# Internet Initiative Japan Inc. Corporate Overview

We changed our accounting principles from the Generally Accepted Accounting Principles in the U.S. ("U.S. GAAP") to the International Financial Reporting Standards (IFRS) from the filing of FY2018 annual report "Yuka-shokenhoukokusho" which was filed on June 28, 2019.

Because reporting period of foreign consolidated subsidiaries under IFRS is different from that of under U.S. GAAP, some figures disclosed in the past are different.

# **August and September 2019**

# **Outline**

# Strengths and competitive advantages

Business accumulation	P. 3-5
Business model	P. 6
Blue-chip customer base	P. 7
Comprehensive service line-up	P. 8
Total Solution Provider	P. 9
Positioning	P. 10
Recent growth	P. 11

# **♦** Growth strategy

Cloud	P. 12 – 14
Mobile	P. 15 – 17
Security	P. 18
IoT	P. 19
FinTech	P. 20 – 21
CDN	P. 22
Middle-to-long term business growth	P. 23 – 24
	Security IoT FinTech

# **♦** Financials

1Q FY2019 results summary	P. 25
FY19 business goals	P. 26
1Q FY2019 results in details	P. 32 – 49
Dividend	P. 27

# Appendix

P. 28 – 31

# **Internet Technology Initiatives in Japan**

Established	December 1992
Number of Employees	<b>3,537</b> (approx. 70% engineers) Consolidated. As of June 30 2019
Listed Markets	Tokyo Stock Exchange 1 <sup>st</sup> Section (code: 3774) We voluntary delisted from the U.S. NASDAQ Market in Apr. 2019. Our ticker symbol at OTC is IIJIY
Large Shareholders	NTT group (26.0%), Dalton (6.3%), Global Alpha (6.1%), CEO Suzuki (5.6%*) *Jointly owned by CEO. 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
- > In-house service development and related back office facilities

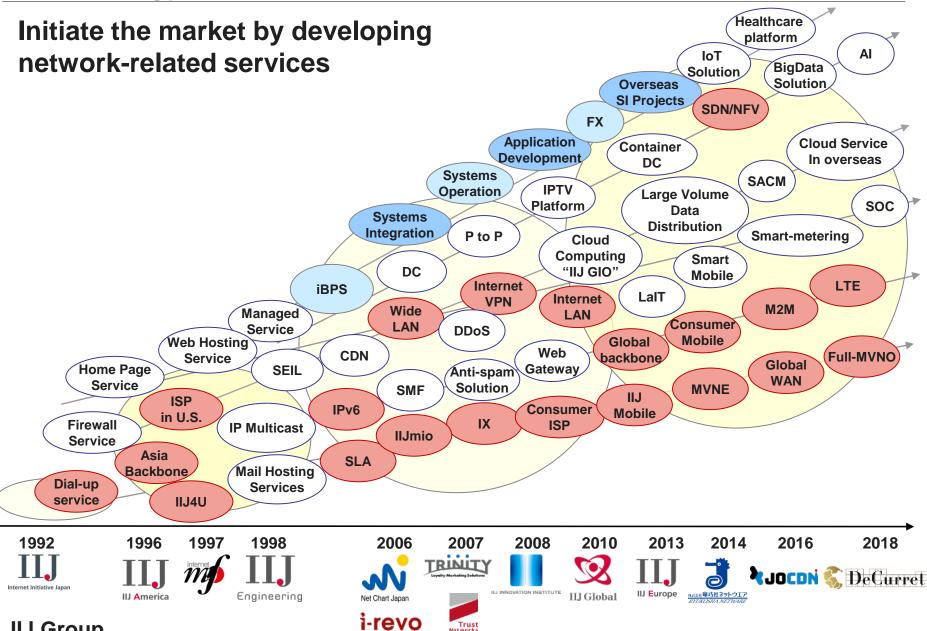
# "IIJ" brand towards blue-chips

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

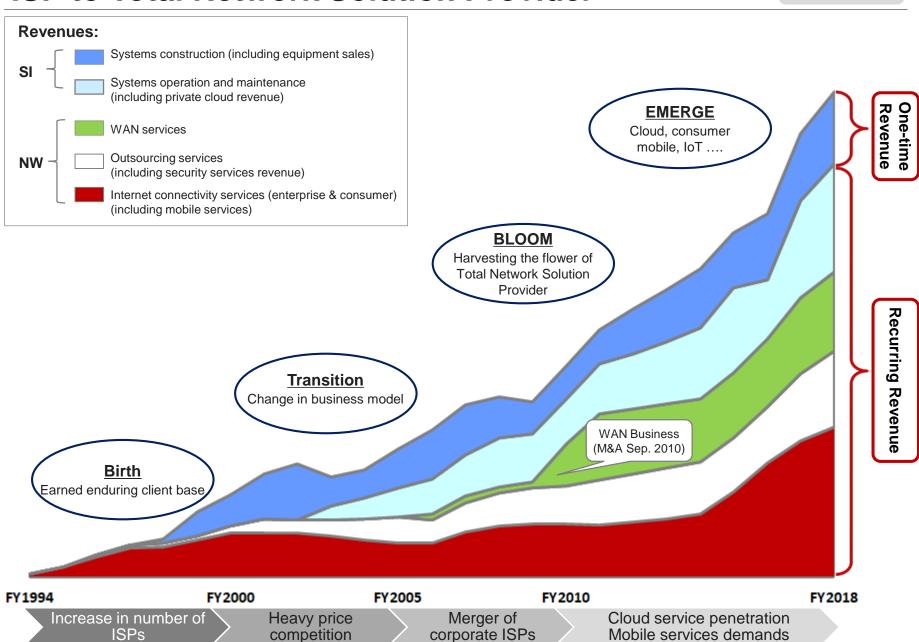
## ◆ At the leading edge of IP R&D

- > 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

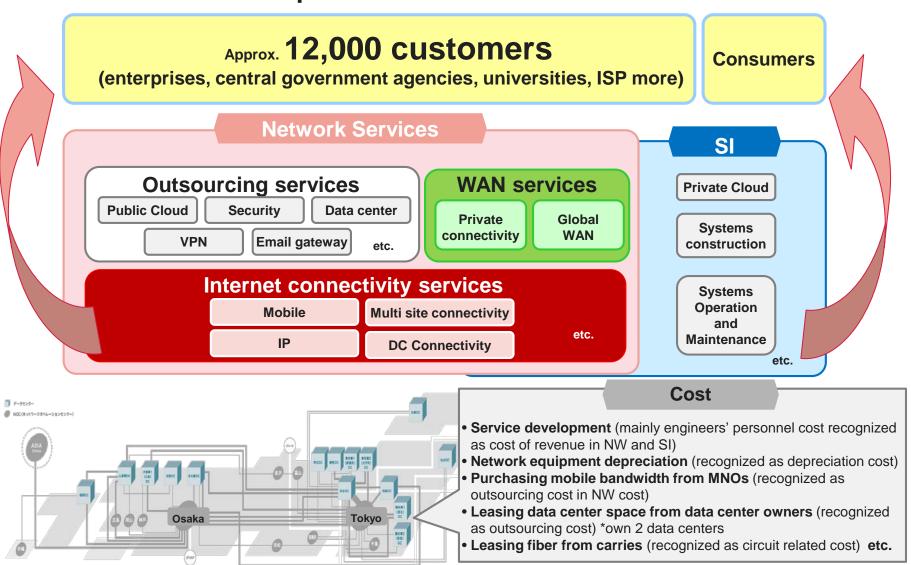


Trust



# **Business Model**

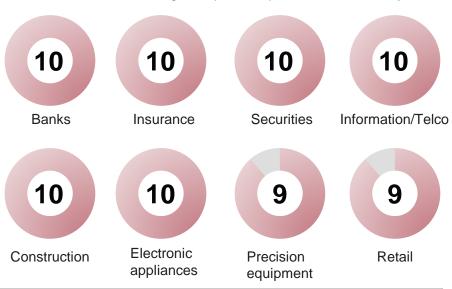
# Leveraging Internet-related technology Total network solution provider with services and SI

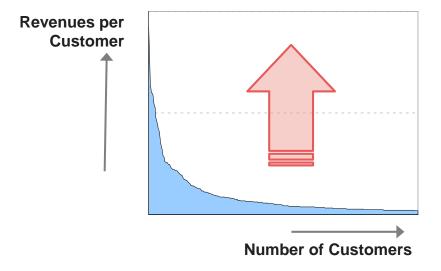


#### **Cover Most of Top Revenue Companies**

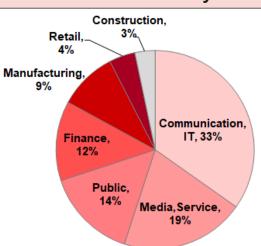
#### **Increase Revenue per Customer**

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

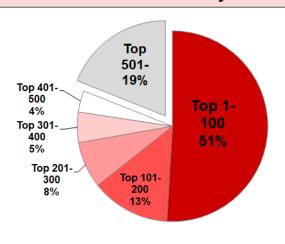




#### **Revenue Distribution by Industry**



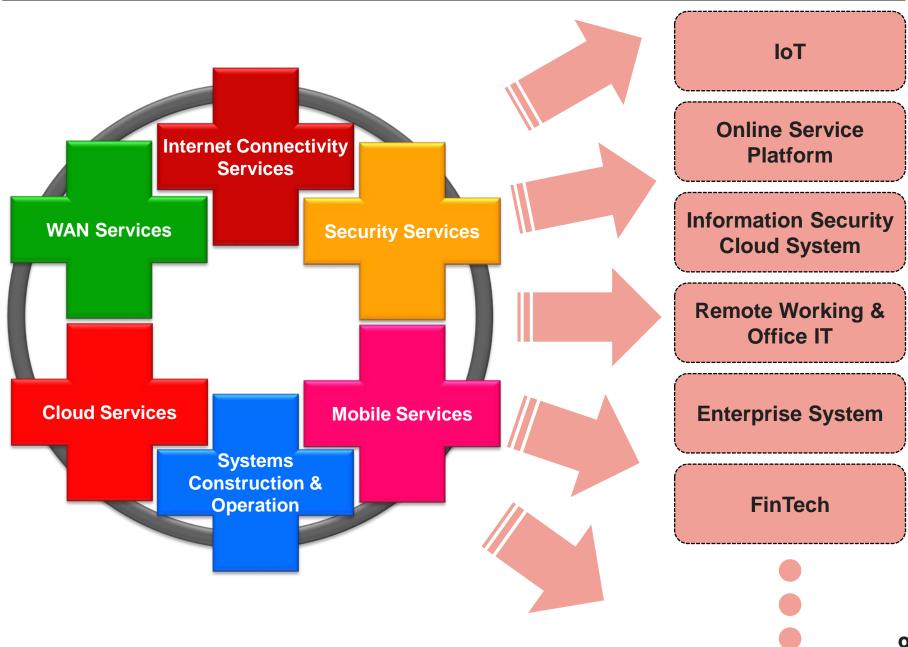
#### **Revenue Distribution by Clients**



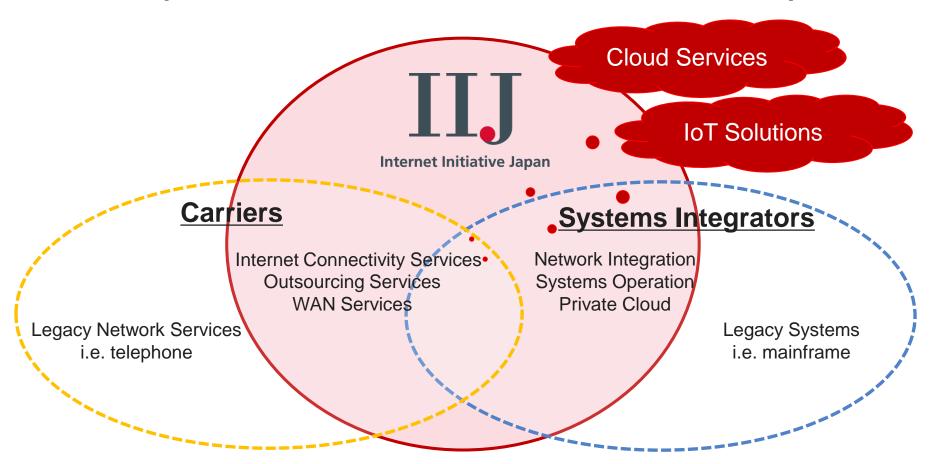
# **Comprehensive Line-ups of IT services**

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

# **Example of Total Solution**



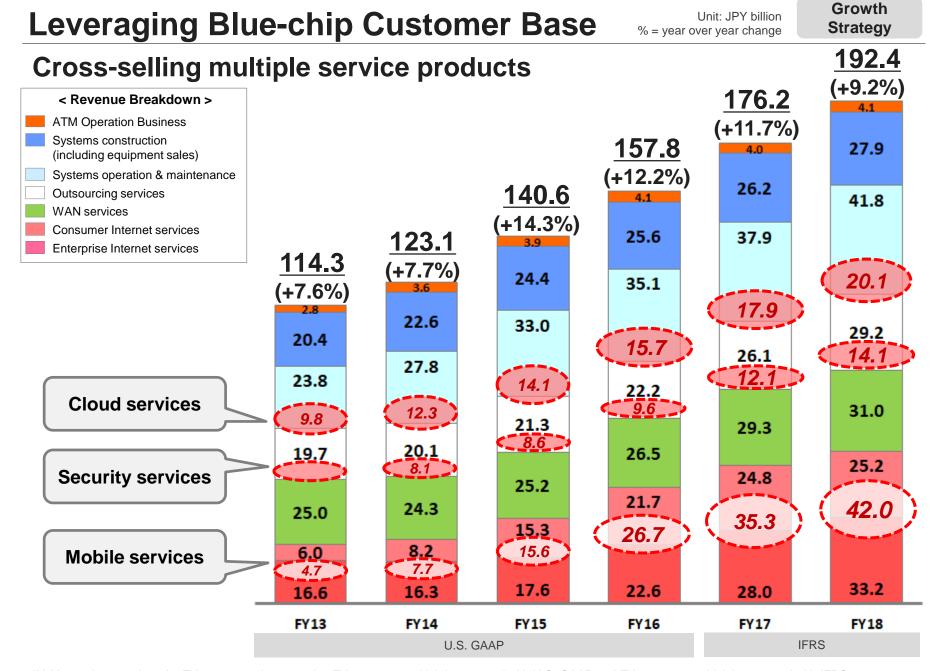
# Cover Corporates' New IT Services Demands with reliable operation



### **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



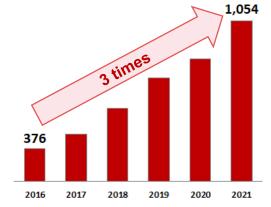
<sup>\*</sup>YoY growth rate written for FY17 revenue is comparing FY16 revenue which is prepared with U.S. GAAP and FY17 revenue which is prepared with IFRS

Internet Initiative Japan Inc.

# **Cloud Business (1)**

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

- Cloud penetration among Japanese enterprises
  - 58.7% as of 2018-end, 33.0% as of 2013-end (MIC)
- Some advanced and mission critical enterprise systems on cloud services, but mostly web server and such light usage
- 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
- Japanese companies require needs specific functions, IIJ continuously upgrade, enhance and expand service line-ups
- Great business opportunity with IoT and BigData



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

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

#### IIJ

- ◆ Target blue-chip's large internal IT systems which are traditionally covered by Slers
- ◆ Integrate full-MVNO (data services), security, SI and other IIJ services
- ◆ Execute Multi-cloud strategy by connecting MS, AWS, Google cloud platforms through private connectivity, UOM (Unified Operation Management) Service etc.
- ◆ First in Japan to join MS Azure Networking Managed Services Provider Program (July 2019)
- **◆** Experience, reputation, reliable operation
  - ➤ One of the first cloud service provides in Japan (since FY2010)
- ◆ Deep relationships with blue-chip customers, Leverage network service clients customer base
- ◆ Various options for CPUs/OSs/storage/network usage etc.

#### **Competitors**

# AWS/Azure

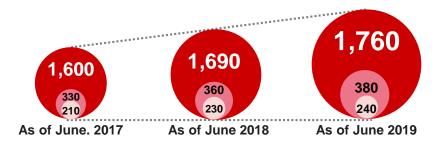
- ◆ Strong scale merit
- Not so strong about meeting individual system needs
  - Service specs
  - · SI expertise
  - Customer support

Slers

- Tailored toward individual private cloud, in principal
- ◆ Target current clients, in principal

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





SBI Holdings NTT DOCOMO Ricoh Company
TOMY COMPANY Nomura Tokyo Stock
Securities Exchange

Nippon Life Insurance Company
CORPORATION Inc.

.... and many more

#### Flagship IIJ GIO P2 Projects

- One of the largest global logistics companies, chose IIJ's cloud service for its fully-outsourced internal systems (3,500 servers and 2PT storage MRC JPY9 million
- One of the largest prefectures, chose IIJ's cloud services for "Local Government Information Security Cloud" systems

MRC JPY60 million

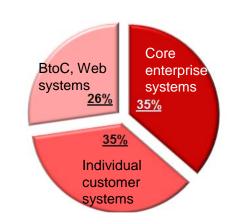
One of the largest online ticketing companies chose IIJ's cloud service for its main and prominent service platform

MRC JPY14 million

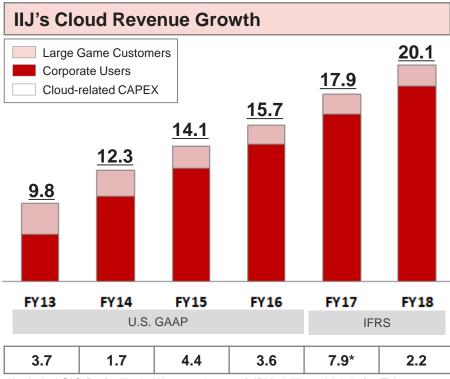
One of the largest travel agencies chose IIJ's cloud services for its core business operation systems

MRC JPY12 million

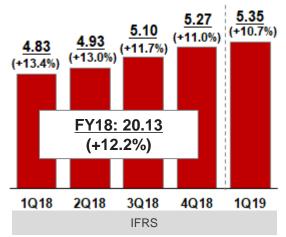
#### **IIJ GIO P2 System Usage**



# **Cloud Business (3)**



<sup>\*</sup>Included GIO P2 facility in Western Japan of JPY3 billion which is for FY18 usage



#### **Business model**

#### **♦**Revenue

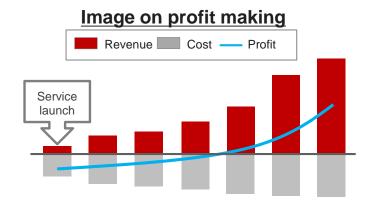
- ➤ Enterprise systems life cycle: 4 to 5 years on average
- Along with Japanese enterprises' internal IT systems migration to cloud, types of systems IIJ can deal should expand
- Revenue depends on system volume (i.e. number of cloud servers)
- Revenue to expand along with increase in customers and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

#### **♦**Cost

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

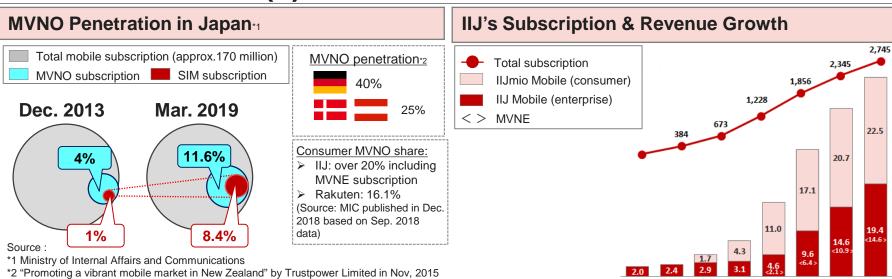
#### **♦**Profit

- 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



Unit for revenue: JPY billion Unit for subscription: thousand IFRS

Growth Strategy





#### **Business model & Growth Strategy**

#### **◆**Revenue

- 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

#### **◆**Cost

- > Consumer & enterprise mobile services are provided from the same mobile infrastructure
- Mainly buying mobile capacity on bandwidth-base from Docomo (some from KDDI)
- > In order to provide voice services, we purchase per usage base (no economy of scale merit for voice services)
- Sales commission to sales partners such as Bic Camera

#### **◆**Profit

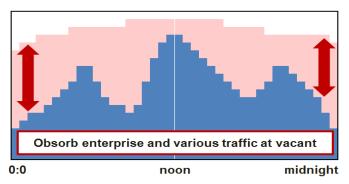
Profitability to increase by improving infrastructure utilization through gathering various consumer (young, old, student, households, office works) & enterprise traffic (IoT)

#### Image of IIJ's Mobile Infrastructure Utilization

# Current Vacant Mostly consumer traffic 0:0 noon midnight

With more IoT and enterprise traffic....

#### Middle to Long term



- 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.)

1Q19-end MVNE clients: 152 (retailers, CATV, EC vendors, Slers, manufacturers etc.)

# **Mobile Business (3)**

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

#### > Full-MVNO service offerings

- "eSIM" services for consumers (from July 2019), preparing to launch eSIM services to enterprises
- "SoftSIM" (May 2019), entirely software-based communication module
- "SIM Life Cycle Management" (from Mar. 2018); 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. 2018) attracting orders
- Started trial of eSIM platform on Microsoft Surface and others, official service to be launched in FY19
- "Japan Travel SIM" (from Apr.); prepaid SIMs for foreigners visiting Japan, partnering with local partners in overseas to provide SIMs before tourists leave their home counties
- International roaming services for enterprise customers (from Jul.)

#### > Full-MVNO revenue:

- 1Q19: JPY0.34 billion, FY18: JPY0.66 billion (initial target JPY0.5 billion), FY19 target: JPY1.7 billion
- > Fixed cost: approx. JPY0.1 billion per month (from Mar. 2018)
- > Expected total investment: approx. JPY4.5 billion (HSS/HLR systems depreciation & Docomo's NW remodeling fee)

#### **Accumulating Enterprise Mobile Solutions**

- > Started providing enterprise mobile solutions from 2008 by becoming the 1st MVNO in Japan to connect Docomo's mobile network
  - Wireless solution to enterprise customers
  - Leveraging blue-chip customer base
  - Provide with SI, if necessary

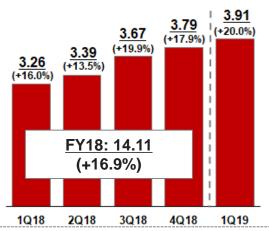
#### > Accumulating IoT-type M2M projects continuously

- Surveillance & dashboard cameras, digital signage, sensors, ticket vending machine etc.
- 1Q19-end non-MVNE mobile subscription: 637 thousand (+22.3% from 1Q18-end)

# **Security Business**

#### **IIJ's Security Services Revenue Growth**





#### <About security service revenue>

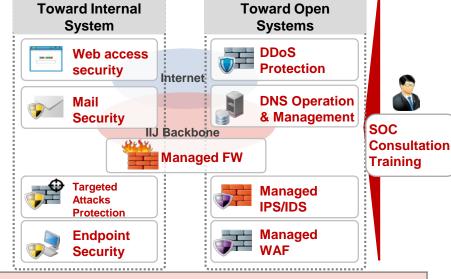
- · Recognized in Outsourcing Services
- Total security revenue (sum of security services & security-related SI) FY17 JPY14.62 billion, FY18 JPY16.77 billion

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

- ◆ DDoS protection services which are able to handle terabit cyber attacks, widely used among central government agencies and major financial institutions
- ◆ Security Operation Center services with approx. 6
   billion daily log records of network etc. (others: approx.
   0.8 billion records a day), able to detect Internet threats and execute countermeasures in early stage
  - Providing to local government. Leveraging security log obtained as an ISP to protect against latest cyber threats
  - Assist enterprise security systems with establishment of CERT, SOC service & wide-range of security services
- Advising regional police departments about cyber security such as unauthorized access and Internet network

#### **IIJ's Security Service line-ups**

◆ Provide together with NW and SI as comprehensive



#### **Business Developments**

- ◆ DDoS protection service strongly growing
  - Growing penetration toward BtoC service providers
  - Expanded facility globally, able to protect from over terabit scale attacks
- Email & Web gateway service continuously expanding

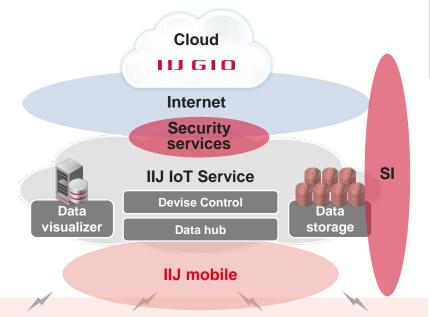
Mail service: approx. 2.1 million accounts
Web gateway service: approx. 1.2 million accounts

- Protecting several hundreds of thousands email accounts with our services for such as global manufacturing companies, local governments and more from external threats and information leaks
- Fully-manage over several hundred thousand a/c for global manufacturing company's mail gateway and more
- > 10yrs+ of service operation, filter logics in-house developed

# **IoT Business**

#### IIJ as IoT platform

IIJ provides necessary elements for IoT comprehensively

















Inventory

Consumer



Sensor Monitoring



### **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

Sector	Examples of usage	
Factory	Remote mgmt. and control of factory facility     Predict machine failures, reduction in maintenance cost	
Agri.	Paddy mgmt. (control of water level & temp.)	
Log.	Mgmt. of vehicle location & delivery status     Connected Cars, data monitoring of racing cars	
Retail	Analysis on consumers' movement from instore cameras to create marketing data     Monitoring waiting customers	
Housing	Mgmt. of electricity with info from smart-meter     loT to consumer electronics and nursing care	
Others  • Mgmt. for solar panels & windmills • Tracing products		

#### < Glossary >

PoC Proof of Concept Prj. Projects Mgmt. Management Temperature Temp.

Agri. Agriculture Logistics Log. Inst. Institution Govt. Government a/c account

## FinTech Business

Company Profile		
Name DeCurret Inc. (IIJ ownership 30%)		
Est. January 2018		
Capital	JPY8.6 billion	
Dinastana	President: Kazuhiro Tokita (from IIJ)	
Directors	Part-time directors: IIJ CEO, IIJ COO, IIJ CFO	

- 1<sup>st</sup> & new licensed service provider after the FSA enacted registration process
- ➤ Launched exchange services in Apr. 2019. Plan to upgrade the services and add settlement platform services
- Raised capital (July 2019): enterprise shareholders increased to 30 (including IIJ)

#### **Business**

#### > Exchange service (Apr. 2019)

- 24 hours 365 days exchange platform to exchange various cryptocurrencies, mainly for consumers
  - ✓ BTC, BCH, LTC, XRP, ETH
  - ✓ Highly reliable system, low bid-ask spread, and meeting security requirement such as AML/KYC

#### > Settlement platform services

- Exchange cryptocurrency to electronic money, points etc. (1st phase, from 1H19)
- Plan to handle stablecoins such as MUFG coin
- Plan to tie-up with JR Suica to adopt electronic money
- Plan to handle multi-currency settlement platform such as stablecoins, electronic money, cryptocurrency and others by utilizing exchange platform etc.
- Plan to widen usage for intergroup settlement

#### **Competitive Advantages**

#### > Trading system leveraging the existing IIJ Raptor

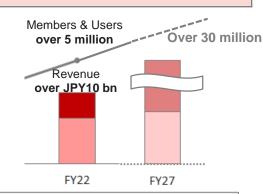
- Top share ASP FX (Foreign Exchange) system in Japan, proving to more than 10 major Japanese financial institutions
  - ✓ Core-engine, dealing system, connecting multiple FX exchanges, investor service platform, operator management function etc.
  - ✓ Approx. 70% of DeCurret service system is leveraged from the existing IIJ Raptor system

#### > Executing business with prominent capital partners

- Expect to include electronic money, bank coins and more
  - 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

#### **Business Target**





Impact on IIJ's consolidated financial results etc.

- <PL> Impacted by equity in net income/loss of equity method investees Equity in net loss of DeCurret:
  - > FY18 result: JPY502 million, FY19 plan: JPY0.7 billion, FY20 target: equity in net gain
- <Business> Raptor & cloud to grow, IIJ owns 30% of DeCurret's value

# **FinTech Business**

#### **Shareholders of DeCurret**

Internet Initiative Japan Inc. BIC CAMERA INC.

ITOCHU Corporation Mitsui Sumitomo Insurance Company, Limited

QTnet, Inc. Sumitomo Mitsui Banking Corporation

OPTAGE Inc. Mitsui Fudosan Co., Ltd.

KDDI CORPORATION The MUFG Bank

KONAMI HOLDINGS CORPORTAION Meiji Yasuda Insurance Company

SUMITOMO LIFE INSURANCE COMPANY YAMATO HOLDINGS CO., LTD.

Sompo Holdings, Inc. ITOCHU Techno-Solutions Corporation

The Dai-ichi Life Insurance Company, Limited CHUBU Electric Power Co., LTD.

DAIDO LIFE INSURANCE COMPANY DENTSU INC.

Daiwa Securities Group Inc. Hankyu Hanshin Holdings, Inc.

Tokio Marine & Nichido Fire Insurance Co., Ltd. MATSUI SECURITIES CO.,LTD.

Nippon Life Insurance Company Energia Communications, Inc.

Nomura Holdings, Inc. SOHGO SECURITY SERVICES CO.,LTD. (ALSOK)

East Japan Railway Company

Toppan Printing Co., Ltd.

# **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 is 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

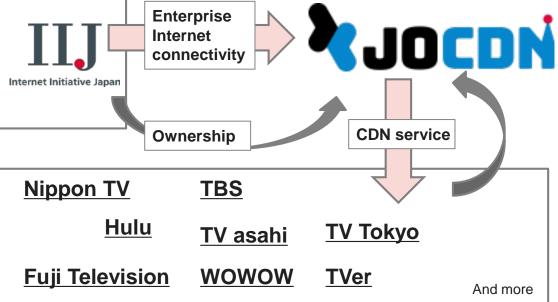
#### **CDN Market Growth in Japan**

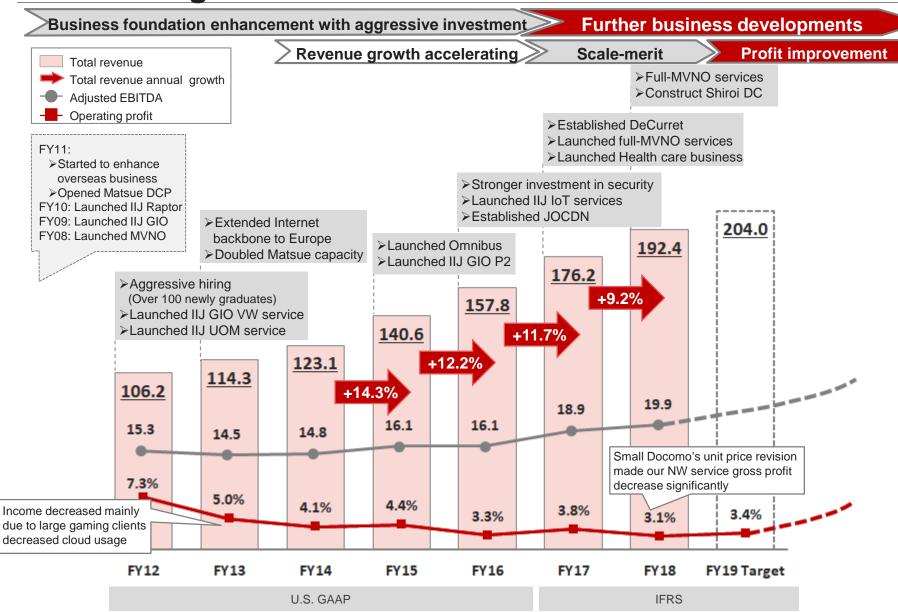


Source: Nomura Research Institute "ICT and Media Market Growth Outlook and Trend through FY2021", published in Nov. 2015

#### JV with Japanese Major Broadcasting Companies

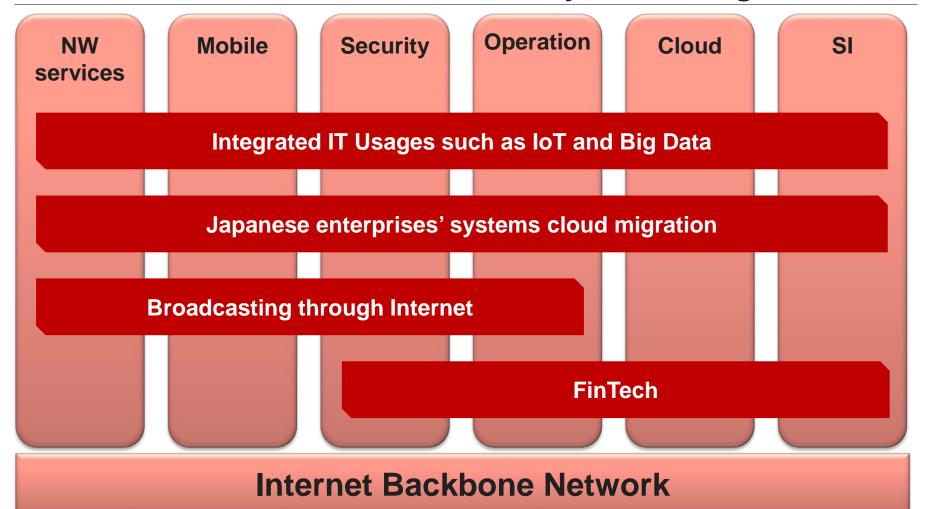
Company name JOCDN Inc. (IIJ Ownership 19%)	
Capital	JPY710 million
Establishment December 1, 2016	
Shareholders	IIJ, Nippon TV, TV asahi, TBS, TV Tokyo, Fuji TV, WOWOW (prominent satellite broadcaster) and 10 more
Management	Chairman: Koichi Suzuki (IIJ) President: Shunichi Shinozaki (Nippon TV)
Business	<ul> <li>Provide a video content distribution platform service for use within Japan</li> <li>Construct and operate broadcasting systems</li> </ul>





<sup>\*</sup> Adjusted EBTIDA for FY17 and FY18 are calculated by adding operating profit and CAPEX-related depreciation and amortization, which is calculated by excluding depreciation and amortization of assets that do not have the nature of capital investment, YoY growth rate for FY17 revenue (IFRS) is calculated with FY16 revenue (US GAAP)

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



# **Blue-chip Client Base**

- ◆ Very low churn rate
- **♦** Approx. 12,000 enterprises customers
- ♦ More than 25 years of business relations

# **Engineering Skills**

- **♦** Developed many prototype NW services
- **♦** Operates one of the largest Internet networks
- **♦** Continuously developing services

# Solid business developments & strong earnings along with favorable demand Total Revenues JPY49.8 billion +11.1% Operating Profit JPY1.4 billion +58.8%(\*)

(\*) The growth rate shows the comparison for the normalized 1Q18 operating profit which is calculated by allocating JPY2.05 billion of additional NW service cost recorded in 4Q18 as a result of NTT Docomo's mobile interconnectivity unit charge revision to attributable each quarter of FY2018

◆Enhancement of enterprise NW service development Enterprise recurring revenue\*<sub>(excluding WAN)</sub> continued to grow: +8.9%

by subtracting revenues of WAN, MVNE and consumers from recurring revenue

\*Enterprise recurring revenue is calculated

- > Expansion of Full-MVNO & IoT service lineups
  - First in Japan to launch eSIM services (July), Developing and preparing to launch eSIM services for enterprises
  - SoftSIM (May), Services to visualize and monitor IoT data (July) etc.
- > Execution of Multi cloud strategy: Cloud revenue +10.7%
  - · Adding connecting points for multi cloud: AWS, MS, Google
  - IIJ Omnibus Service's function expansion: optimizing route control when accessing SaaS such as MS Office365
- > Strong demands continue for Security: Revenue +20.0% Each service grew such as SOC, DDoS Protection
- > CDN: Providing Internet live platform for "Virtual High School Baseball Championship" 5 years in a row
- > JOCDN: Data migration of a large contents holder is approximately 80% completed
- **◆Gross profit for both NW & SI started with improving trend** 
  - ➤ NW gross profit +14.0%, +JPY0.6 billion YoY(\*) with recurring revenue accumulation & rebound effect of Full-MVNO profitability improvement by increasing its revenue against its fixed cost
  - > SI gross profit +23.3%, +JPY0.4 billion YoY with continuing effect of FY18 profitability improvement strategies
- DeCurret, new company for digital currency trading and settlement business, raised capital by private placement
  - > Expect even stronger synergy with enterprise shareholders
  - ➤ 11 new shareholders: KDDI, Konami, Sumitomo Life, Daido Life, Meiji Yasuda Life, Chubu Electric Power, Hankyu Hanshin Holdings, Matsui Securities, Energia Communications, ALSOK, Toppan Printing
  - > IIJ ownership 30%, Total enterprise shareholders 30 (including IIJ), Capital raised to JPY8.63 billion(including capital reserve)

#### Revenue: JPY204 billion +6.0%YoY Operating Income: JPY7 billion +16.2%YoY

#### Enterprise NW Services

#### Continue executing FY18 strategy to make them stable revenue & income growth drivers

- > Offer "digital workplace" with NW/Mobile/Virtual desktop/Cloud/Omnibus/Endpoint etc.
- > Toward FY20, further cultivate security demands with highly reliable and various security services
  - WAN revenue to decrease due to certain clients' change in NW

ΙοΤ

#### Execute flagship projects. Accumulate and deploy projects knowledge for the mid-term

- > Established a division dedicated to IoT by gathering in-house sales and engineers resources
- > Execute solutions for agriculture, factory, energy, transportation etc.

Mobile

#### Improve profitability by focusing on full-MVNO & enterprise mobile strategies

- > Full-MVNO revenue target JPY1.7 billion. Mobile gross profit to improve by JPY0.5 billion
  - Rebound effect in FY19 related to full-MVNO fixed cost as full-MVNO was launched in Mar. 2018
- ➤ In addition to FY18 projects, execute BtoBtoX transaction utilizing chip SIM & eSIM
- Aim to improve mobile infrastructure utilization by acquiring enterprise traffic

Cloud

# Continue executing strategy of offering highly value added & comprehensive solution for enterprises

- > Revenue target JPY22.5 billion. Continuously accumulate revenue through Multi cloud & UOM services etc.
- > Prepare and implement to integrate service facilities to Shiroi DC

SI

# Further emphasize competitive advantage of having SI function for Cloud & IoT projects, Increase profit continuously

- > SI gross profit to increase by expanding SI business scale and having continuing effect from FY18 strategies
- > Overseas business targets: revenue JPY8.7 bn, operating income JPY0.2 bn Aim to achieve JPY10 bn revenue soon

New

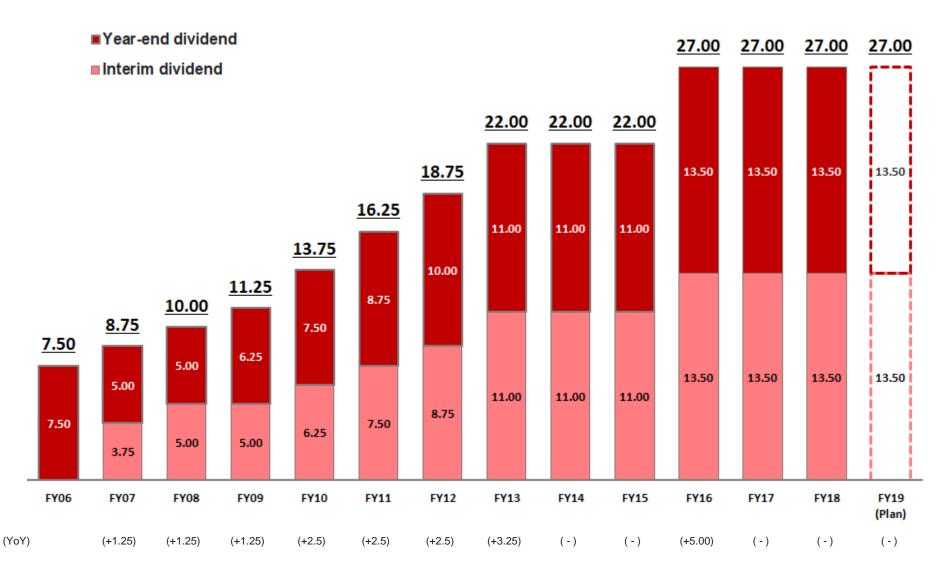
- ◆ DeCurret Upgrade exchange service and launch settlement service (1H19)
- ◆ JOCDN Complete data migration of the large contents distributer

  Acquire more contents distribution demands by strengthening partnerships

<sup>\*</sup> Strategy to make good use of employees and business operation through work place that is fully utilizing digital technology

Internet Initiative Japan Inc.

Unit: JPY

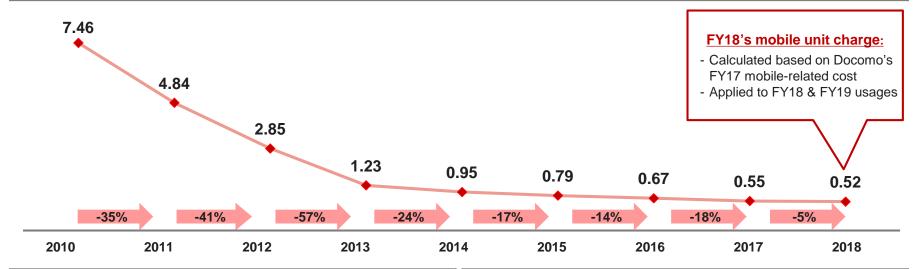


# Mobile Unit Charge for MVNO (NTT Docomo)



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

Unit: JPY million



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

	(1) Docomo's payment arrangement	(2) IIJ's estimate	(3) Actual results
FY14	40%	40%	24%
FY15	25%	15%	17%
FY16	15%	12%	14%
FY17	15%	14%	18.2%
FY18**	15%	14%	5%*

<sup>(1)</sup> Fixed in April, (2) Based on comprehensive consideration including (1), (2) and others, (3) Fixed next March

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

- Mobile unit charge is a unit charge used when MVNOs such as IIJ purchase mobile infrastructure from MNOs such as NTT Docomo.
- > The charge is
  - calculated and revised every year by MNOs accordingly with the rules of the Ministry of Internal Affairs and Communications.
  - same flat-rate for all MVNOs leasing from the same MNO
  - is fixed 1 year after and applied to current and a previous year

Adoption of "future cost method" has been discussed

# 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
    - ✓ Continuously expanding the facility to meet demands
  - Own 1 data center: Matsue Data Center Park (Shimane prefecture)
  - ✓ Japan's first container-type data center using outside-air cooling system
  - ✓ 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 C		
Accommodation  Service facility, data center housing services etc.  • Mainly to meet the middle-to-long term eastern Japan of center demand		
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 Completed in April 2019, opened in May 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 & Al for cooling & energy control, and automated operations with robotics technology etc.

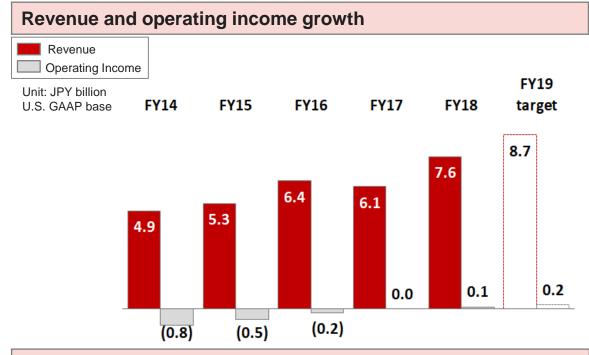
#### **New Data Center Image**



#### 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**



#### 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
- > Business in Asia: gradually growing
  - Increasing demand for NW, SI and etc. in China and Thailand, related to Japanese customers
  - Indonesia: Large public infrastructure SI project, cloud business gradually growing
  - Vietnam: Cybersecurity Law (Jan. '19),
     Opened another facility in Hanoi in addition to existing Ho Chi Min
- 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)

# **Corporate Governance**

#### **Fully Comply with the J-SOX**

- Implemented outside directors since 2004
- Operate based on J-SOX (Japan's Financial Instruments and Exchange Law), Japanese version of Sarbanes-Oxlev
- Evaluate the effectiveness of internal control over financial reporting based on Japanese standard overseen by the Financial Service Agency (FSA) of Japan

#### **Directors with Abundant Experience**

5 outside directors among 13 BOD members, 7 independent directors among 17 directors & auditors

#### Outside directors

T. Tsukamoto
Y. Tanahashi
S. Oda
T. Okamura
Former Chairman of Mizuho Bank
Former Chairman of NSSOL
Former President of HP Japan
T. Okamura
Former Chairman of Toshiba
Former President of NTT Comware

#### > Board of Auditors

Consisted of CPA, Attorney, female auditors

#### > Director compensation

- Based mainly on base salary, stock option: 8-14%
- Annual compensation within JPY100 million range

#### **Business Operation Covering the entire Group**

- ➤ 16 subsidiaries, 8 equity method investees
- Implement group-wide Code of Ethics
- Pursue comprehensive business operation by assigning IIJ directors as group companies outside directors
- Consolidated-based internal audit

#### ESG in the nature of IIJ business

Have been contributing greatly to establish and expand Internet in Japan as the first comprehensive commercial ISP in Japan

#### > Environment

- Contribute significantly by operating stable and reliable Internet
- Have developed container-based data center which emits much lesser Carbon dioxide compared to traditional building type datacenters.

#### > Social

- 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.
- First in Japan to introduce Service Level Agreement on categories of availability, latency, packet loss, and outage notification

#### > Governance

- Board of Auditors is liaison of Whistle-blower system
- Established code of ethics, regulations to prevent insidertrading, protection of personal information

# 1Q FY2019 Consolidated Financials Results (IFRS)

**Announced on August 7, 2019** 

Unit: JPY billion

	% of Revenues	% of Adjusted Revenues [% of Revenues]	
	1Q19 Results	1Q18 Adjusted Results	Compared to 1Q18 Adjusted Results
		[1Q18 Results]	[Compared to 1Q18 Results]
	Apr. 2019 - Jun. 2019	Apr. 2018 - Jun. 2018	
Revenues	49.8	44.8	+11.1%
	85.2%	85.8% [84.8%]	
Cost of Sales	42.4	38.5	+10.3%
		[38.0]	[+11.7%]
	14.8%	14.2% [15.2%]	
Gross Profit	7.4	6.3	+16.3%
		[6.8]	[+8.1%]
	12.0%	12.2%	
SG&A etc.(*2)	6.0	5.5	+9.5%
	2.8%	1.9% [3.0%]	
Operating Profit	1.4	0.9	+58.8%
		[1.4]	[+2.2%]
	2.7%	2.1% [3.2%]	
Profit before tax	1.4	0.9	+45.2%
		[1.4]	[-3.9%]
	1.6%	1.2% [1.9%]	
Net Profit (*3)	0.8	0.5	+42.9%
		[0.9]	[-11.1%]

% of Revenues
FY19 Targets
Apr. 2019 - Mar. 2020
204.0
84.6%
172.6
15.4%
31.4
12.0%
24.4
3.4%
7.0
3.1%
6.3
1.7%
3.5

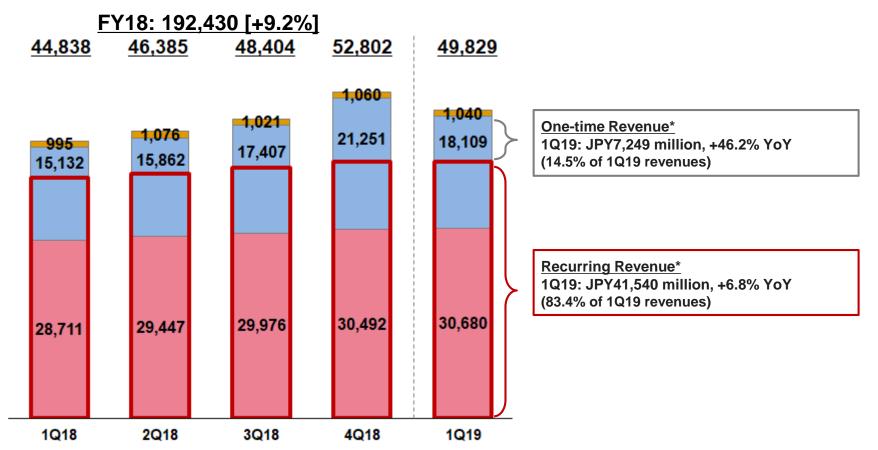
<sup>(\*1)</sup> Adjusted results is calculated by allocating JPY2.05 billion of additional NW service cost recorded in 4Q18 as a result of NTT Docomo's mobile interconnectivity unit charge revision (March 2019) to attributable each quarter of 1Q19. For details, please refer to page 5 of this presentation material.

<sup>(\*2)</sup> SG&A etc. shows the sum of SG&A, which includes R&D expenses, and other income/expenses.

<sup>(\*3)</sup> Net profit is "Profit for the period/year attributable to owners of the parent"

Revenues

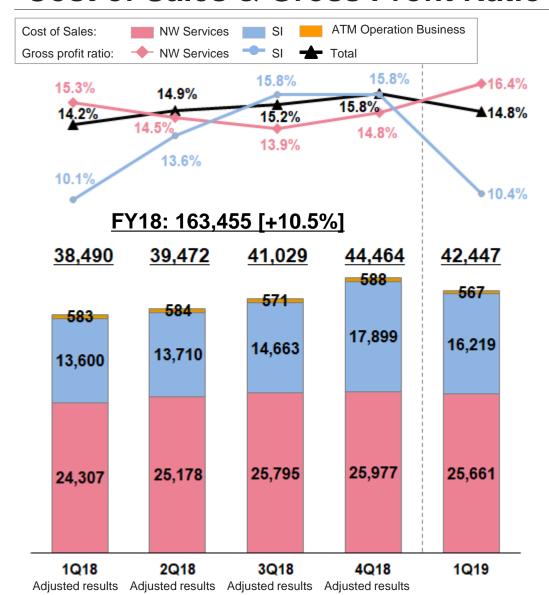




<sup>\*</sup> One-time revenue, systems construction revenues which includes equipment sales, is mainly recognized when systems or equipment are delivered and accepted by customers

<sup>\*</sup> Recurring revenue 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 Sales & Gross Profit Ratio**



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

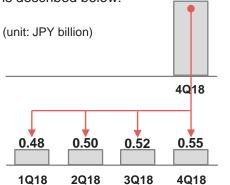
#### **Gross profit**

#### **♦** Total

1Q19: JPY7,382 million+16.3% YoY from 1Q18 adjusted results

#### **♦ NW Services**

- > 1Q19: JPY5,019 million +14.0% YoY from 1Q18 adjusted results
  - Allocation of JPY2.05 billion, additional NW service cost recorded in 4Q18 as a result of NTT Docomo's mobile interconnectivity unit charge revision, to attributable each quarter of FY2018 is described below:

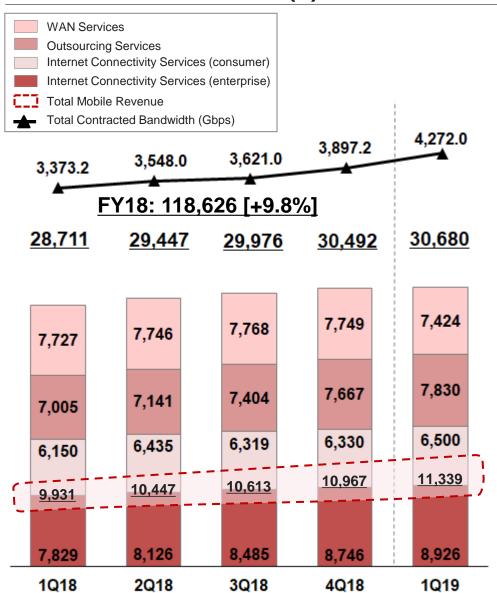


 Full-MVNO related fixed cost increased by over JPY0.3 billion per quarter (from Mar. 2018)

#### **♦** SI

- ➤ 1Q19: JPY1,890 million, +23.3% YoY
- Adjusted results are calculated by allocating JPY2.05 billion of additional NW service cost recorded in 4Q18 as a result of NTT Docomo's mobile interconnectivity unit
  charge revision to attributable each quarter of FY2018. FY2018 figures disclosed in this presentation material from this page reflect such adjustment
- SI includes equipment sales

# **Network Services** (1)Revenues



Unit: JPY million
[ ], YoY =Year over year comparison
QoQ = 1Q19 compared to 4Q18

#### **NW Services Revenues**

#### **◆**Internet Connectivity (Enterprise)

- > 1Q19: +14.0% YoY, +2.1% QoQ
  - Mobile revenue continued to increase
  - ✓ 1Q19-end total subscriptions: 2,786 thousand (up 342 thousand YoY)
  - √ 1Q19-end MVNE clients: 152 (+9 clients YoY)
  - ✓ IP services and others achieved YoY growth with no significant pricing pressure from clients: IP services +2.2% YoY

#### **◆**Internet Connectivity (Consumer)

> 1Q19: +5.7% YoY, +2.7% QoQ

#### **♦** Outsourcing Services

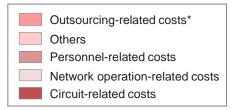
- > 1Q19: +11.8% YoY, +2.1% QoQ
  - Strong demands for Security and Omnibus
    - ✓ 1Q19 Security revenue: +20.0% YoY
    - √ 1Q19 Omnibus revenue: +51.4% YoY

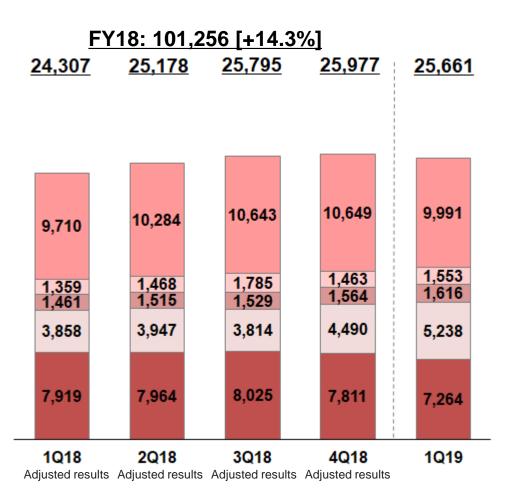
#### **♦WAN Services**

- > 1Q19: -3.9% YoY, -4.2% QoQ
  - FY19 revenue is expected to decrease by approx. JPY4.0 billion YoY, due to existing large clients migrating to mobile.

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 Sales





#### **Cost of NW Services**

- 1Q19: +5.6% YoY, -1.2% QoQ from 1Q18 adjusted results, respectively
- Along with changes in accounting for operating lease from 1Q19, data center rent costs were reclassified from outsourcing-related costs to network operation-related costs (depreciation of assets)
- ◆ Regarding NTT DOCOMO's ("Docomo") mobile interconnectivity cost recognition:
  - Regarding our FY18 & FY17 usage charge, Docomo's mobile interconnectivity telecommunications charge was fixed in Mar. 2019 and it decreased by 5.0% YoY As for FY18, we recorded JPY2.05 billion of additional network services cost as a difference between our estimate (14% decrease) and actual (5.0% decrease)
  - Regarding our FY17& FY16 usage charge, Docomo's mobile interconnectivity telecommunications charge was fixed in Mar. 2018 and it decreased by 18.2% YoY As for FY17, we recorded JPY0.89 billion of positive cost reduction impact as a difference between our estimate (14% decrease) and actual (18.2% decrease)
  - Regarding our FY19 & FY18 usage charge, Docomo's unit charge is expected to be revised in Mar. 2020.
     Docomo's payment arrangement is 5% off temporarily from Apr. 2019
  - In FY19, we estimate a certain decrease for the unit charge by considering decrease rate fixed in Mar. 2019 and FY18 Docomo cost trends, and apply our own decrease rate to recognize costs quarterly

Unit: JPY million

[ ], YoY =Year over year comparison

QoQ = 1Q19 compared to 4Q18

<sup>\*</sup> Outsourcing-related costs include interconnectivity charge for mobile infrastructure and customer support center operation costs etc.

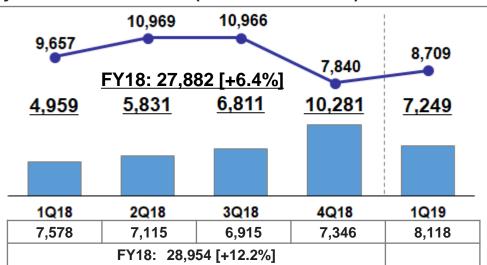
# Systems Integration (SI) (1) Revenues

Unit: JPY million
[ ], YoY = Year over year comparison
QoQ = 1Q19 compared to 4Q18

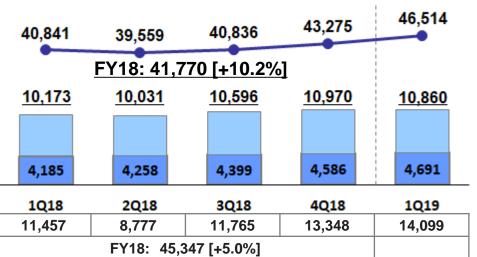
**Financials** 



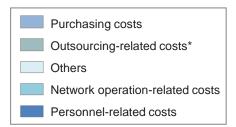
### **Systems Construction (one-time revenue)**



### **Systems Operation & Maintenance (recurring revenue)**



- 1Q19 revenue: +46,2% YoY
  - Revenue growth includes JPY1.34 billion of revenue recognition due to percentage-ofcompletion method
- > 1Q19 order received: +7.1% YoY
  - Favorable systems construction order environment continued
- ➤ Large-scale construction orders received in 1Q19:
  - Home page renewal for a central government agency
  - Security monitoring for a major telecommunications service provider
  - Office work IT environment for a prominent real estate agency
  - Virtual desktop environment for a prominent amusement park operator etc.
- > 1Q19 revenue: +6.8% 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
  - 1Q19 revenue from private cloud: +12.1% YoY
  - 1Q19 revenue from SI construction: +3.0% YoY



1Q18

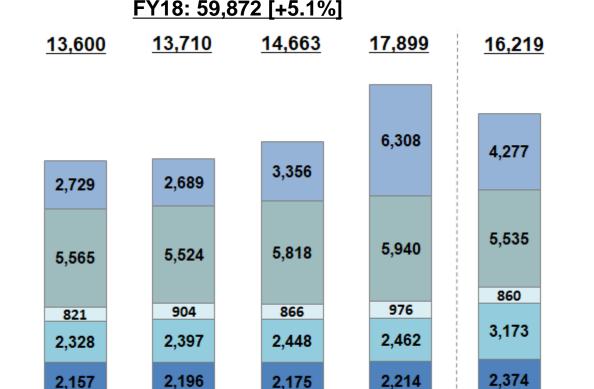
Unit: JPY million

[ ], YoY =Year over year comparison

QoQ = 1Q19 compared to 4Q18

#### Cost of SI

- > 1Q19: +19.3% YoY
  - 1Q19-end number of SI-related outsourcing personnel: 1,075 personnel (increased by 36 personnel YoY, decreased by 27 personnel QoQ)
  - SI-related outsourcing personnel and costs decreased QoQ. Outsourcingrelated and personnel-related costs tend to increase along with increase in projects
- System engineers productivity rate continue to be stable, following the trend of gross profit improvement in FY18
- Along with changes in accounting for operating lease from 1Q19, a portion of systems operation and maintenance costs such as outsourcing were reclassified from outsourcing-related costs to network operation-related costs (depreciation of assets)



3Q18

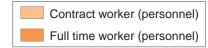
2Q18

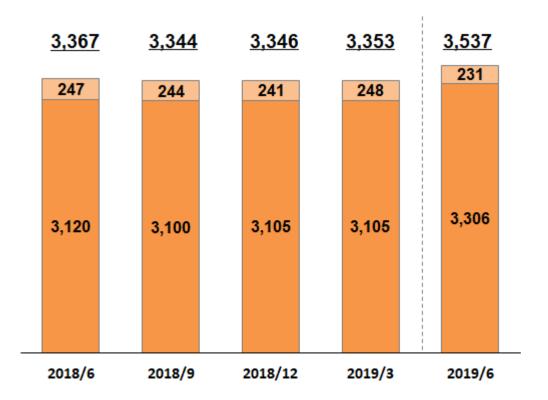
1Q19

4Q18

<sup>\*</sup>Outsourcing-related costs include SI project-related outsourcing personnel costs

# **Number of Employees**



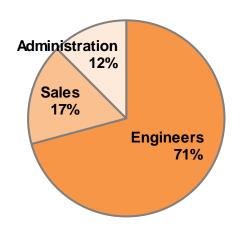


### Personnel-related costs & expenses

Unit: JPY million ( ) = % of revenue

1Q18	2Q18	3Q18	4Q18	1Q19
5,920 (13.2%)	6,003 (12.9%)	5,920 (12.2%)	<b>6,100</b> (11.6%)	6,402 (12.8%)
	FY18: 23,942 (12.4%)			

### **Employee Distribution**



- Hired 171 new graduates in Apr. 2019 (175 in Apr. 2018, 148 in Apr. 2017)
- ◆ FY19 net addition of employees is planned to be approx. 230.
- ◆ Incremental volume of FY19 annual personnel-related costs and expenses is expected to be larger than usual level due to revision of personnel remuneration structure, etc.

Unit: JPY million

[ ], YoY = Year over year comparison

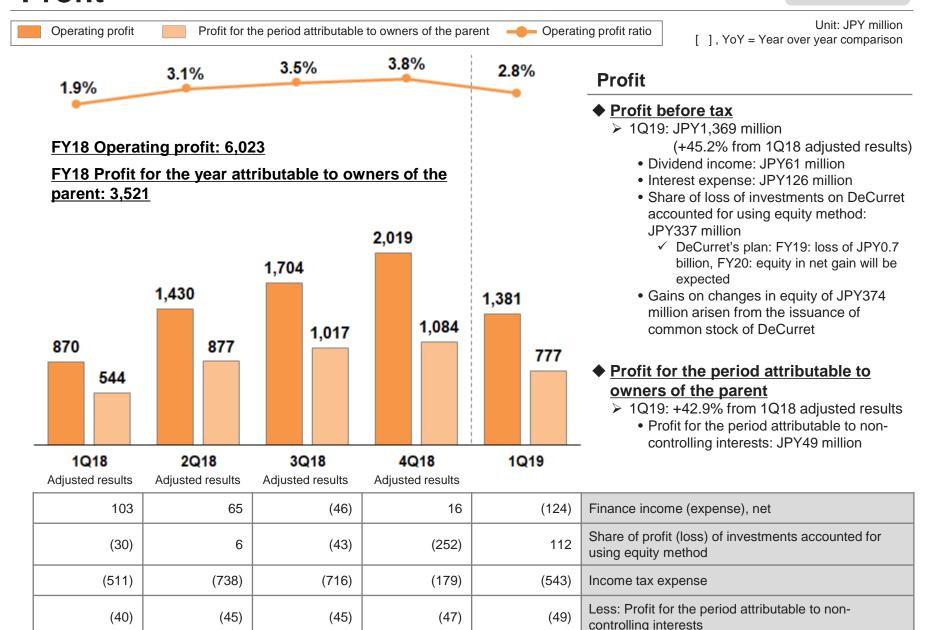


#### FY18: 22,652 [+5.5%] 5,522 5,471 5,605 6,055 6,042 (12.3%)(11.8%)(11.6%) (11.5%)(12.1%)93 103 131 118 975 104 1,043 838 871 897 2,651 2,450 2,228 2,417 2,190 2,446 2,336 2,305 2,279 2,219 1Q18 2Q18 3Q18 4Q18 1Q19

#### SG&A etc.

- ◆ 1Q19 commission expenses
  - +JPY172 million YoY
  - Commission expenses such as for mobile services increased
- ◆ 1Q19 others +JPY222 million YoY
  - Advertising expenses increased +72 million YoY
- ◆ 1Q19 personnel expenses +JPY142 million YoY

Profit



## **Consolidated Statements of Financial Position (Summary)**

**Financials** 

Unit: JPY million

	Mar. 31, 2019	June 30, 2019	Changes	
Cash and cash equivalents	31,958	32,893	+935	
Trade receivables	33,376	31,264	(2,112)	
Inventories	3,403	1,836	(1,568)	
Prepaid expenses (current and non-current)	16,560	20,230	+3,670	
Tangible assets	33,136	18,855	(14,281)	
Right-of-use assets	=	51,880	+51,880 <	Note 1
Goodwill and intangible assets	24,901	24,027	(875)	
Investments accounted for using the equity method	4,838	5,331	+494	
Other investments	11,402	9,691	(1,711)	
Others	7,715	8,384	+669	
Total assets:	<u>167,289</u>	<u>204,390</u>	<u>+37,101</u>	
Trade and other payables	21,962	17,531	(4,431)	
Borrowings (current and non-current)	26,750	29,000	+2,250	
Deferred income (current and non-current)	10,980	11,716	+735	
Income taxes payable	1,139	1,130	(10)	
Retirement benefit liabilities	3,489	3,532	+44	
Other financial liabilities (current and non-current)	19,183	57,332	+38,149 <	Note 2
Others	6,666	6,327	(339)	
Total liabilities:	<u>90,170</u>	<u>126,567</u>	+36,398	
Share capital	25,519	25,519	-	
Share premium	36,226	36,240	+14	
Retained earnings	12,335	14,075	+1,740	
Other components of equity	4,089	3,043	(1,046)	
Treasury shares	(1,897)	(1,897)		Note 3
Total equity attributable to owners of the parent:	<u>76,271</u>	<u>76,979</u>	<u>+708</u> <	

Note1: Breakdown of right-of-use assets as of June 30, 2019: JPY36,589 million for operating leases (office rent contracts etc.), JPY15,291 million for finance lease (transferred from tangible and intangible assets)

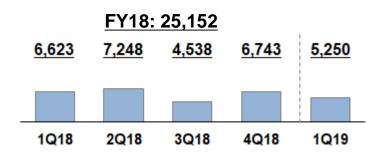
Note 2: Details of other financial liabilities as of June 30, 2019: JPY36,623 million for operating lease (office rent contracts etc.)

Note 3: Ratio of total equity attributable to owners of the parent: 45.6% as of March 31, 2019 37.7% as of June 30, 2019

<sup>\*</sup> Along with the adoption of IFRS 16, certain operating lease related assets and liabilities are recognized on Statements of Financial Position
Internet Initiative Japan Inc.

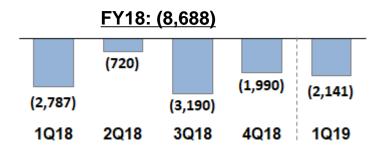
Unit: JPY million YoY = Year over year comparison

## **Operating Activities**



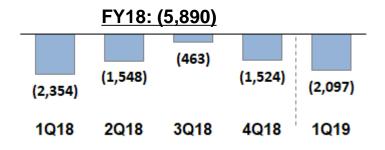
	Major Breakdown	YoY Change
Profit before tax	1,369	-56
Depreciation and amortization	7,164	+3,555
(related to right-of use assets under operating lease contracts	3,127	+3,127)
Changes in operating assets and liabilities	-2,057	-5,646

## **Investing Activities**



	Major Breakdown	YoY Change
Purchase of tangible assets	-2,947	-1,376
Purchase of intangible assets such as software	-1,650	-87
Proceeds from sales of equity securities	2,650	+2,650

### **Financing Activities**

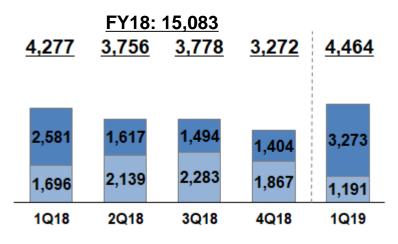


	Major Breakdown	YoY Change
Payments of other financial liabilities	-5,158	-3,461
(related to operating lease	-3,142	-3,142)
(related to finance lease	-1,766	-246)
Proceeds from short-term borrowings	3,000	+3,000

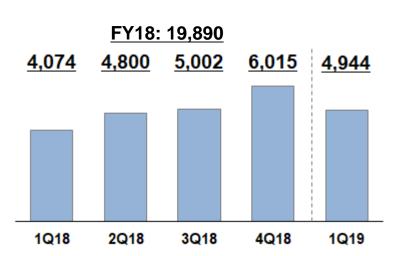
#### **CAPEX**

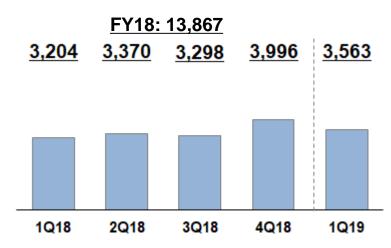
### **CAPEX-related depreciation and amortization\***





#### Adjusted EBITDA\*



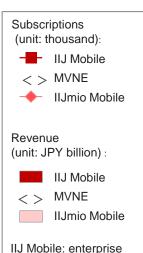


<sup>\*</sup> CAPEX-related depreciation and amortization is calculated by excluding depreciation and amortization of assets that do not have the nature of capital investment, such as right-of-use assets related to operating leases, small-amount equipment and customer relationship.

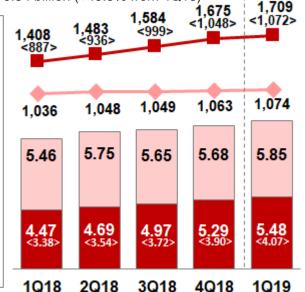
<sup>\*</sup>Adjusted EBITDA is calculated by adding adjusted operating profit and CAPEX-related depreciation and amortization.

### Mobile revenue & subscription

- ◆ 1Q19-end total subscriptions: 2,786 thousand (+14.0%)
- ◆ 1Q19 total revenue: JPY11.34 billion (+14.2%)
  - Full-MVNO: JPY0.34 billion (+49.9% from 4Q18)

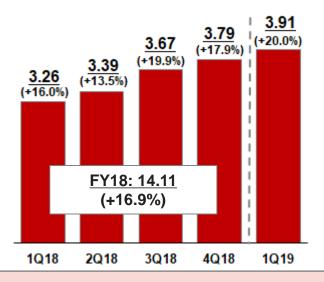


IIJmio Mobile: consumer



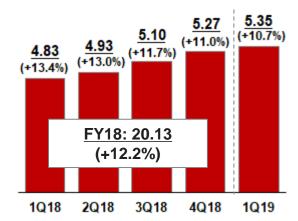
### Security-related revenue

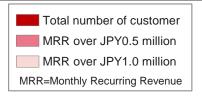
- ◆ Each services such as SOC, DDoS Protection, Cloud-based Web security, and Cloud-based ID management grew
- ◆ Security services revenues are recognized in outsourcing services revenue

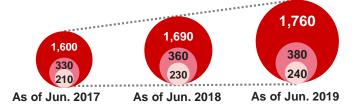


#### Cloud-related revenue & Customer Base

- ◆ 1Q19 IIJ Raptor revenue: IIJ Raptor JPY0.78 billion (+JPY0.12 billion from 4Q18)
- ◆ 1Q19 revenue recognition:
  - > 87.6% SI operation & maintenance,
  - > 12.4% outsourcing
- ◆ FY2019 revenue target: JPY22.5 billion







## **Recent Business Developments**

**DeCurret** Raised Capital: Enterprise Shareholders Increased to 30 July Full-MVNO/loT First in Japan to launch eSIM services Full-MVNO/loT Full-MVNO Services adopted by Motorola Solutions Full-MVNO/loT June Started PoC of Public LTE & Private LTE integrated Cloud May Added Google Cloud Platform<sub>TM</sub> as a new multi cloud connecting point Full-MVNO/loT Launched SoftSIM, adopted by WABCO Japan **JOCDN** Apr. WOWOW became a shareholder **Data Center** Completed the construction of Shiroi Data Center Campus **NW Services** "IIJ Flex Mobility Service" adopted by Dai Nippon Printing

# **FY19 Financial Targets (remain unchanged)**

Unit: JPY billion YoY = Year over year comparison

	% of Revenues
	1Q19 Results
	Apr. 2019 - Jun. 2019
Total Revenues	49.8
	85.2%
Cost of Sales	42.4
	14.8%
Gross Profit	7.4
(*4)	12.0%
SG&A etc.	6.0
	2.8%
Operating Profit	1.4
Shares of profit (loss) of	
investments accounted for using equity method	0.1
	2.7%
Profit before tax	1.4
	1.6%
Net Profit <sup>(*2)</sup>	0.8

		YoY = Ye	ar over year comparison
% of Revenues  1H19 Targets  Apr. 2019 - Sep. 2019	Compared to 1H18 Adjusted Results [Compared to 1H18 Results]	% of Revenues  FY19 Targets  Apr. 2019 - Mar. 2020	YoY
дрг. 2013 - Оср. 2013	[Compared to Title Results]	Apr. 2010 Mar. 2020	
97.7	+7.1%	204.0	+6.0%
85.5%		84.6%	
83.5	+7.1%	172.6	+5.6%
14.5%	[+8.5%]	15.4%	
14.2	+7.1%	31.4	+8.4%
12.3%	[-0.3%]	12.0%	
12.0	+9.5%	24.4	+6.3%
2.3%		3.4%	
2.2	-4.3%	7.0	+16.2%
	[-33.0%]		
(0.7)	-	(0.6)	-
1.5%		3.1%	
1.5	-38.6%	6.3	+7.8%
0.6%	[-56.3%]	1.7%	
0.6	-57.8%	3.5	-0.6%
	[-71.4%]	00	210,70

<sup>(\*1)</sup> SG&A etc. shows the sum of SG&A, which includes R&D expenses, and other income/expenses.

<sup>(\*2)</sup> Net Profit is "Profit for the year (period) attributable to owners of the parent."



The internet started in Japan in 1992, along with IIJ. Since that time, the IIJ Group has been building the infrastructure for a networked society, and with our technical expertise, we have continued to support its development. We have also continued to evolve our vision for the future and innovate to make it a reality. As an internet pioneer, IIJ has blazed the trail so that others could realize the full potential of a networked society, and that will never change. The middle "I" in "IIJ" stands for "initiative," and IIJ alway starts with the future.

#### **Disclaimer**

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.