY0.6 billion
PIA Corp.	5,450	6,230	0.15 million	+JPY0.1 billion

(\*) "Realized and unrealized loss on other investments, net" for 1Q18 was JPY0.75 billion. The breakdown of which were losses of JPY0.86 billion on marketable equity securities and gains of JPY0.12 billion on funds that were available to be measured at fair value. For details, please refer to page 6 our press release titled "IIJ Announces First Three Months Financial Results for the Fiscal Year Ending March 31, 2019" published on August 8, 2018.

#### Consideration of IFRS Adoption

- Plan to adopt IFRS from the filing of FY18 Annual Report "Yukashoken Houkokusho"
- Because of different accounting principles, P/L impact due to gains/losses on marketable equity securities are not expected under IFRS
- FY18 earnings press release & documents for ordinary general meeting of shareholders will be prepared under U.S. GAAP;
   P/L will be impacted by stock price fluctuation

FY18 Annual Report "Yuka-shoken Houkokusho" will be prepared under IFRS; P/L will not be impacted by stock price fluctuation; Retained earnings & AOCI will be different from the U.S. GAAP etc.

# **Consolidated Balance Sheets (Summary)**

**Financials** 

Unit: JPY million

	Mar. 31, 2018	Jun. 30, 2018	Changes
Cash and Cash Equivalents	21,403	23,126	+1,723
Accounts Receivable	31,831	28,142	(3,689)
Inventories	1,715	2,512	+798
Prepaid Expenses (Current and Noncurrent)	16,409	19,939	+3,530
Investments in Equity Method Investees	5,246	5,129	(117)
Other Investments	11,374	11,691	+317
Property and Equipment	46,414	45,693	(721)
Goodwill and Other Intangible Assets	8,787	8,698	(89)
Guarantee Deposits	3,422	3,384	(38)
Total Assets:	<u>153,449</u>	<u>154,169</u>	<u>+720</u>
Accounts Payable	16,399	15,478	(921)
Income Taxes Payable	1,928	393	(1,535
Borrowings (Short-term and Long-term)	24,750	24,750	
Capital Lease Obligations (Current and Noncurrent)	16,577	16,743	+167
Total Liabilities:	<u>79,460</u>	<u>79,628</u>	<u>+168</u>
Common Stock	25,512	25,519	+7
Additional Paid-in Capital	36,176	36,183	+7
Retained earnings	8,404	14,167	+5,763
Accumulated Other Comprehensive Income (Loss)	5,075	∆142	(5,217
Treasury stock	<mark>(</mark> 1,897)	<mark>(1,897)</mark>	·
Total IIJ Shareholders' Equity:	<u>73,270</u>	<u>73,830</u>	+560

Due to the revision of U.S. GAAP on other investments. Please refer to page 13 of this document for details

> Total IIJ Shareholders' Equity to Total Assets: 47.9% as of Jun. 30, 2018; 47.7% as of Mar. 31, 2018

# **Consolidated Cash Flows**

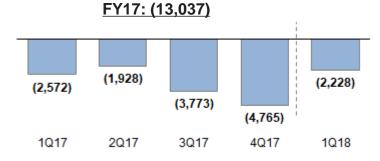
### **Operating Activities**

Unit: JPY million YoY = Year over year comparison



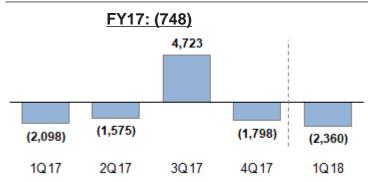
	Major Breakdown	YoY Change
Net income	291	(457)
Depreciation and amortization	3,297	+317
Fluctuations of operating assets and liabilities	2,094	+2,784
Realized and unrealized loss on other investments	747	+747

### **Investing Activities**



	Major Breakdown	YoY Change
Purchase of property and equipment	(2,558)	+1,251
Proceeds from sales of property & equipment (mainly lease-back transaction)	349	(927)

### **Financing Activities**



	Major Breakdown	YoY Change
Principal payments under capital leases	(1,527)	(192)
Dividends paid	(608)	(0)

#### Financials

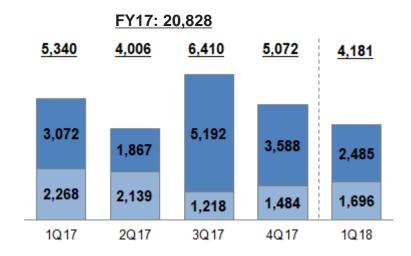
# **Other Financial Data**

# Unit: JPY million [ ] = Year over year comparison

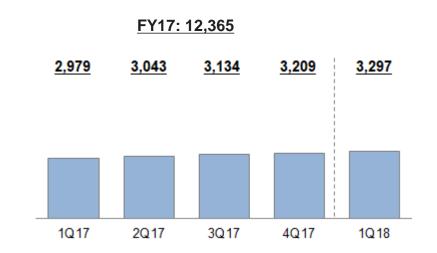
#### **Financials**



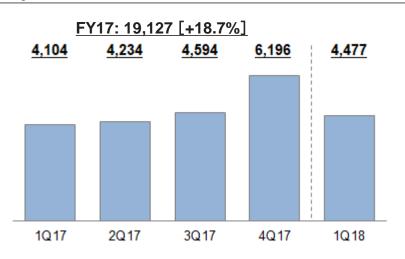




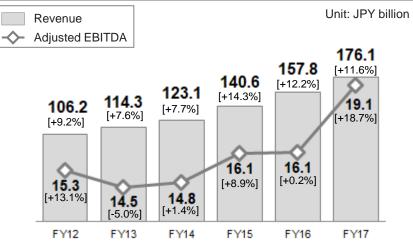
### **Depreciation and Amortization**



### **Adjusted EBITDA**



## **Revenue & Adjusted EBITDA Annual Growth**

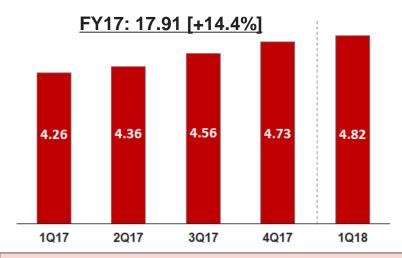


# **Cloud Business**

Unit: JPY billion ], YoY = Year over year comparison

#### **Financials**

### **Cloud-related revenue**



## **Business developments**

### ♦ Continuously accumulating revenue: 1Q18 +13.1%

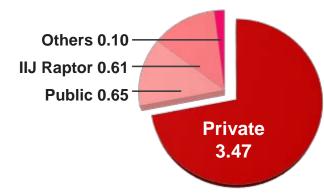
- Unified Operation Management (UOM) Services offer comprehensive management for not only GIO services but also third party cloud services and on-premise, Meeting multi cloud demands
- IIJ GIO P2 facility in western Japan (Matsue) started to provide services as planned (public cloud from Jun., private cloud and storage from Oct.), Depreciation and equipment maintenance cost are expected to increase

### 1Q18 cloud revenue recognition

### ♦ 86.5% in systems operation and maintenance

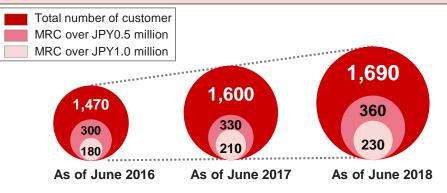
♦ 13.5% in outsourcing services

### 1Q18 revenue\*



\*From 1Q18, IIJ Raptor revenue (ASP-type FX services) which was formerly included "Task-specific SaaS" is disclose as its own. Newly established category "others" includes what was formerly recognized as "General Purpose SaaS" and the rest of "Task-specific SaaS" except for IIJ Raptor revenue

### **Cloud customer base**

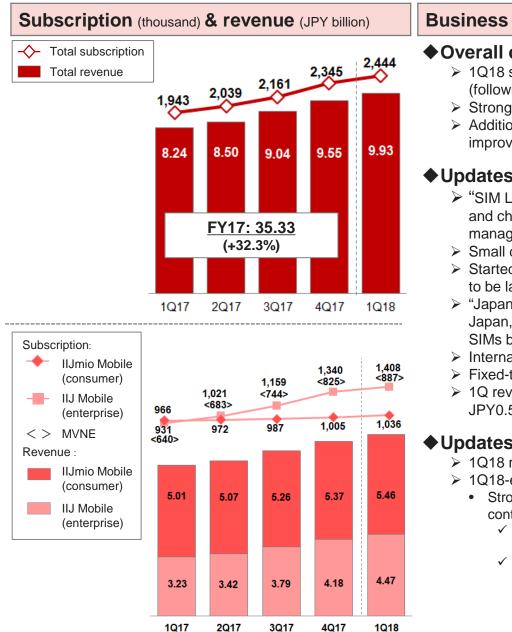


### FY18 plan

- FY18 revenue target: approx. JPY20.0 billion (up 11.7%YoY)
  - Continuously accumulating revenue by executing enterprise demands-suited multi/private cloud strategy with GIO P2, VMware virtualization platform service, UOM etc.

# Mobile & IoT Business

#### **Financials**



### **Business developments**

### Overall developments

- 1Q18 subscription acquisition pace almost in line with our plan (following the pace of latter half of FY2017)
- > Strong demands for headsets-bundle services
- Additional expansion of mobile interconnectivity bandwidth to improve connectivity (Jul.)

## Updates on full-MVNO service

- "SIM Life Cycle Management" (from Mar.); able to remotely check and change status of SIMs, suited for IoT usages such as inventory management
- > Small data volume-bundle services targeting IoT usages (from Aug.)
- Started trial of eSIM platform on Microsoft Surface, official service to be launched in spring 2019
- "Japan Travel SIM" (from Apr.); prepaid SIMs for foreigners visiting Japan, partnering with local partners in Asian countries to provide SIMs before tourists leave their home counties
- > International roaming services for enterprise customers (from Jul.)
- Fixed-type cost increased by over JPY0.3 billion in 1Q as planned
- 1Q revenue JPY0.09 billion, FY18 revenue target of approx. JPY0.5 billion

## Updates on enterprise mobile (except for MVNE)

- IQ18 revenue: JPY1.09 billion (+25.3%)
- > 1Q18-end subscription: 521 thousand (+78.7%)
  - Strong demands for network & dashboard cameras connection continued
    - ✓ Offer comprehensive solution including cloud services, leveraging competitive advantage as a total solution provider
    - ✓ Aim to improve mobile network utilization by absorbing upload traffic in the middle-to-long term

## **※** Forward-looking statements

Statements made in this presentation regarding IIJ's or managements' intentions, beliefs, expectations, or predictions for the future are forward-looking statements that are based on IIJ's and managements' current expectations, assumptions, estimates and projections about its business and the industry. These forward-looking statements, such as statements regarding revenues, operating and net profitability are subject to various risks, uncertainties and other factors that could cause IIJ's actual results to differ materially from those contained in any forward-looking statement. These risks, uncertainties and other factors and other factors include but not limited to:

- a decrease of corporate spending or capital expenditure due to depression in the Japanese economy and/or corporate earnings decreased,
- an inability to achieve anticipated results and cause negative impact on profitability,
- a possibility that less of reliability for our services and loss of business chances due to interruption or suspension of our services,
- an excess increase and fluctuation in network-rerated cost, mobile-related cost, outsourcing cost, personnel cost etc,
- a possibility to lose business opportunity due to our inadequate resources in personnel and others,
- an increase in competition and strong pricing pressure,
- the recording of an impairment loss as a result of an impairment test on the non-amortized intangible assets such as goodwill,
- a decline in value and trading value of our holding securities,
- fluctuations of equity in net income (loss) of equity method investees

Please refer to IIJ's filings on Form 20-F of its annual report and other filings with the United States Securities and Exchange Commission ("SEC") for other risks.

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