

Fiscal 2021 Financial Results Presentation

Fiscal Year Ended January 31, 2022

(38th Fiscal Year)

ACCESS CO., LTD.
March 2022



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1. Highlights of FY2021
Fiscal Year Ended January 2022
(38th Fiscal Year)

Highlights of FY2021 (1)

- Net sales increased by 31.1% year-on-year due to increased royalty income and orders received
- EBITDA improved by JPY 616 million year-on-year
- Impairment loss of JPY 210 million was reported due to the impairment of goodwill in NetRange, which was acquired in FY2019

(JPY Million)	FY2021	YoY
Net sales	9,853	+31.1%
Operating profit	(3,219)	- (YoY: -2,641)
EBITDA*	869	+243.4% (YoY: 253 +616)
Profit attributable to owners of parent	(3,049)	- (YoY: -2,537)

* : EBITDA=Operating profit + Depreciation and Amortization + Amortization of Goodwill

Reference: Non-consolidated results for FY2021

- Core businesses showed steady financial results, and net sales increased year-on-year
- Gain on investments in investment partnerships of JPY 502 million was reported as non-operating income
- Loss on valuation of investments in capital of subsidiaries and associates of JPY 1,654 million was reported as extraordinary loss*

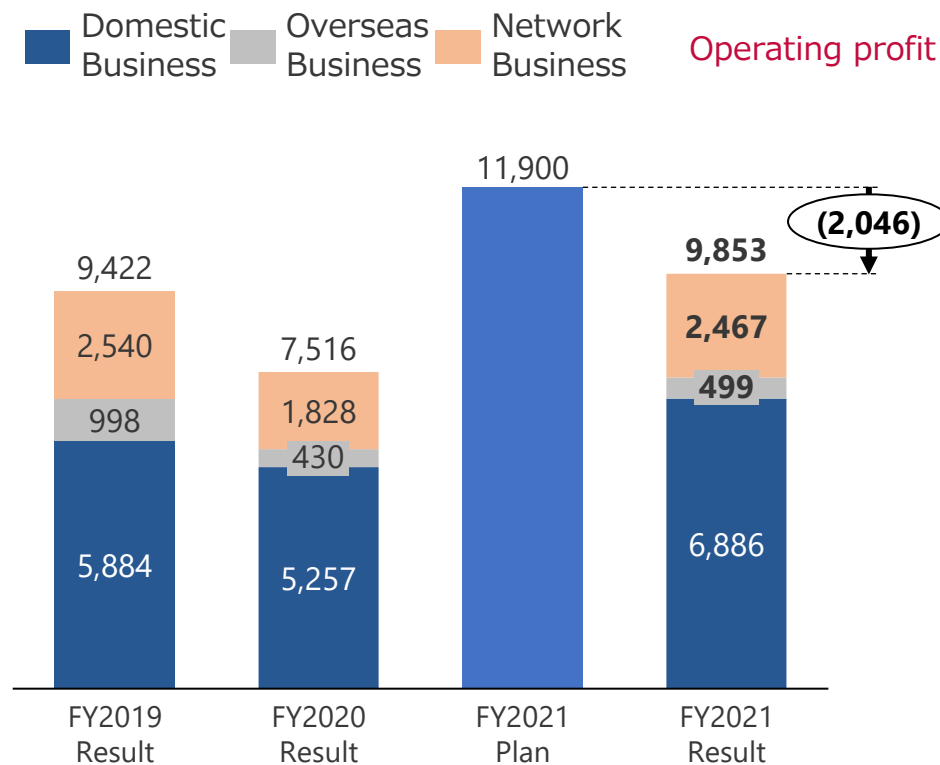
(JPY Million)	FY2021	YoY
Net sales	5,920	+27.6%
Operating profit	(193)	- (YoY: -749)
Ordinary profit	360	- (YoY: -542)
Basic earnings	(1,292)	- (YoY: -680)

* : This loss arose from a valuation for accounting purposes, and the expense is a non-financial expense, so there is no impact on cash flows or consolidated financial results.

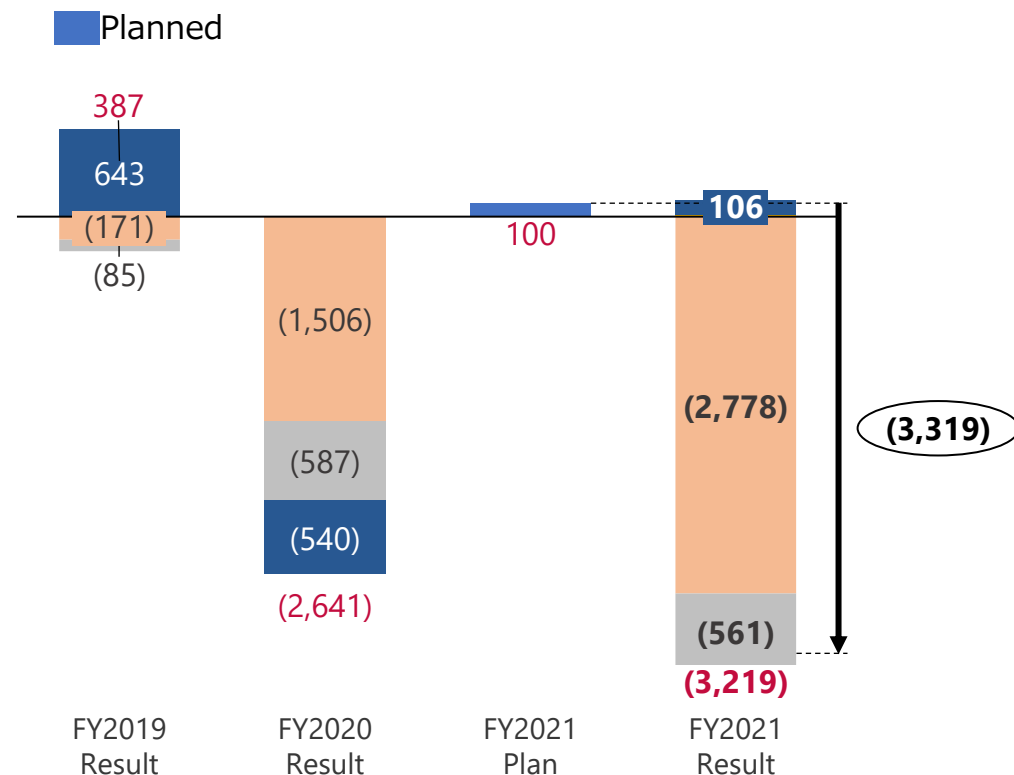
Highlights of FY2021 (2)

- Net sales increased in each segment, but both net sales and operating profit were below the initial plan
- Regarding cost of sales and selling, general and administrative expenses, depreciation for software and expenses associated with enhancement of personnel structure increased

Net sales by segment
(JPY Million)



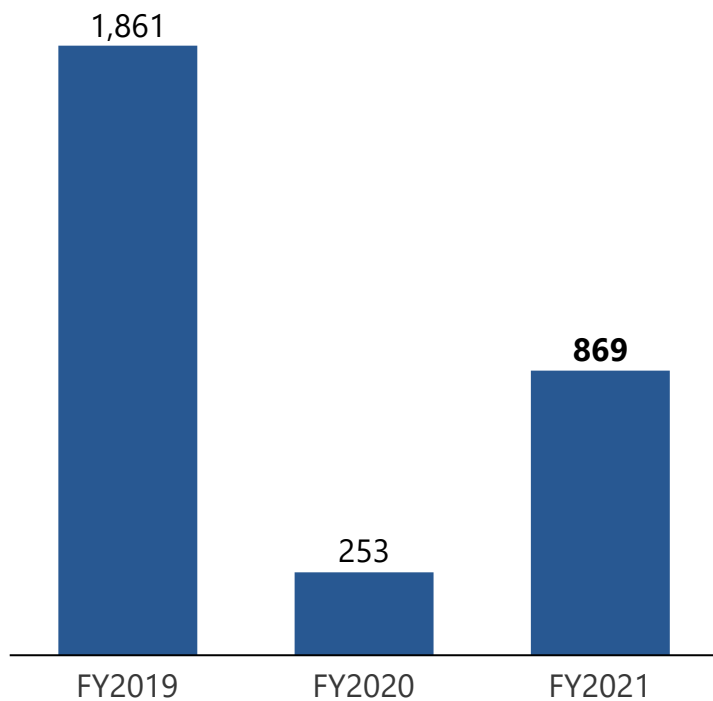
Operating profit • Segment profit
(JPY Million)



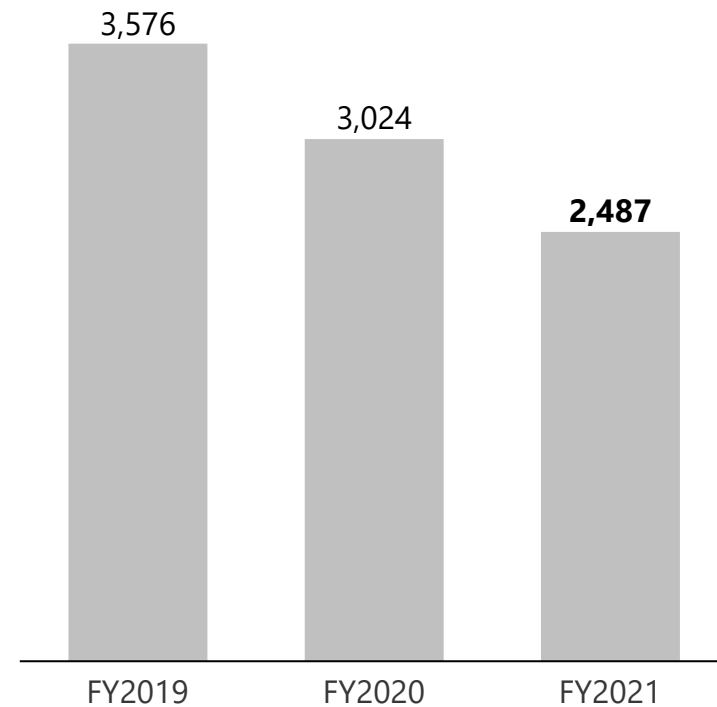
Highlights of FY2021 (3)

- EBITDA increased year-on-year
- Continued to invest in product development, particularly in the Network Business

■ Consolidated EBITDA
(JPY Million)



■ Investment in software development
(JPY Million)



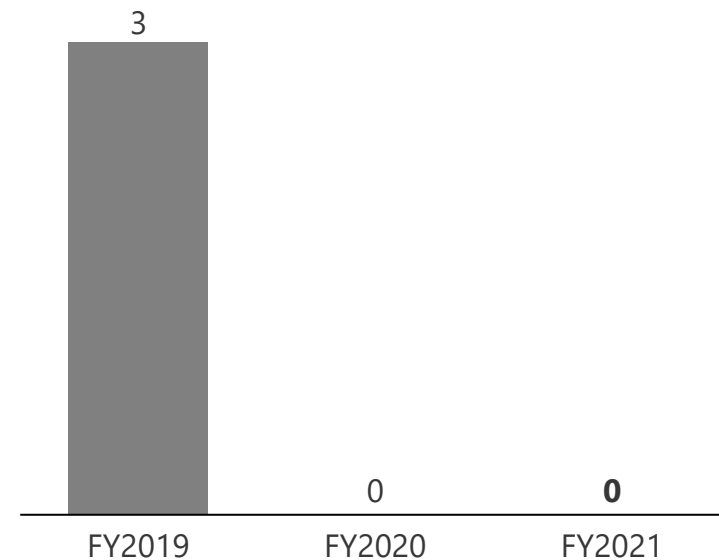
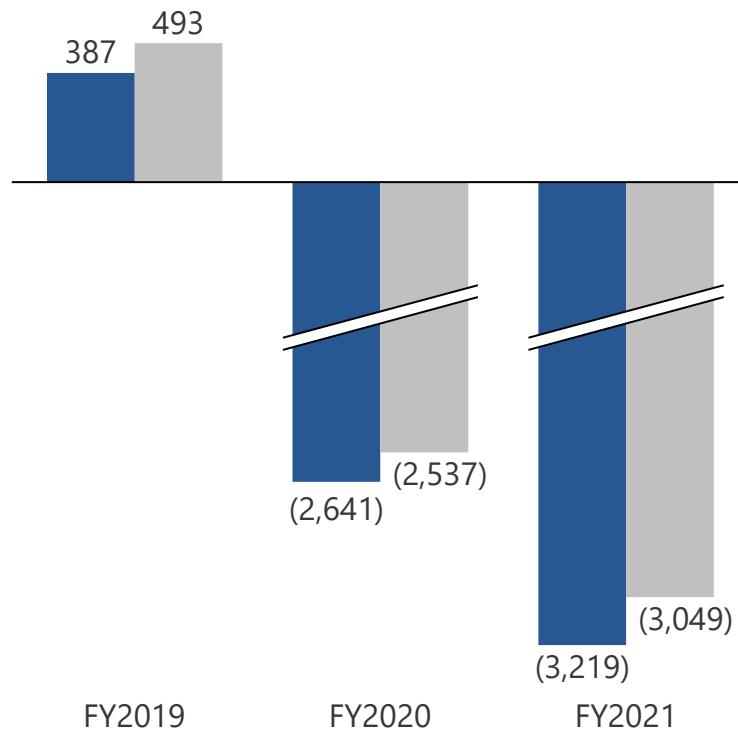
Highlights of FY2021 (4)

- Forgo dividend for FY2021, in light of consolidated financial results for the full year

■ Operating profit and profit attributable to owners of parent (JPY Million)

■ Operating profit ■ Profit attributable to owners of parent

■ Dividend per share (JPY)

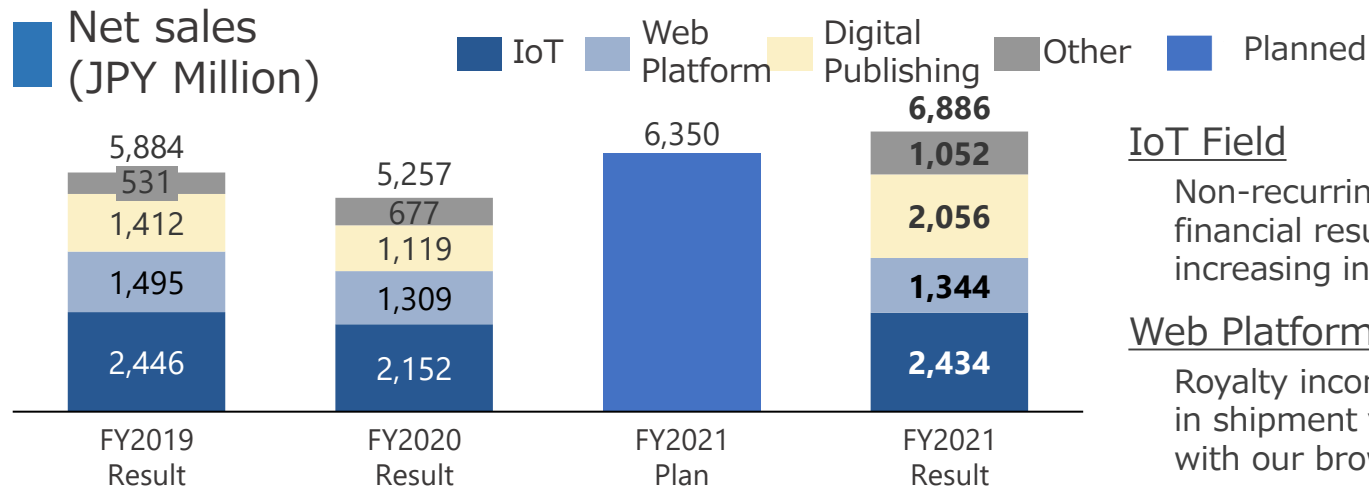


2. Highlights of Segment Results of FY2021 Fiscal Year Ended January 2022 (38th Fiscal Year)

Highlights of Segment Results of FY2021 (1)

(Domestic Business)

- Net sales and profits increased year-on-year as every business showed steady financial results
- In the Digital Publishing field, as part of efforts to improve profitability, a licensing agreement was concluded indefinitely granting the right to use some products



IoT Field

Non-recurring Engineering projects showed steady financial results, and orders increased with increasing inquiries regarding in-house products

Web Platform Field

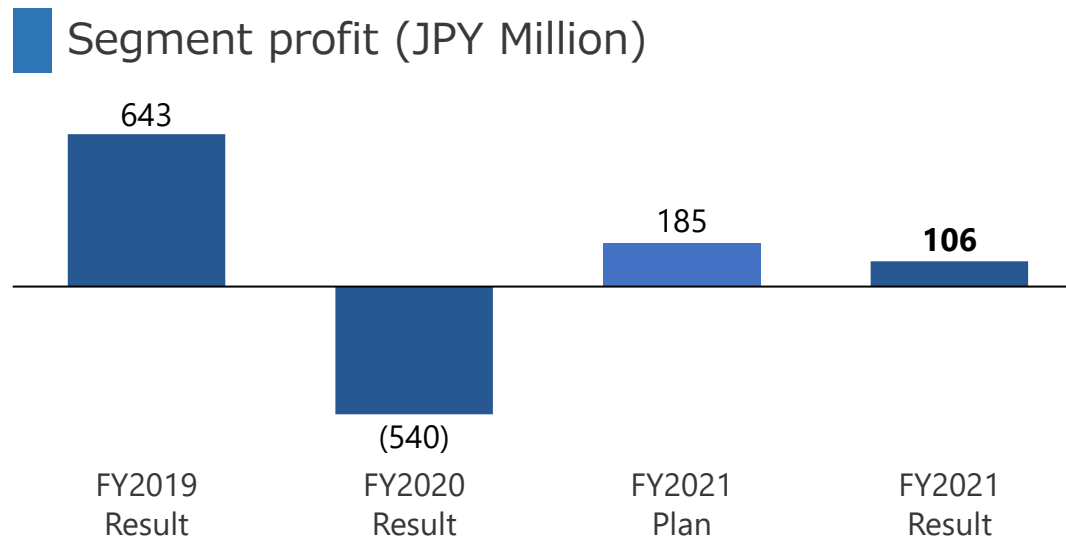
Royalty income increased with brisk growth in shipment volume of the products installed with our browsers

Digital Publishing Field

A licensing agreement was concluded indefinitely granting the right to use some products, and sales increased, but a deficit was recorded

Other

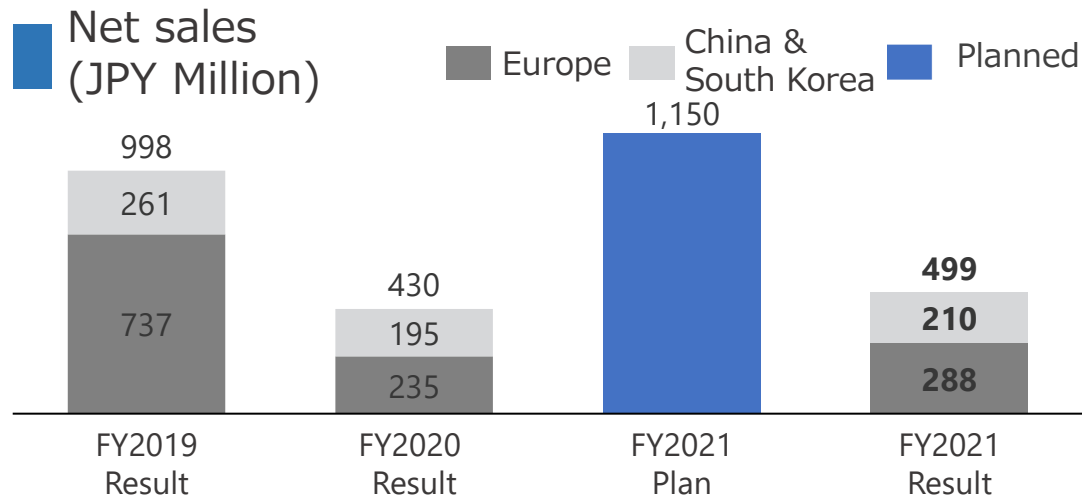
Services to mail-order businesses in a Taiwanese subsidiary showed steady financial results



Highlights of Segment Results of FY2021 (2)

(Overseas Business)

- Europe continued to record a deficit due to the delay in launching a full-fledged market in fields for in-vehicle infotainment
- Impairment loss of JPY 210 million was reported as extraordinary loss due to the impairment of goodwill in NetRange

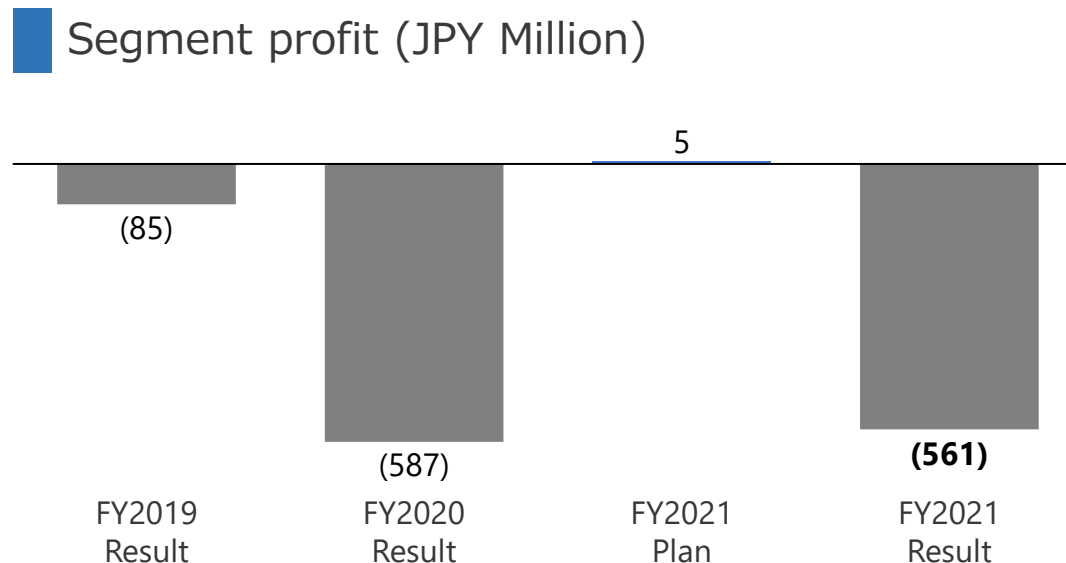


Europe

Loss expanded year-on-year due to the delay in launching a full-fledged market in fields for in-vehicle infotainment

China & South Korea

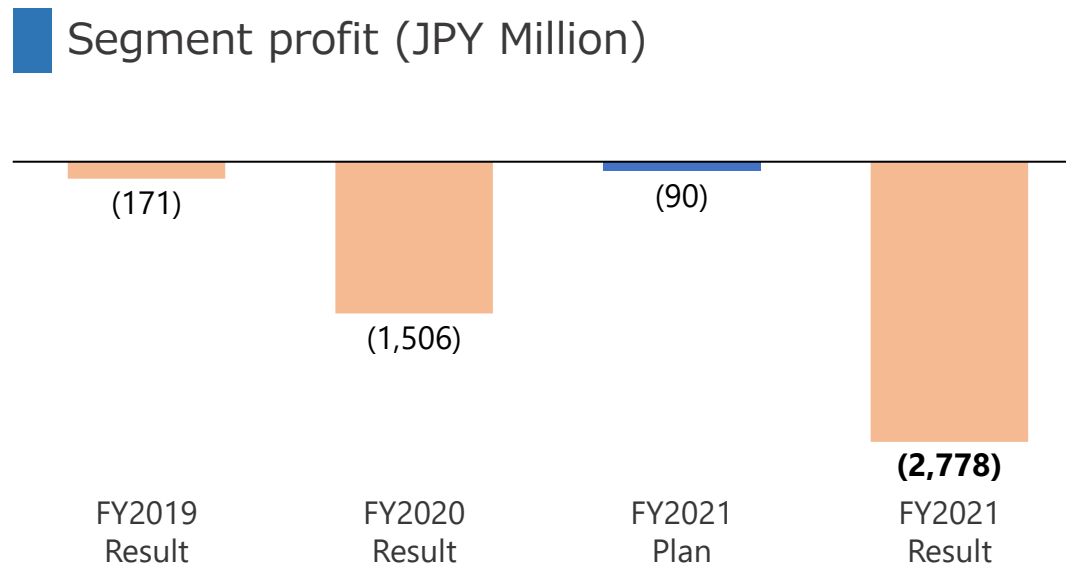
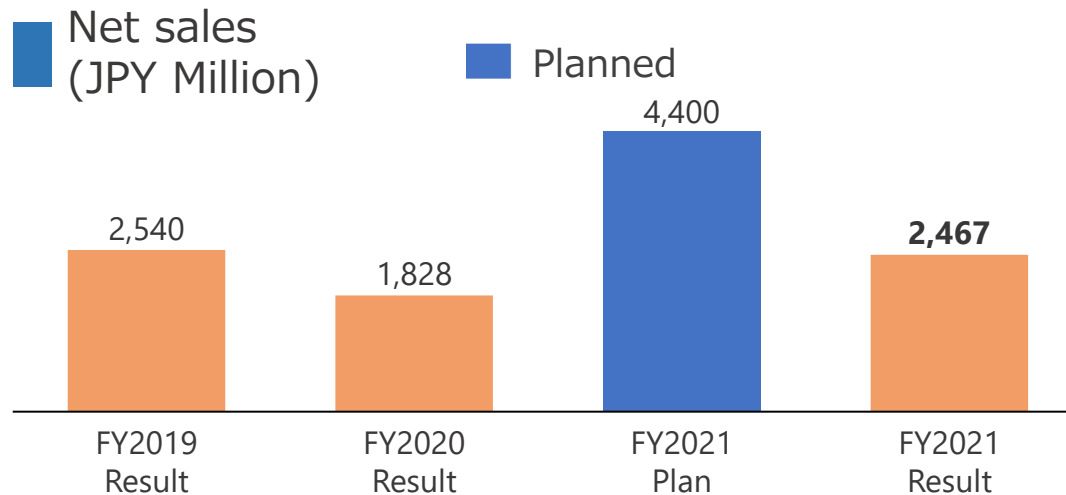
Royalty income increased with brisk growth in shipment volume of the products installed with our browsers



Highlights of Segment Results of FY2021 (3)

(Network Business)

- Net sales increased due to increased orders, but were below the initial plan
- Loss expanded year-on-year caused by increased personnel expenses and amortization of software



Segment as a whole

Project inquiries and orders steadily increased, and net sales increased by more than 30% year-on-year

However, the amount of the initial size and amount of orders received tended to be smaller than anticipated, and in response, efforts were made to increase sales by expanding sales channels and enhancing the customer support system, but the effects were limited

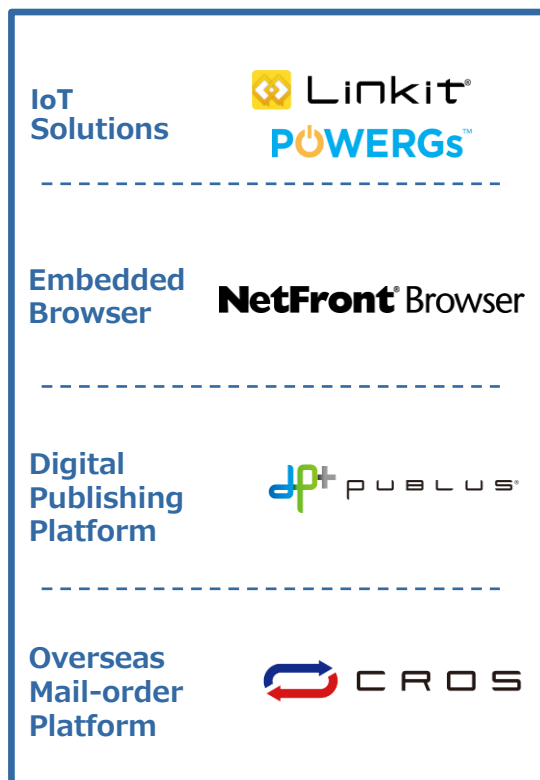
While focusing on winning projects from Tier 2/3 telecommunication service providers, aim to continue winning projects for large-scale licensing to Tier 1 telecommunication service providers and major service providers after selecting business feasibility and reliability

3. Medium-Term Targets

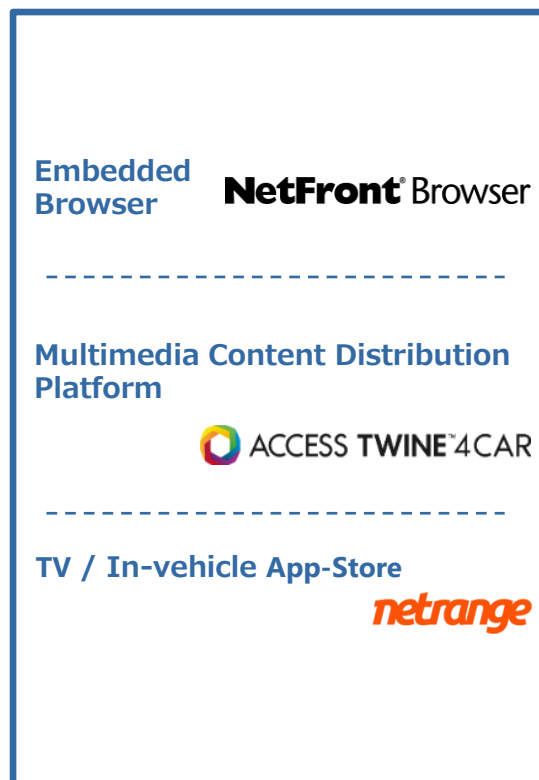
Current Business Development

- Develop diverse products and services by using wide-ranging technical ability that can adapt from planning to development and from hardware to backend, while placing the Embedded Browser business that is our original business.

Domestic Business Segment



Overseas Business Segment



Network Business Segment



Changes business segments

- Change business segments from FY2022 (39th fiscal year) for future growth
- Recategorize as IoT Business, Web Platform Business, and Network Business

Current Categories

Domestic Business



Overseas Business



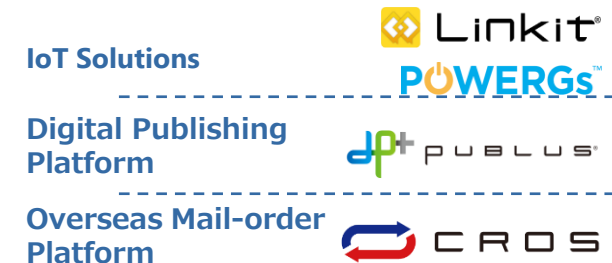
Network Business



Categories After Change

IoT Business

- ✓ Cut out embedded browser



Web Platform Business

- ✓ Integrated management of domestic and overseas web platforms



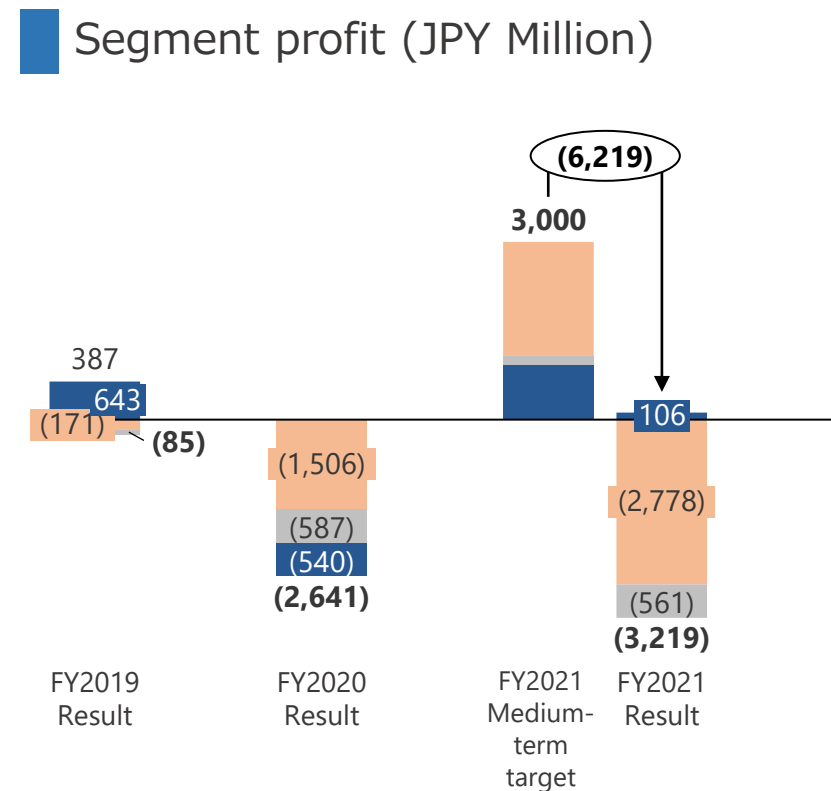
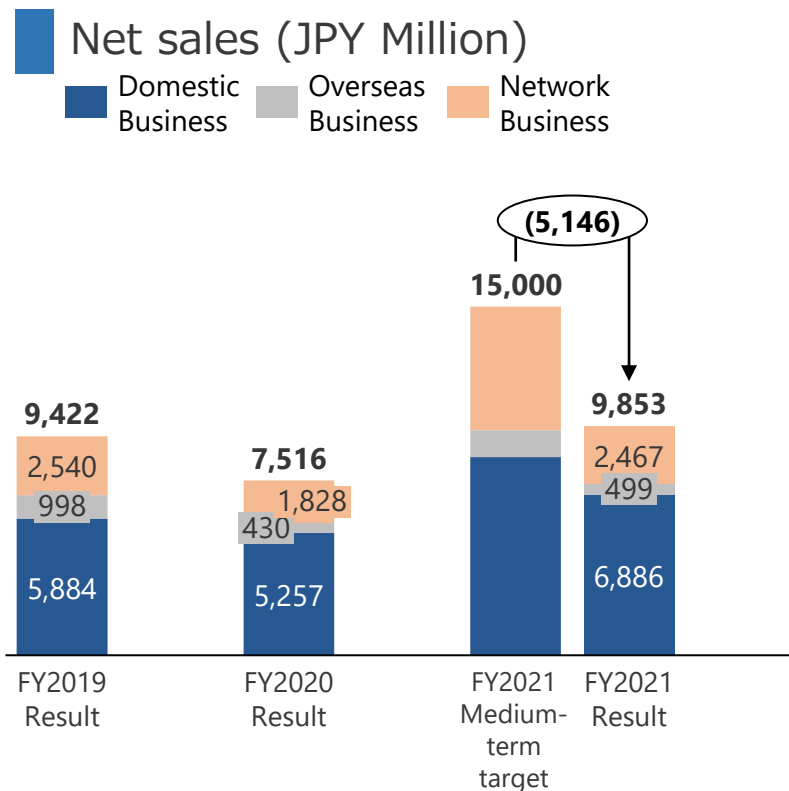
Network Business

- ✓ No change



Review of Consolidated Financial Results

- Recognize that consolidated financial results for FY2021 were impacted by the global proliferation of COVID-19 in FY2020, delays in the launch of the whitebox market and the in-vehicle content distribution market, and the deterioration of profitability in the Digital Publishing field
- Continue investing in product development focusing on the Network Business, considering that OcNOS order numbers and amounts (including multiyear contracts) have nearly doubled year-on-year and that customers have highly praised reductions in capital expenditures and operating costs



Business Plan

FY2022 plan

Current understanding based on FY2021

IoT Business

- **Grow by focusing resources on non-recurring engineering**, which is not only our business base, but also a source for the creation of new products/services
 - In parallel, try to **build up profit with in-house products**
 - In the **Digital Publishing field**, review the scale of investment and work to **improve profitability**

- **Net sales in non-recurring engineering overall grew by more than 30%** year-on-year. Handled a wide range of areas including servers, Web-frontend, project management, data analytics, machine learning, smart devices, security, and UI/UX design
- In the **Digital Publishing field**, despite having an advantage in browser-based viewers, competition has increased among system vendors including the Company and is taking on the appearance of warfare by attrition year by year, which has **deteriorated profitability**

Web Platform Business

- **Increase global share in fields already entered (TV, in-vehicle)**
- **Regaining profits in Europe is an urgent task**
 - ✓ TV: **Use track record in other locations** to develop business
 - ✓ In-vehicle: **Strengthen outsourced projects and browser sales to automotive companies** that currently are our main customers in Europe
- Monetize in new fields, such as in-vehicle multimedia content distribution and ad distribution

- **Delays in turning a profit** have arisen due to **delays in launch of field for IVI**
- Meanwhile, effects are steadily being seen in the **in-vehicle field**, such as **sales at major global manufacturers and new EV and other customers** from next year, and **contracts won with global TV chipset vendors**

Network Business

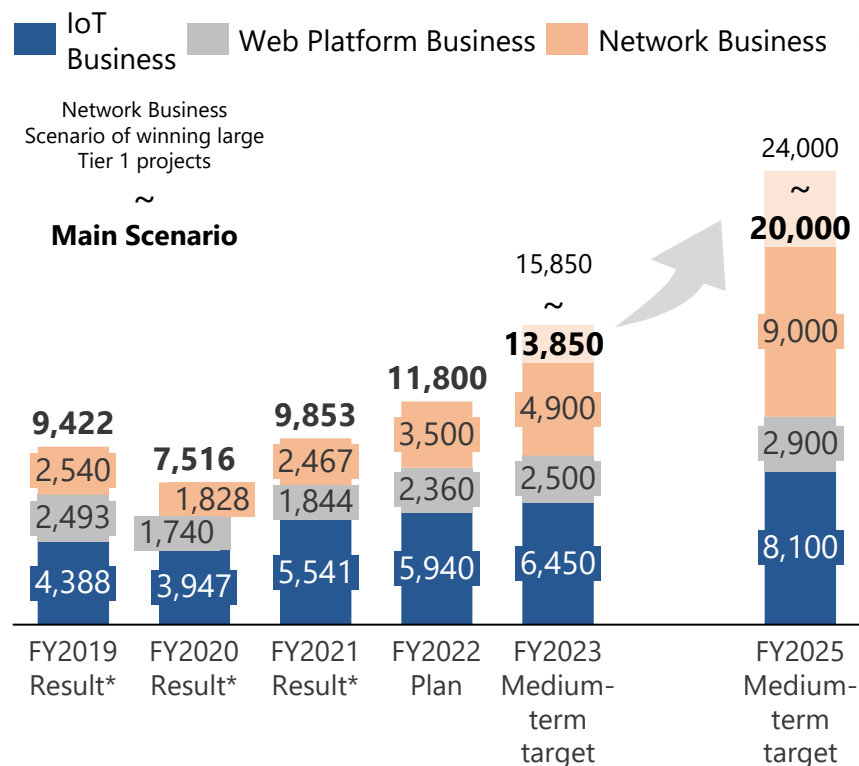
- Focus on **winning projects from Tier 2/3 telecommunication service providers**
- Aim to continue winning projects for large-scale licensing to Tier 1 telecommunication service providers and major service providers after selecting business feasibility and reliability
- Reductions in capital expenditures and operating costs have been highly praised by customers. Continue investing in product development in order to increase sales by expanding sales channels and extending product functions

- Recognize that the market is steadily being launched. For example, **OcNOS was adopted by more than 65 new customers** in 2021, and **both order numbers and total amount** (including multiyear contracts) **nearly doubled year-on-year**
- However, **adoption is taking longer** and **the amount of initial orders have been small** due to Tier 1 telecommunication service providers in particular being more conservative than anticipated toward adopting new technology

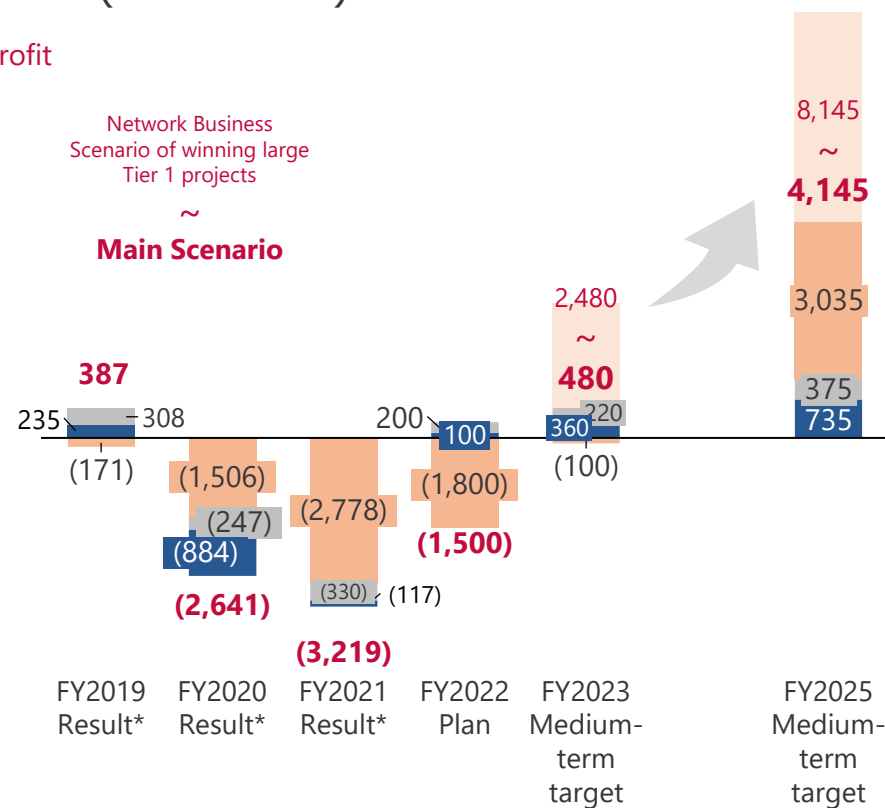
Medium-Term Targets

- With the growth of the Network Business, expect consolidated operating profit to return to profitability in FY2023
- Recognize that the Network Business has plenty of business potential, with the whitebox market continuing to grow, though later than initially anticipated
- Meanwhile, watch market trends, as the whitebox market itself is a new market, and the speed and scale of growth are uncertain
 - Further growth when large-scale projects are won from Tier 1 telecommunication service providers

Net sales by segment (JPY Million)

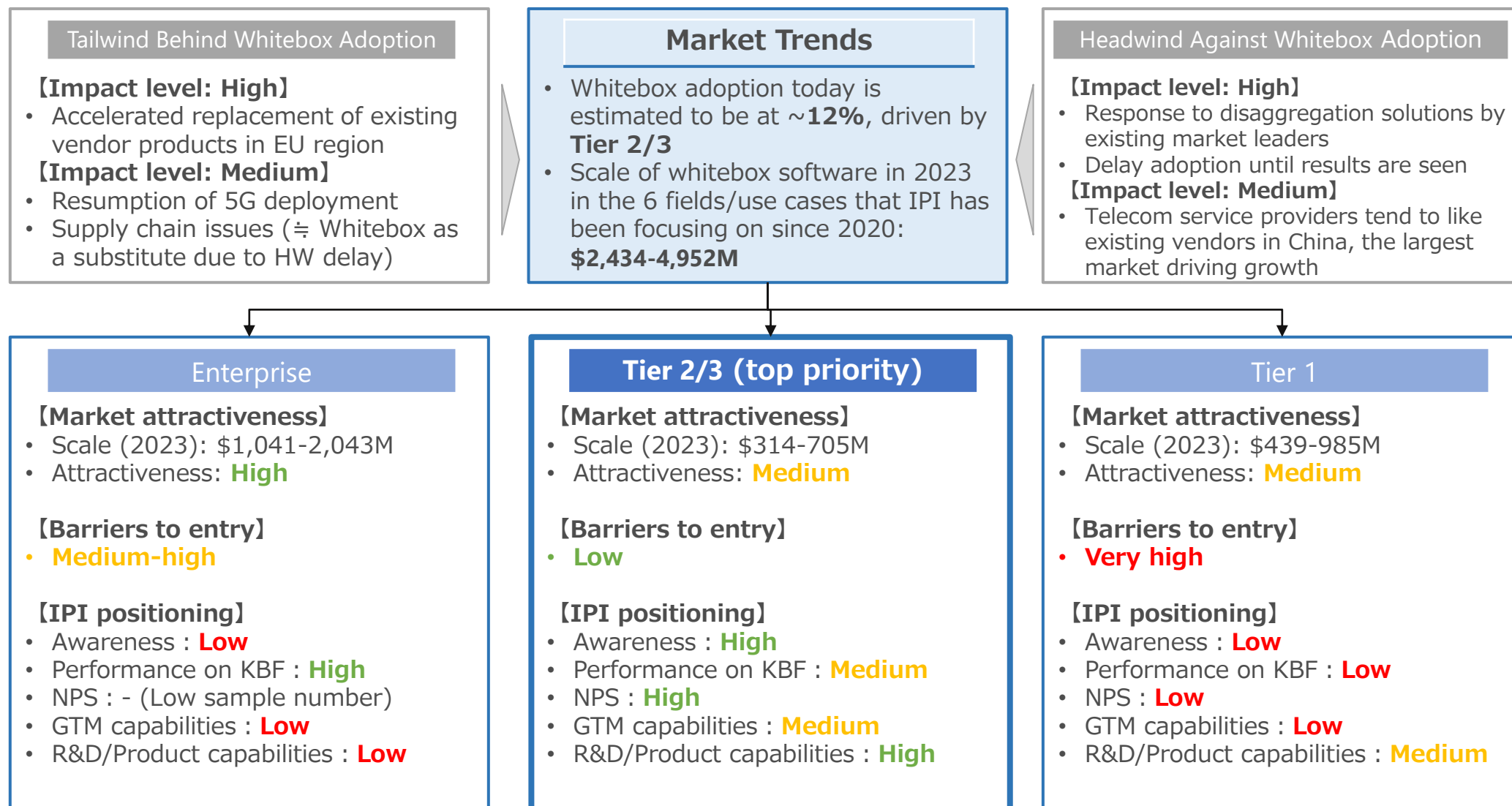


Operating profit • Segment profit (JPY Million)



*: Reference value after changing segments

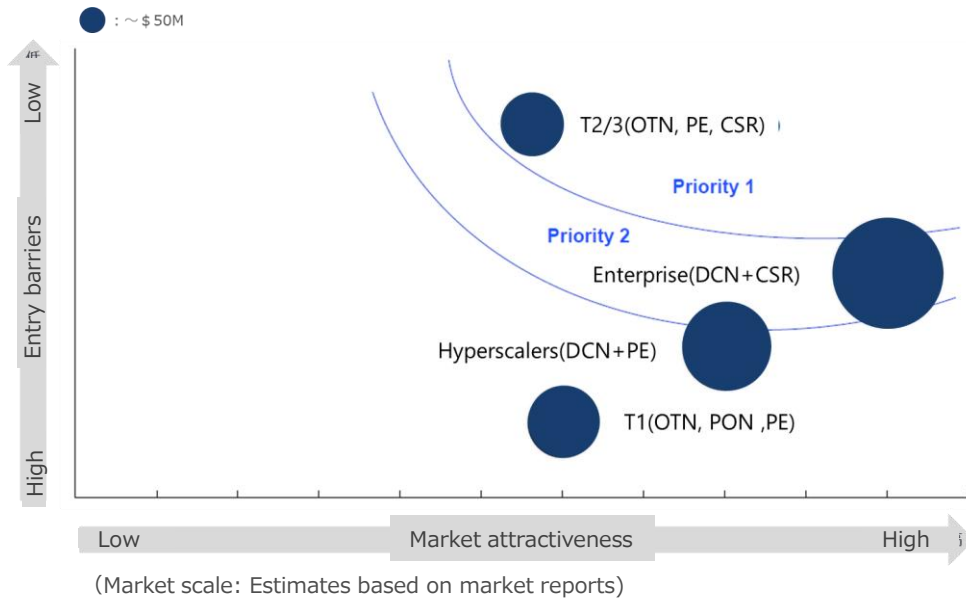
Reference: Our Understanding of the Whitebox Market



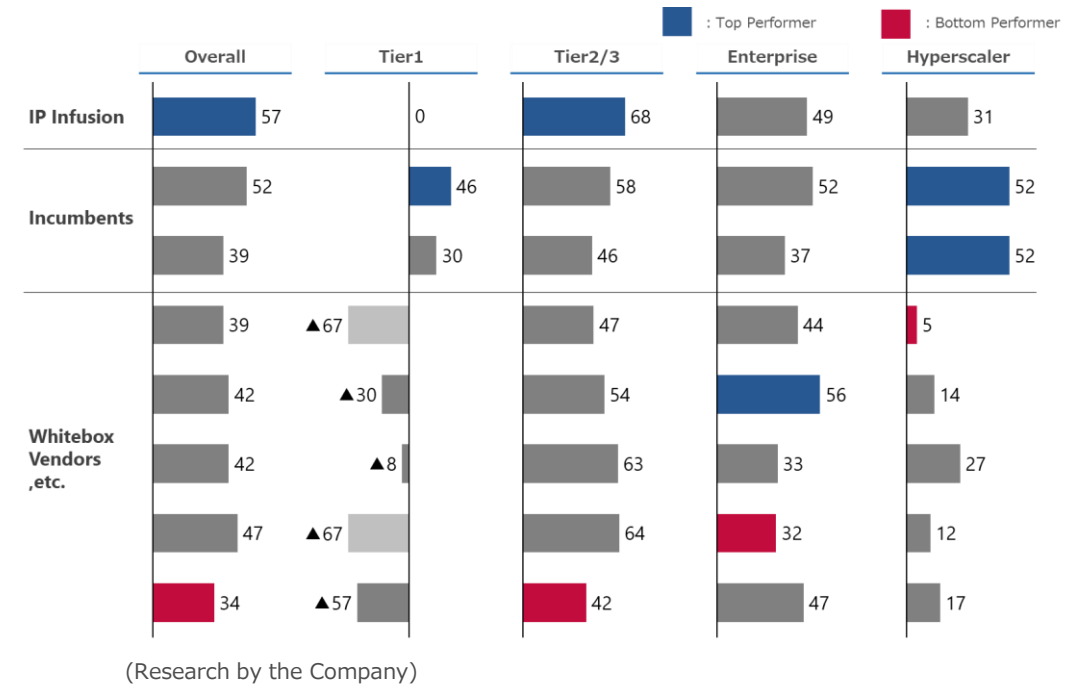
(Market scale: Estimates based on market reports)

Reference: Segment Distribution and NPS Score Comparison

Segment Distribution



NPS Score

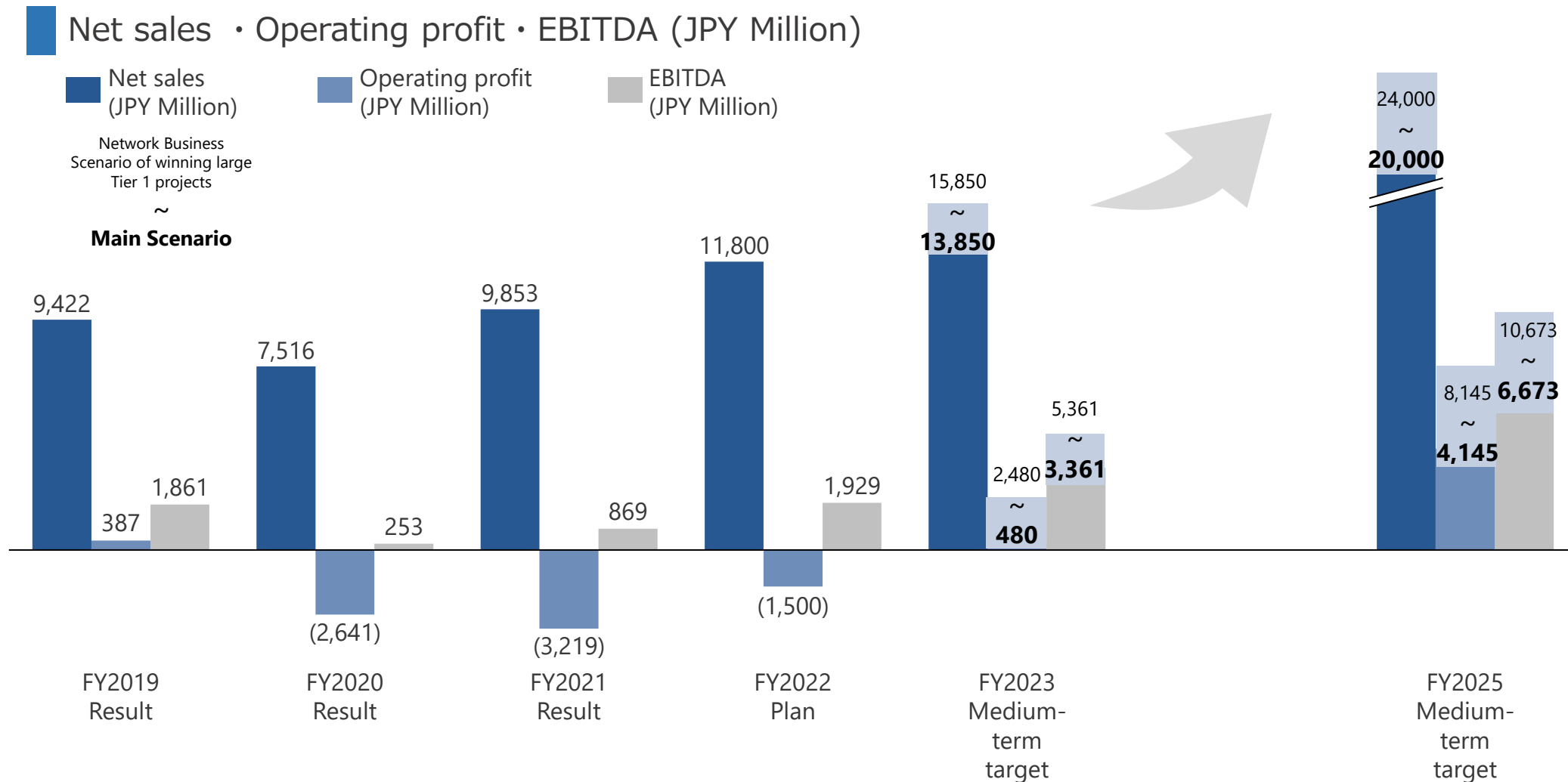


- Market attractiveness and entry barriers are plotted on two axes
- The priority of the three use cases of OTN, PE, and CSR are higher even in Tier 2/3
 - Scale of whitebox software in 2023 in these 3 use cases: \$181-417M

- IPI's NPS score in Tier 2/3 is higher than existing vendors and other whitebox vendors
 - Every segment shows an NPS score higher than other whitebox vendors

Trends of consolidated EBITDA

- Expect a return to profitability on FCF basis in FY2023
 - Assuming continued investment in software development around JPY 2-3 billion mainly in the Network Business



Financial Forecast for FY2022 (1)

				(JPY Million)
	FY2021 Result	FY2022 Forecast	Increase (Decrease)	Change (%)
Net sales	9,853	11,800	+1,946	+19.8%
Operating profit	(3,219)	(1,500)	+1,719	-
Ordinary profit	(2,646)	(1,550)	+1,096	-
Profit attributable to owners of parent	(3,049)	(1,750)	+1,299	-
Basic earnings per share (JPY)	(77.96)	(44.68)	+33.28	-
Annual dividend per share (JPY)	0.00	0.00	-	-

Financial Forecast for FY2022 (2)

		(JPY Million)			
		FY2021 Result*	FY2022 Forecast	Increase (Decrease)	Change (%)
IoT Business	Net sales	5,541	5,940	+398	+7.2%
	Segment profit (loss)	(117)	100	+217	-
Web Platform Business	Net sales	1,844	2,360	+515	+28.0%
	Segment profit	(330)	200	+530	-
Network Business	Net sales	2,467	3,500	+1,032	+41.8%
	Segment profit	(2,778)	(1,800)	+978	-

*: Reference value after changing segments

4. Network Business Details

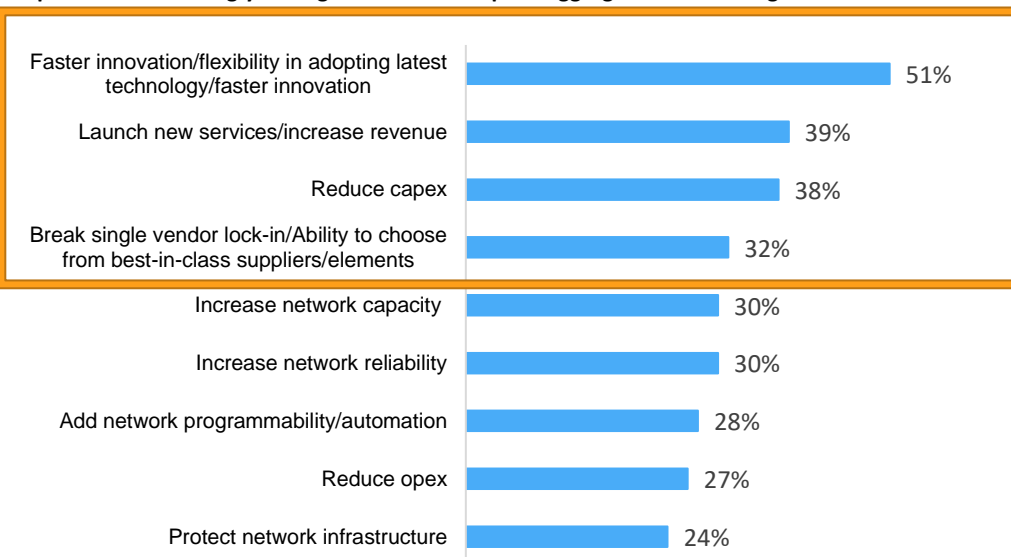
Network Business Details

- 1 Market Conditions
- 2 Business Progress
- 3 Future Business Development

White box Market Overview

- An oligopoly by giant companies has continued for a long time, and moves by industry groups calling for openness are gaining momentum
 - Telecom Infra Project: Facebook, Telefonica, Vodafone, BT, etc.
 - O-RAN Alliance: AT&T, China Mobile, NTT Docomo, Deutsche Telecom, Orange
- Analyst reports are also beginning to focus on this as a market
- Expect the openness that occurred in the server field will also occur in the Network Business
- What customers expect from Network Disaggregation
 - Innovation and flexibility, provision of new services, reduced costs, elimination of vendor lock-in
- Many customers are also anxious about product maturity, interoperability, and support for new operations

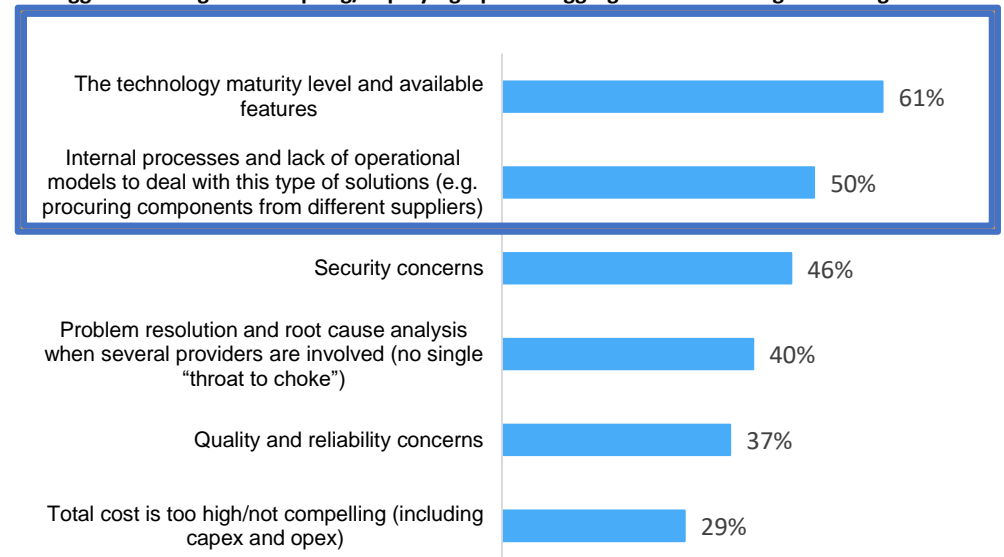
Top factors motivating your organization to adopt disaggregated networking solutions?



Source: Omdia

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Biggest challenges to adopting/deploying open disaggregated networking technologies



Source: Omdia

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Ranked No. 1 in Analyst Reports: (1) GigaOm Rader

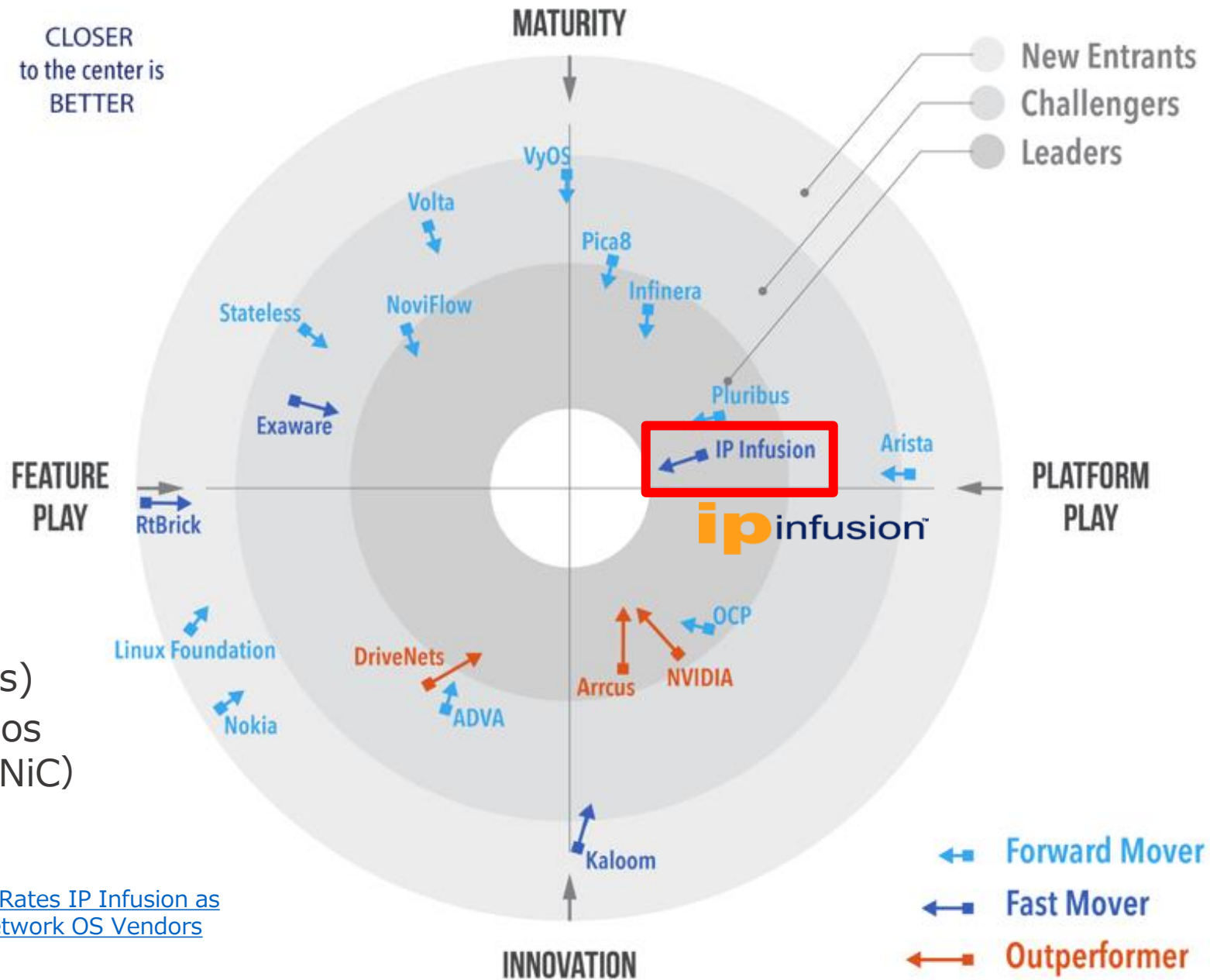
Received the highest rating in GigaOm Rader report

POINTS of High Rating

- Many examples of actual adoption
- Many supported functions
(IPI supports 6 fields)
- Many product portfolios
(OcNOS, Vyatta, SONiC)

Related announcement:

2/12/2021 [GigaOm Rader Report Rates IP Infusion as Market Leader Among WhiteBox Network OS Vendors](#)



The Highest Rating in Analyst Reports: (2) Analysys Mason

Received the highest rating in Analysys Mason report

POINTS of High Rating

- Many examples of actual adoption
- Many supported functions (support for 6 fields)
- Compatible with standard specs

Related announcement:
8/25/2021

[Analysys Mason Rates IP Infusion as Main Leader Among Network OS for Telecom Service Providers](#)



“IP Infusion is the market leader in terms of disaggregation capabilities, experience, open-source credentials and the number of CSP customers that are deploying their solutions”

Vendor	Overview	Use case support	Cloud-based platform architecture	CSP customer traction	Ecosystem and industry standards
Arrcus (15.5)	Arrcus is a start-up software company that provides hyperscale networking solutions with a single, cloud-native software architecture framework for all CSP IP network domains and data centres.				
DriveNets (16.0)	DriveNets is a start-up company that provides cloud-native, disaggregated routing software and orchestration solutions. The company pioneered the distributed disaggregated chassis (DDC) architecture, which is adopted by AT&T in its IP core network.				
Exaware (11.5)	Exaware started as a traditional network hardware vendor under the Compass brand. It shifted its focus to carrier-grade NOS for disaggregated routers based on the Broadcom DNX chipset and rebranded itself as Exaware in 2016.				
IP Infusion (17.5)	IP Infusion has over 20 years of experience in providing carrier-grade open networking software solutions to NEPs and CSPs. It offers multiple NOS including its own OcNOS, DANOS-Vyatta and the commercial SONiC distribution.				
RtBrick (12.5)	RtBrick is a software-centric start-up company that focuses on carrier-grade, disaggregated access and edge network NOS with an innovative database solution. Its main investors include Deutsche Telekom and Swisscom.				

¹ Key: Significantly below average Below average Market average Above average Market leader

Source: Analysys Mason

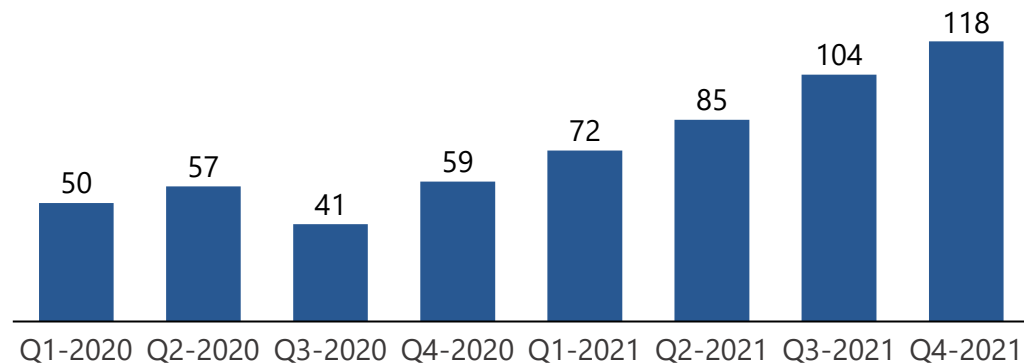
- 1 Market Conditions
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Business Progress in FY2021

- More than **65 New Customers** and **100 Repeat Orders** in 2021
- Steady increase in customers interested in trying whitebox
- Overwhelming achievements in the whitebox market

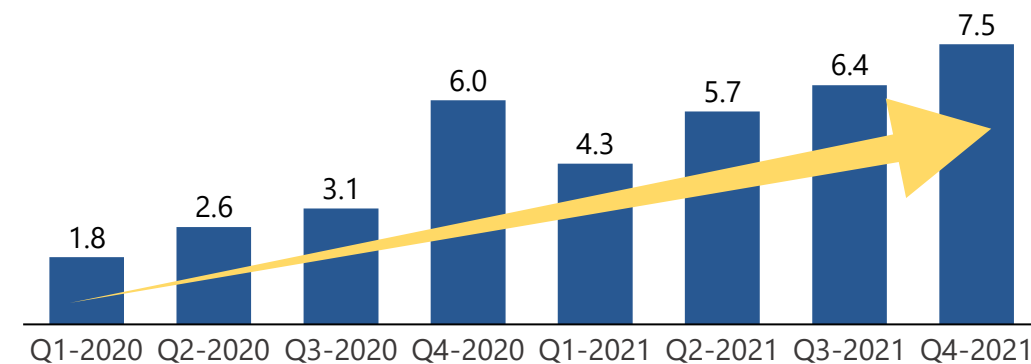
Number of projects contracted in 2021

- Growth in the number of projects **nearly doubled**
- Number is steadily increasing



Amount of orders received in 2021* (\$1MM)

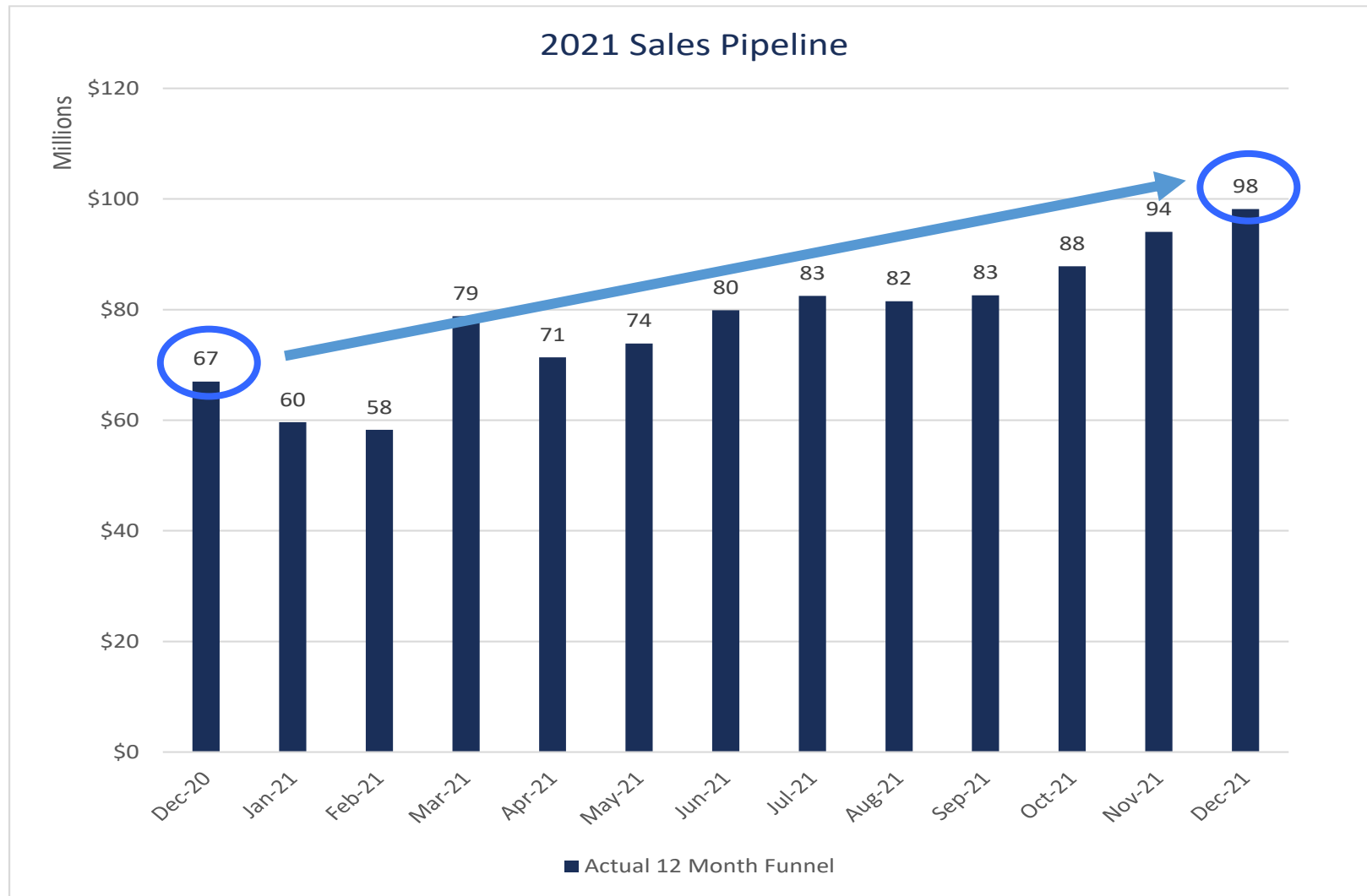
- Growth in the amount of orders **nearly doubled**
- New and repeat orders, and annual maintenance support are becoming recurring sales



*: Including multiyear contracts

Growth in Sales Pipeline

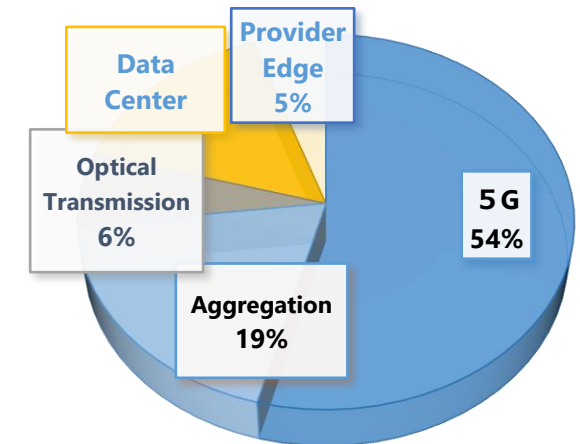
- As of January 2022, **98M** (up 47% in FY2021)
- Number of inquiries is also steadily increasing



Details of and reasons for orders received

- **Market for products for sale (amount)**

- 5G-related 54% Shipments high in number and amount
- Aggregation 19% Same market as above due to 5G bundling
- Data centers 16%
- Optical transmission 6% Small amount, but overwhelming results in optical field

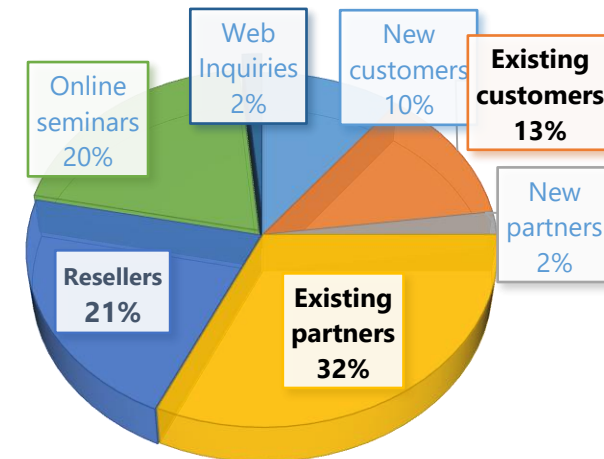


- **Reasons for orders**

- Avoid vendor lock-in (cost)
- Flexibility in network construction
- Expectation for technical innovation

- **Source of contracted projects (number of projects)**

- Existing partners 32% Mostly project introductions from SI companies and TIP
- Resellers 21% The increase in resellers has begun to show effect
- Online seminars 20% Effect of online use during the COVID-19 pandemic
- Existing customers 13% Repeat orders began to accumulate
- New direct sales 10% Scale-up without relying on direct sales



Promote the following from 2022:
(1) Continue focusing on 5G-related solutions
(2) Use channels to accelerate and scale up orders

- 1 Market Conditions
- 2 Business Progress
- 3 Future Business Development

Future Business Development

1. Strategic Partnerships to Accelerate Sales

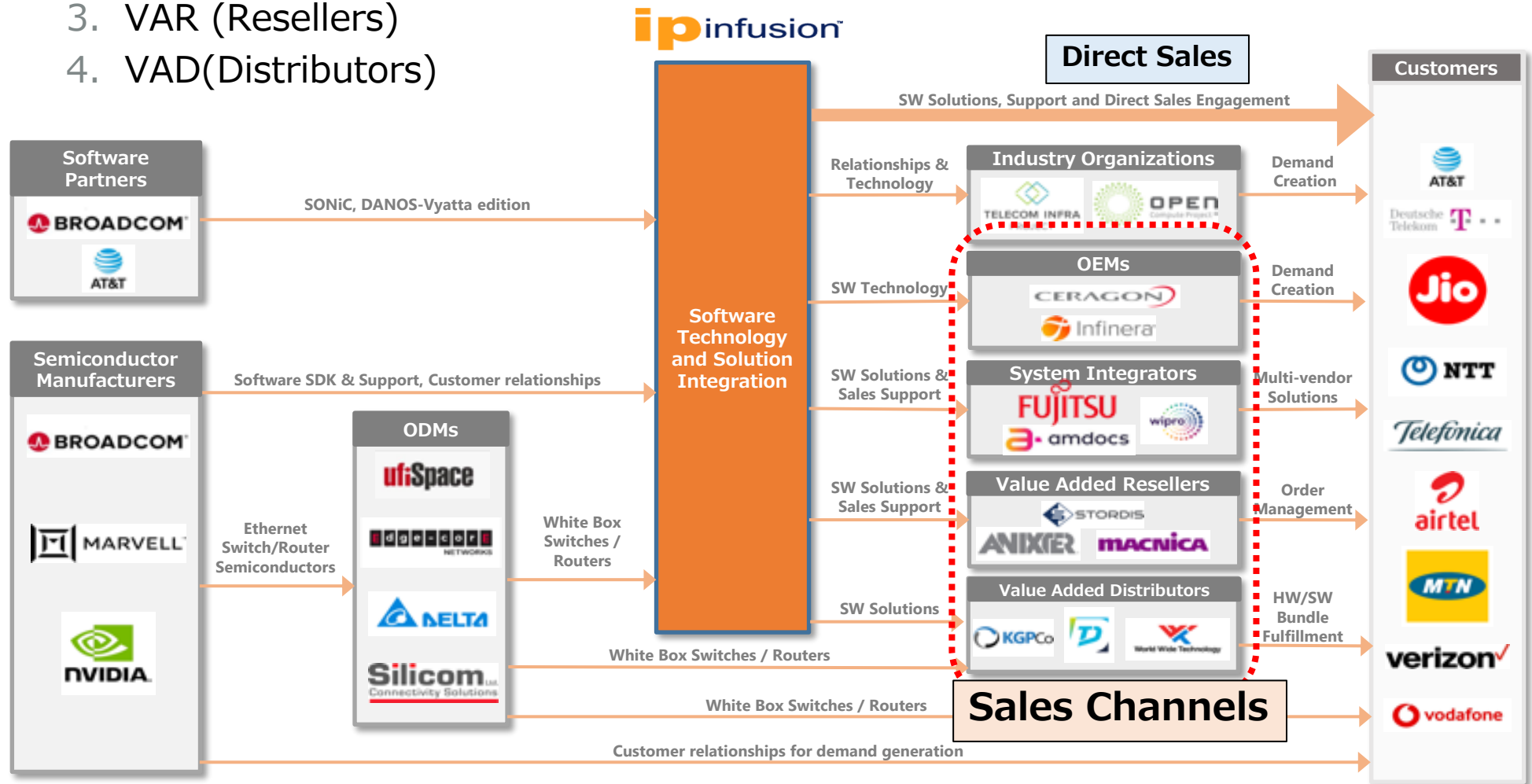
- Expansion of sales channels
- Expansion of OEM projects
- Strengthen partnerships with TIP (Facebook)

2. Penetrate Telecom Service Providers to Expand Project Size

- Participate in NTT IOWN concept

Expansion of Sales Channels

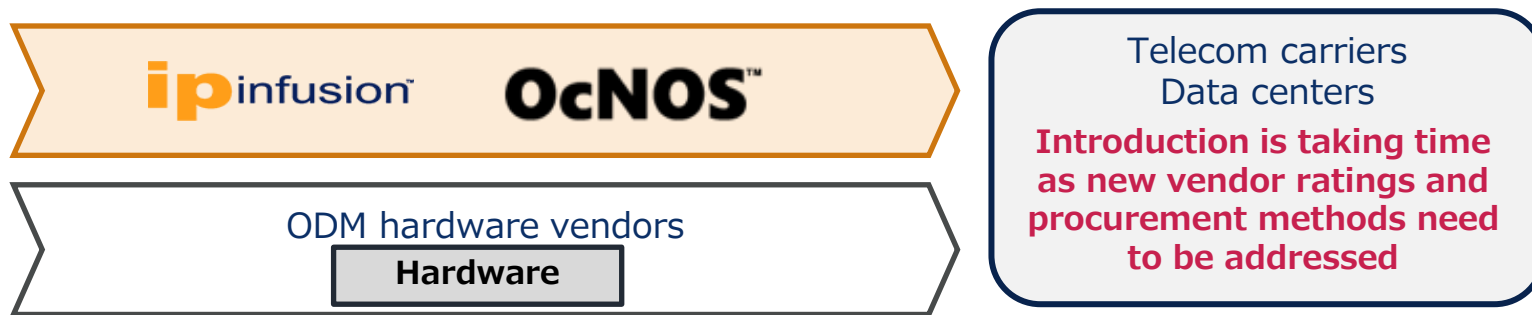
- In addition to direct sales, develop and expand the following channels
 - OEM Projects
 - SI
 - VAR (Resellers)
 - VAD(Distributors)



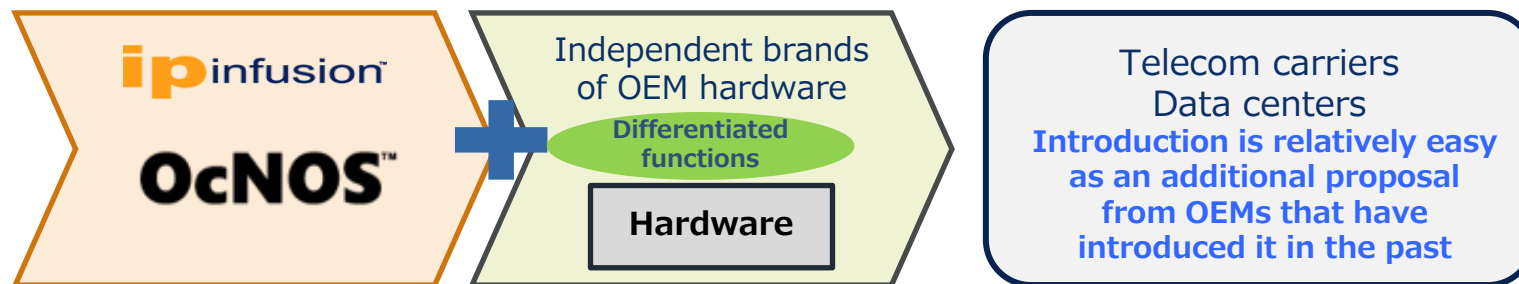
Expansion of OEM Projects

- » Develop products over the short-term with OcNOS as the base software in order for network hardware vendors (OEM) to expand product portfolios using their own strengths
- » Allow smooth introduction to telecom service providers that have already introduced the software and largely solves the issue of taking time for adoption by telecom service providers

From the perspective of telecom service providers, OcNOS = White box adoption takes time

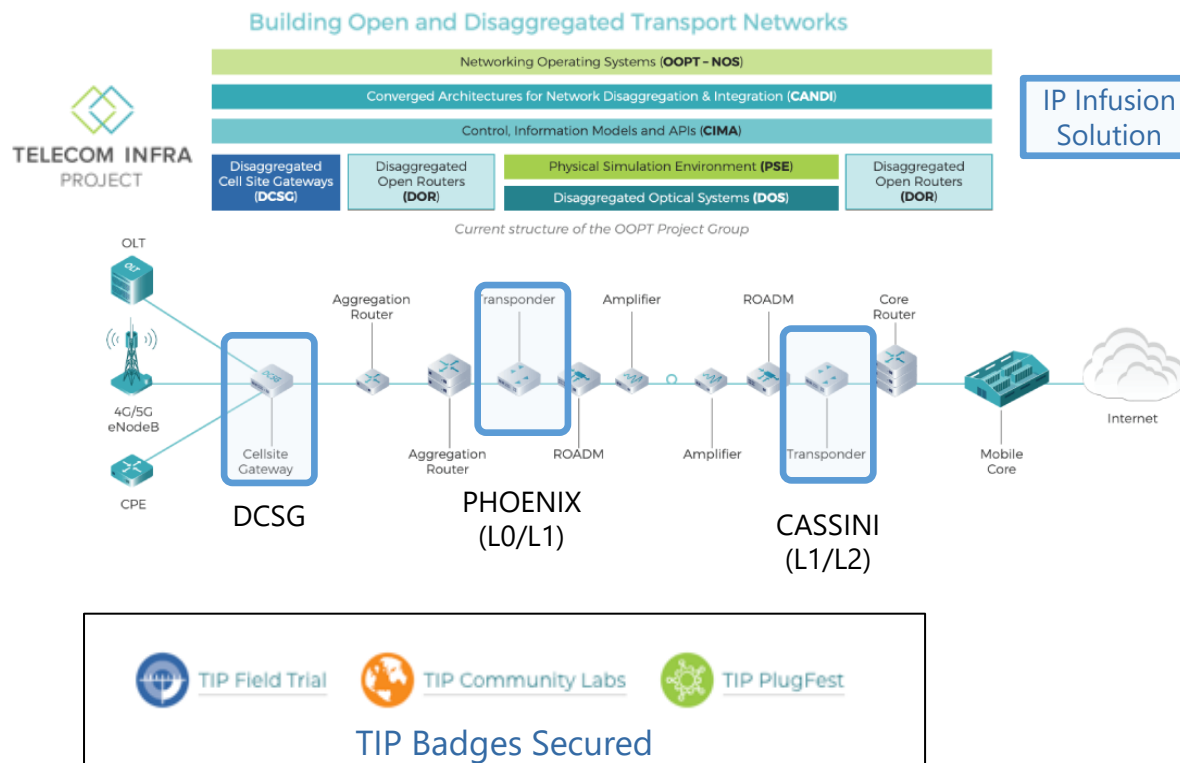


License and customize OcNOS as a base for OEM to develop their new products of their own brand



Strengthen Partnerships with TIP (Facebook): OOTP

- Contributions to multiple projects within OOPT (Open Optical & Packet Transport)
 - DCSG, Optical Systems, E2E architectures, Open NOS
- IP Infusion solutions are commercially reputable and have received multiple TIP Badges
- Active participation in product evaluation, verification, and interoperability testing led by global telecom service providers
- Incoming orders for various projects while receiving support from TIP as recognition increases through the above



Sub-Group	Key Lab Trials and PoCs
Disaggregated Cell Site Gateways (DCSG)	<ul style="list-style-type: none"> KDDI lab trials, Japan TIM-led community lab for 5G network, Brazil MTN lab trials, South Africa ITRI (Taiwan) PlugFest
Disaggregated Optical Systems (Cassini)	<ul style="list-style-type: none"> PGASCOM lab trials, Indonesia TIP lab, Telekom University, Indonesia CpQD TIP community lab, Brazil Turkcell lab trials, Turkey
Converged Architectures for Network Disaggregation and Integration (CANDI)	<ul style="list-style-type: none"> NTT sponsored community lab, Japan

Strengthen Collaboration in NTT's IOWN Concept

Signed MOU with NTT on July 27, 2021
Business partnership to spread white box

Keynote lecture at NTT R&D Forum by President Sawada

"The Introduction of super white box in 2025" was cited, and active collaboration is underway

Results of collaboration announced at R&D forum

- 3 demo exhibits
 - Ultra-low latency video-transmission
 - Quantum cryptographic key distribution in optical communication
 - Routing control in optical communication
- 2 panel exhibits
 - Orange-NTT collaboration through TIP
 - IOWN browser research

Business partnership between NTT and ACCESS (IP Infusion)



Promote global spread of open network infrastructure with separate hardware and software using Whitebox

10



Summary

- Continuously enhancing products and expansion of sales channels resulted in winning 65 new adoptions and more than 100 repeat orders in 2021
- The number of adoptions, etc. was also highly rated in external reports and greatly increased market recognition
- Increased referrals of deals from TIP (Facebook)
- We will continue approaching major telecom service providers to win large-scale adoptions
- It is taking time, but the direction we are heading is not mistaken. Therefore, we will strive to accelerate and scale up emerging business results