



# Financial Results Briefing Material FY2023 Q2 (ended Jun 30th, 2023)

Neural Group Inc. Aug 10<sup>th</sup>, 2023

Translation of original Japanese version

Effective June 1, 2023, Neural Pocket Inc. has changed its name to Neural Group Inc.



- FY2023 Q2 highlights
- Business growth themes and Al service updates



### Highlights from FY2023 Q2 ended Jun.

#### Growth

Continuous growth with AI and OOH signage market tailwinds

Revenue growth

+19%

FY2023 Q1-Q2 over FY2022 Q1-Q2

#### **Profitability**

Maintaining high GP margins making progress towards profitability

**Gross profit margin** 

66%

FY2023 Q1-Q2 cumulative

#### **Sales Force**

Al startup with large 150+ sales team

Group employees\*1

257 (+89人)

() versus Q2 last year

#### **Business Expansion**

Expanding OOH advertising launching new biz model

# Launching Ad management biz

Advertising operation service at large LED screen at Sendai Station

#### **Technology**

Active investment in new tech. along with actual sales generation

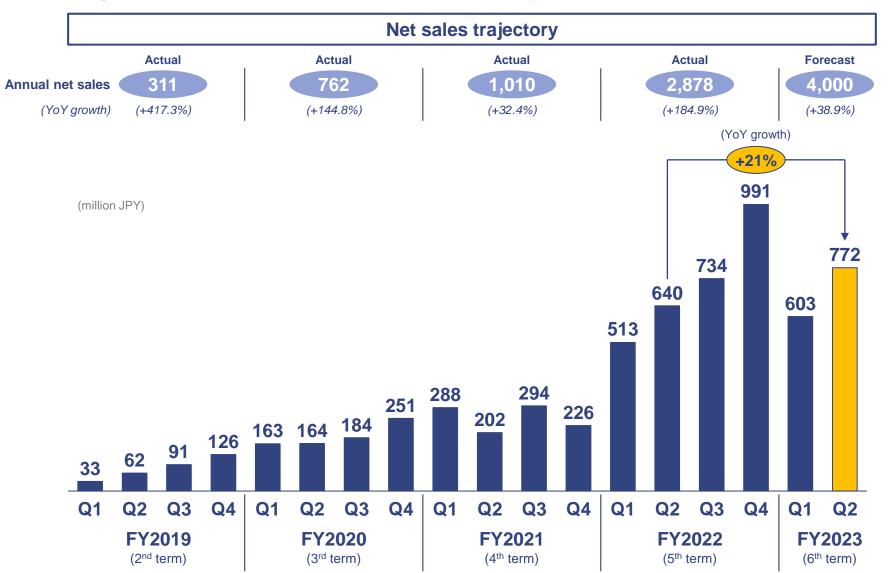
### Dev. of NEURAL LLM language model

Multimodal services such as language/ image generation, apparel dress-up

<sup>\*1</sup> As of Jun 30<sup>th</sup> 2023. Excludes executives (Full-time board directors, auditors, executive officers), part-time employees, subcontractors, interns. Includes full-time employees from subsidiaries, Neural Engineering Inc. and Neural Marketing Inc.

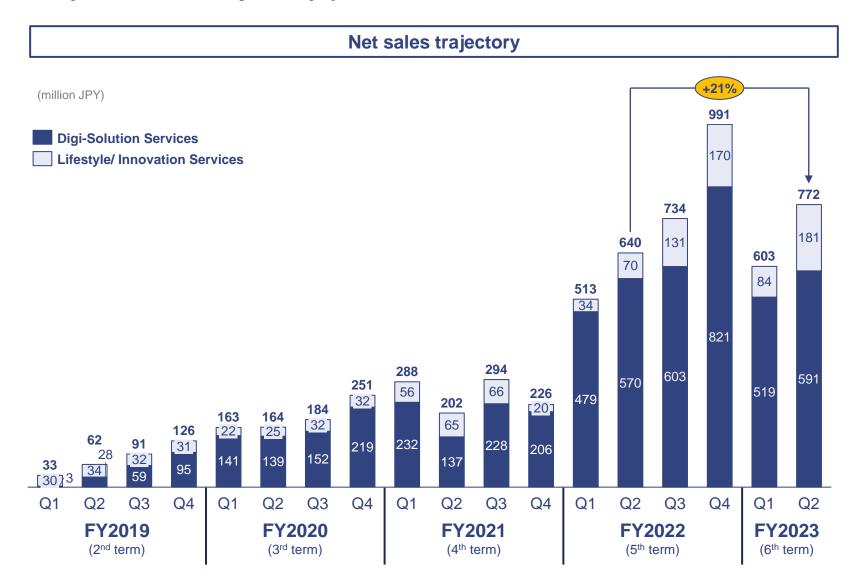


# Business progressing toward full-year sales of 4.0 billion yen where sales are weighted toward the second half of the year



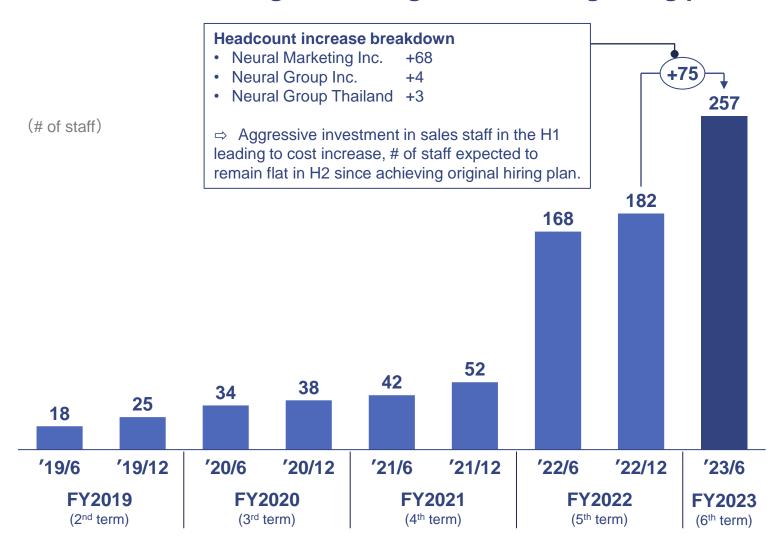


#### Quarterly net sales trajectory per service domain





# Trajectory of full-time employees\*1: Rapidly expanded headcount for sales staff within Neural Marketing Inc. through H1 achieving hiring plans



<sup>\*1</sup> As of Jun 30<sup>th</sup> 2023. Excludes executives (full-time board directors, auditors, executive officers), part-time employees, subcontractors, interns. Includes full-time employees from subsidiaries, Neural Engineering Inc., Neural Marketing Inc.



#### FY2023 Q2 ended Jun. consolidated Statement of Income

(million JPY)	FY2022 Q1-Q2 ended Jun.*1	FY2023 Q1-Q2 ended Jun.	Increase Value	Increase Percentage	
Net sales	1,153	1,375	+221	+19.2%	
Gross profit % of net sales	<b>770</b> 66.8%	<b>907</b> 66.0%	+136	+17.7%	
EBITDA % of net sales	<b>-87</b> -7.6%	<b>-351</b> -25.6%	-264	-	
Operating profit % of net sales	<b>-282</b> -24.5%	<b>-436</b> -31.7%	-153	-	
Net income % of net sales	<b>-906</b> *2 -80.8%	<b>-364</b> -26.5%	+542	-	

#### Sales are skewed toward the second half of the fiscal year similarly to last year

<sup>\*1</sup> The Company finalized the provisional accounting treatment for the business combination in the fourth quarter of the fiscal year ending December 31, 2022, and the figures for FY2022 Q1 and Q2 reflect the details of the finalized accounting treatment. As a result, some of the figures differ from those in the Financial Results Briefing Material disclosed on August 10, 2022.
\*2 Includes a one-time impairment loss of 624 million yen recorded in FY2022 Q2



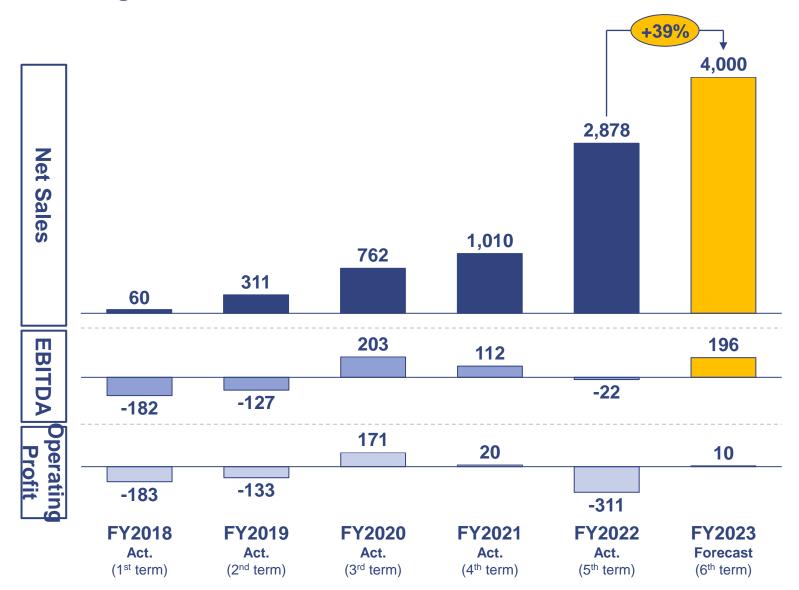
#### FY2023 Q2 ended Jun. consolidated balance sheet

(million JPY)	FY2023 Q1	FY2023 Q2	
	As of Mar 31st	As of Jun 30 <sup>th</sup>	
Total current assets	1,593	1,972	
Cash and cash equiv.	913	1,198	
Total non-current assets	1,738	1,788	
Total assets	3,332	3,761	
Total liabilities	3,084	3,013	
Interest bearding debt	2,712	2,650	
Total net assets	247	747	

- Third-party allotment of new shares to Sony Corporation in May 2023
- Continue to actively pursue capital and/ or business alliances with global corporations



### FY2023 ending Dec. forecast





### FY2023 ending Dec. consolidated forecast

(million JPY)	FY2022 ended Dec. results	FY2023 ending Dec. forecast	<b>Growth</b> Value	Growth Percentage	
Net sales	2,878	4,000	1,121	+38.9%	
Gross profit % of net sales	<b>1,849</b> 64.3%	<b>2,650</b> 66.2%	800	+43.3%	
EBITDA % of net sales	<b>-22</b> -0.8%	<b>196</b> 4.9%	218	-	
Operating profit % of net sales	<b>-311</b> -10.8%	10 0.2%	321	-	
Ordinary profit % of net sales	<b>-307</b> -10.7%	<b>2</b> 0.0%	309	-	
Net income % of net sales	<b>-909</b> -31.6%	<b>-100</b> -2.5%	809	-	



### Aug. 10<sup>th</sup> announcement of inventory errors

- Neural Marketing Inc. a subsidiary of the Company (made a subsidiary through M&A on February 21, 2022; company name
  at the time: Netten Corp.), has discovered an inventory error in its FY2022 Q4 and FY2023 Q1 financial statements and a
  corresponding error in its cost of sales, and therefore, the Company is making retroactive adjustments.
- When Neural Marketing introduced a new inventory management system and workflow on December 1, 2022, as part of its post-subsidiary PMI to strengthen internal controls, inventories were not accurately accounted mainly for new large-scale projects, resulting in understatement or overstatement of the cost of sales.
- For FY2022 Q4, a partial overstatement of inventories and the resulting understatement of cost of sales (impact of 60 million yen), and for FY2023 Q1, a partial understatement of inventories and the resulting overstatement of cost of sales (impact of 12 million yen) has been retroactively adjusted\*1
- · There is no change to the forecast for the current fiscal year

	<b>FY2022</b> Jan. 2022 through Dec. 2022			<b>FY2023 Q1</b> Jan. 2023 through Mar. 2023			
(million JPY)	Before revision	After revision	Delta	Before revision	After revision <b>Delta</b>		
Net sales	2,878	2,878	-	603	603	-	
COGS	968	1,029	+60	215	203	-12	
Operating profit	-251	-311	-60	-227	-215	+12	
Ordinary profit	-247	-307	<b>-60</b>	-233	-221	+12	
Net income	-879	-909	-29	-189	-192	-2	

<sup>\*1</sup> For details, please refer to the Aug10 2023 IR release titled "Notice of submission of correction reports for securities and correction of financial statements for prior periods" (Only available in Japanese).

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- FY2023 Q2 highlights
- Business growth themes and Al service updates



#### **Business growth themes for FY2023**



#### **Neural Pocket Group**

- Management theme for FY2023 is "Scale and profitability"
  - → Scale unit-based revenue while maintaining high gross profit margins
  - → Achieve OP profits for the year whilst making investments for future growth
- Continue to actively pursue capital or business alliances with global co. in Japan and abroad



#### **Al Digi-Solution**

- Horizontal expansion across both the public and private sectors and install a total of 400 cumulative units by the end of FY2023 (278 units installed as of the end of Q2)
- Participate in large-scale urban/smart city development in **Thailand and Southeast Asia** out of our Thailand office (Progress towards introducing multiple solutions by the end of this year)



### **Neural Marketing**

- Further bolster sales team by hiring over 70 sales personnel against a backdrop of over 10%<sup>\*1</sup> market growth (68 hires as of end of Q2)
- Establish 6 new locations: Okinawa, Minami-Kyushu, Shikoku, Hokuriku, North Kanto, and Hokkaido (As of Q2 end, new locations opened in Sapporo and Takamatsu.)
- Target to install signages, or LED ad vision's in 50 new locations (Initiated installations in Q2)



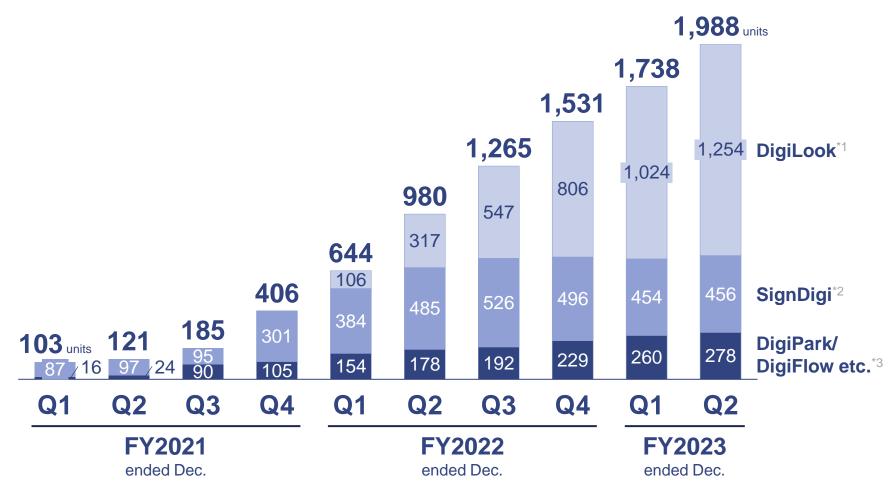
#### **Lifestyle/Innovation**

- Stable continuation of ongoing apparel business
- Proactive in-house development of new areas that could become future pillars of our business
  - → Demand forecast AI, dress-up AI (Announced development of original LLM in Q2)
  - → Logistics container loading optimization and satellite image analysis
  - → Gaming using AI technology, etc



### Digi-Solutions unit installation trend (cumulative)

Continued unit base growth. Installation of advertising signage (Focus Channel) in condominiums resumed in Q2 and planning for gradual installation base growth.



<sup>\*1</sup> LED signages installed (# of locations) by Neural Marketing Inc., post acquisition by Neural Pocket. \*2 Mainly Focus Channel digital signages installed in apartments. Also includes other signages installed for commercial use or trial installations unrelated to Focus Channel. \*3 Number of edge box units installed for DigiPark/ DigiFlow, etc. A single edge box is often connected to multiple cameras to run Al detection.



### Building a vertically integrated out-of-home Al media business

#### Out-of-home digital signage advertising value chain and our experience

10,000+ units installed nationwide





2. Signage provision



3. Installation & construction



4. Operation & maintenance



Generative Al + in-house prod.



Original CMS software



6. Ad



7. Media rep/

Initiating in Oct. 2023
\*Details to follow

8. User visualization

Edge Al-enabled

viewer visualization





#### Advertising operation business on large LED display starting in Oct. 2023



We will launch our first ad management business outside of our own media "FOCUS CHANNEL," utilizing the knowledge and sales network in ad sales, ad broadcasting, and operations nurtured within "FOCUS CHANNEL," the condominium signage media





BiVi Vision Sendai, a large LED display at BiVi Sendai Station East Exit, an urban commercial facility adjacent to JR Sendai Station. Scheduled to begin broadcasting advertisements in October 2023.

Provision and installation of outdoor large-scale LED display



Managing advertisement sales and operations post installation



#### Announced proprietary multimodal large-scale language model in June

# NEURAL.LLM

**Application** 

**Application** 

**Completion or** replacement of ChatGPT Generative Web powered by ChatGPT **Blog post** Auto reply to generation online reviews Multi-language **SEO** automization Web language generation





We are developing a proprietary LLM platform to provide multimodal services across a variety of applications and business domains



# Launched new web business using ChatGPT, expecting sales of around 100 million yen in FY2023

#### Generative Web powered by ChatGPT











Al-powered CMS maximizes the effectiveness of web pages with no technical knowledge required and no hassle

- Launched new webpage product, combining extensive sales capabilities of Neural Marketing (100% subsidiary) and AI development capabilities
- Expecting sales of approx. 100 million yen in FY2023 since launch in May 2023
- Quickly commercializing generative AI, rather than focusing solely on R&D

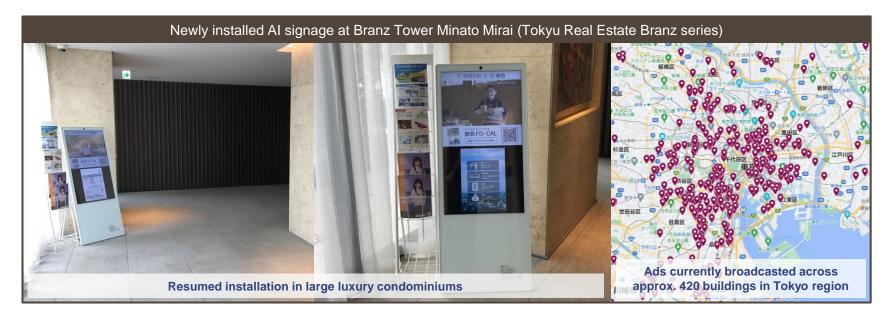


# As the Focus Channel brand penetration expands, we have gradually renewed installation of new signages in Q2

- Promoting business expansion as the largest condominium signage media in Tokyo region by selectively resuming new installations
- As brand recognition expands, we have started offering joint advertising packages in collaboration with proprietary media targeting affluent customers in Tokyo

#### Press release from Focus Channel, Jul 18th 2023







### Digi-Solution services introduced across Japan

Key locations installed



Sendai city People flow in urban centers, evacuation center operation optimization



Parking lot visualization,

SMARK Isezaki

traffic guidance



**Muroran city** 

Regional revitalization with Alenabled urban development



Kashiwa-no-ha smart city surveillance for town mgmt.





Sugamo district/ Taisho Univ. Industry-academia collab. and promotion of local digitization



West Shinjuku area Digitalization of urban transportation



Marunouchi



and city parks



Info broadcasting via local 5G signage



Office tower smart building/city develop.





visualization

#### Mitsui **Fudosan** Ichikawa LP Truck license plate detectio



#### Shibuya Hikarie ShinQs

Apparel store guest analysis







**Shurijo Castel Park** People flow analysis and operation DX







Anjo city

3D city map





**Yokohama City** 

Yamashita Park

Visualization of users/

congestion in the rose



#### Our approach to refining services and identifying new market needs

Short feedback cycle achieved by selling and marketing directly to customers

Data collected by our Al cameras

- Traffic of people/ vehicles
- Direction of traffic
- Info on approaching

- vehicles/ pedestrians
- # of persons/ vehicles within facility
- · License plate details
- Duration of time spent
- Congestion

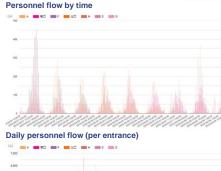
Use case/ needs

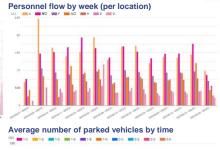
How the collected data is being used

- · Constructing base data of facility
- · Visualization of usage and congestion mitigation
- Improvement of facility flow
- Improve user satisfaction by
   Improving parking lot providing real-time info
- Registered vehicle detection and providing value-added services
- Curb unapproved parking
- security and monitoring efficiency
- Accident prevention
- Alleviating staffing challenges in rural areas

Number and percentage of visits by license plate region

Online interface **X**Screenshot excerpts







Average time spent at facilities by vehicle type (per route)

Our products



🕍 Digi Park



Digi Flow



Digi Thru

... (continue to launch)

Promoting product development reflecting the needs from our customers (e.g., government, facility operation managers)



### **Examples of DigiFlow installation locations**



## Digi Flow

#### Okinawa Shurijo Castle Park (Apr. '24)

Support for DX facility management and operations

In collaboration with the Okinawa Memorial Park Office, Okinawa General Bureau, Cabinet Office, Okinawa Prefecture, and the Okinawa Churashima Foundation, we analyzed human flow in an urban park.



#### Marunouchi Nakadoori, Tokyo (Apr. '24)

Urban development through visualization of human flow

Supporting "safe and secure community dev. using digital tech" through introduction of AI cameras in collab. with Otemachi/ Marunouchi/ Arimachi District Machizukuri Council



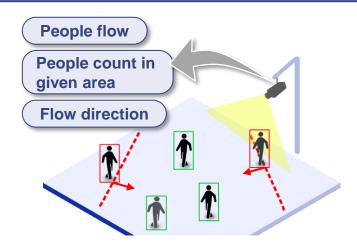
#### Yokohama City, Yamashita Park (Mar. '23)

Visualization of congestion and listing on public web pages

Improvement of facility operation and visitor satisfaction by monitoring the number of visitors to the Garden Necklace Yokohama hosted by the City of Yokohama and disseminating information on congestion.



#### People flow analysis by DigiFlow





# Progress toward implementing solutions in Thailand across private, academia, and public sectors

Partnership with CP Group - Egg Digital Inc.





- Partnership with Egg Digital, the digital marketing arm of CP Group, one of Thailand's largest conglomerates
- Update physical spaces with AI technology within and beyond CP Group

Promotion of adopted JICA supported projects\*1





- Infrastructure dev. and transport. projects under development
- Planning congestion visualization solution for local commercial facilities

## Al awareness activities in Thailand





- Above: Panelist at the Japan-Thailand Economic Forum
- Below: Lecture and booth at Startup × Innovation Thailand Expo 2023

<sup>\*1</sup> Japan International Cooperation Agency: A governmental agency that namely delivers ODA (Official Development Assistance) for the government of Japan and is chartered with assisting economic and social growth in developing countries, and the promotion of international cooperation.





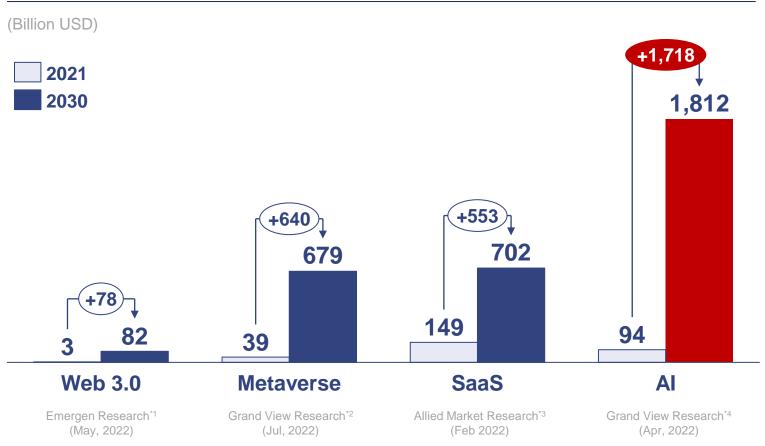
# **Appendix**

- Al industry trend and company advantage
- Company overview



# Al industry is expected to grow to an overwhelming market size compared to other growth areas

#### Global market size comparison



<sup>\*1</sup> Emergen Research, Web3.0 Market Size, Share, Trends (May, 2022)

\*2 Grand View Research, Metaverse Market Size, Share & Trends Analysis Report (Jul, 2022)

\*3 Allied Market Research, Software As A Service (SaaS) Market Statistics: 2030 (Feb, 2022)

\*4 Grand View Research, Artificial Intelligence Market Size, Share & Trends Analysis Report (Apr, 2022)

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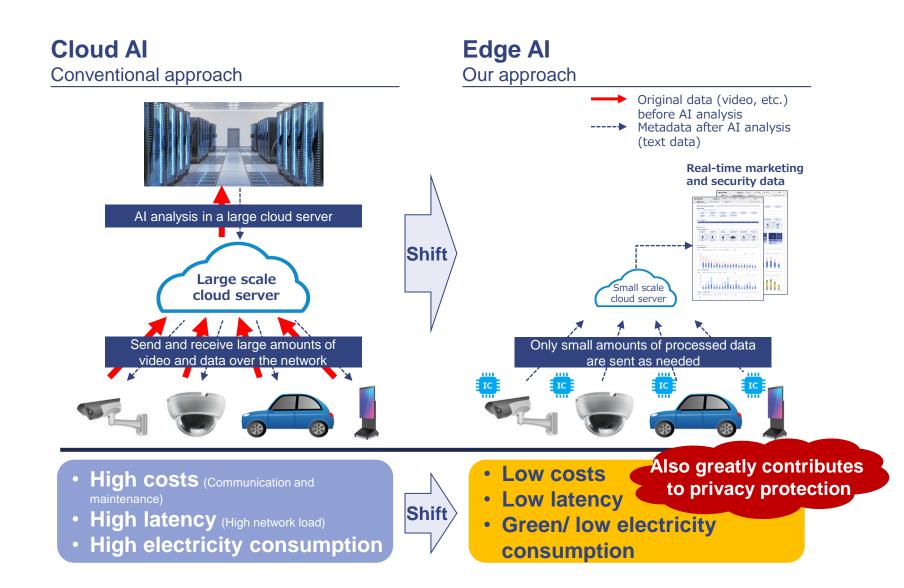


# The Al industry is shifting from selling "Al tech itself" to selling "Alenabled services"





#### Al technology is evolving along with the industry's growth





# Adoption of edge Al technology is accelerating at many global leading companies



Accelerate development of edge devices for autonomous driving to achieve low latency and safety unaffected by the communication environment.

#### **NVIDIA DRIVE AGX Xavier**



# arm

Ethos NPU series, Edgeoriented chips specializing in deep learning to achieve highspeed inference with low power consumption.





Many research results of edge Al for low latency processing of metaverse equipment.





Acquired XNOR.ai, a company with technology for high-speed Al execution on edge devices, for USD 200 million.





Dedicated Edge AI chips are standard in smartphones, and their performance is advancing every year.



# SONY

Practical application of image sensor-integrated edge AI chip for real-time image recognition and metadata conversion.



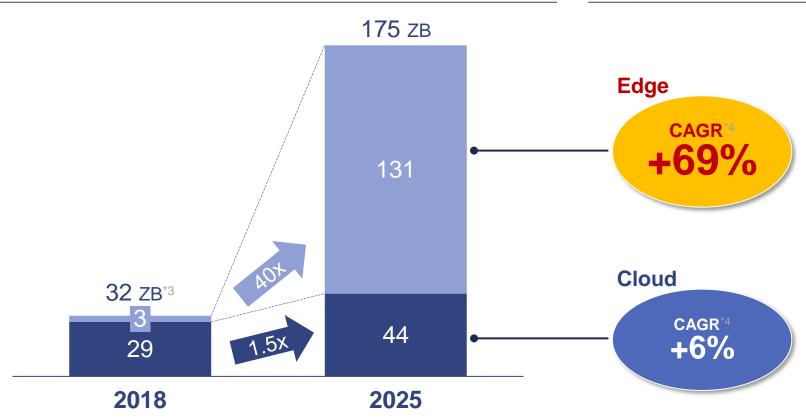


### **Edge processing is rapidly expanding**

Total data processed at the edge vs in the cloud\*1\*2

Growth forecast
Through 2018 to 2025

Through 2018 to 2025



<sup>\*1</sup> Source for Edge share: What Edge Computing Means for Infrastructure and Operations Leaders, Gartner (Oct 2018).

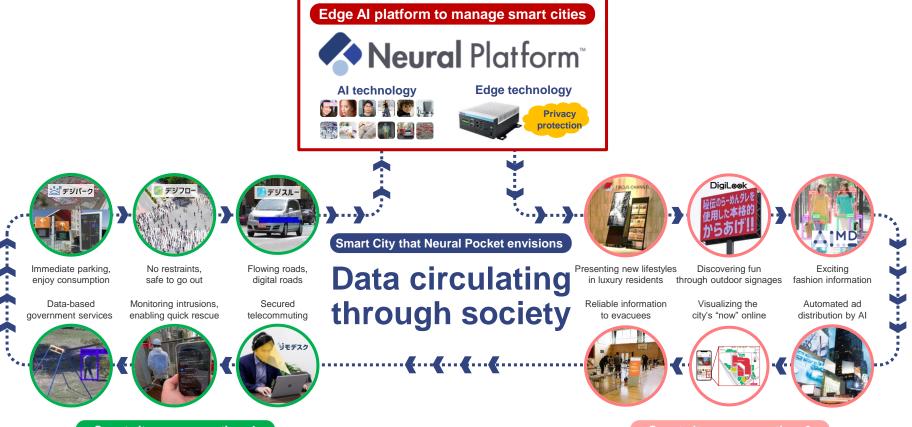
<sup>\*2</sup> Source for amount of data: Data Age 2025 Whitepaper, IDC (Nov 2018), accounts for all data created, captured, and replicated globally.

<sup>\*3</sup> Zetabyte. Unit of data. Equivalent to 109 TB (terabyte).

<sup>\*4</sup> Compound annual growth rate.



# We enable smart cities with edge AI – Our edge AI platform allows for the circulation and utilization of data in physical spaces



Smart city we are creating: 1

### Eliminating waiting time

Data analysis using AI technology allowing for fun and peace of mind

Smart city we are creating: 2

### **Encountering information**

Information delivery customized to local regions and individuals, with Al-enabled viewer behavior analysis and automatic distribution



# Neural Platform is a comprehensive environment to facilitate Al software development and day-to-day operations



Functions		Image and overview		Functions		Image and overview		
ap k	Service, application	Al service mgnm't	# 1000   1/2	<ul> <li>Manage and provide AI services         (AI models), such as people flow         analysis and vehicle analysis, with         a smartphone app store approach</li> <li>Services can be easily uploaded         as developers updates the AI         program</li> </ul>		Equipment mngm't, alive monitoring	THE STATE OF THE S	<ul> <li>Real-time management of operational (alive/ dead) status of edge devices</li> <li>Operational status and error logs of AI services in each device managed</li> </ul>
	building features	AI dev. environ.		<ul> <li>Development environment for internal and external developers to conduct AI dev. (annotation, model selection, training etc.)</li> <li>Application dev. environment to run on various edge devices and apps, as well as smartphones</li> </ul>	Edge Equipment Operatio- nal Functions	Remote Automatic Update		<ul> <li>Automatic transmission and update of AI services/ models and content (text, photos, video, audio, etc.) via LTE network</li> <li>Content playback programs and program listings updated via network</li> </ul>
	Content	Content play and display (CMS)	ADOOH 000 000 000 000 000 000 000 000 000	<ul> <li>Programs to play content (text, photos, video, audio, etc.) essential to AI services</li> <li>Information communicated in real time through LTE network to and from edge devices.</li> </ul>		Security ware	The second secon	<ul> <li>Prevent attacks on edge devices by diagnosing security vulnerabilities for h/w and s/w</li> <li>Encrypt data and communications and monitors attacks</li> <li>Automatic video deletion for privacy protection</li> </ul>
	application functions	Data analysis	### ### ##############################	<ul> <li>Stores data sent from edge devices and analyzes data to influence people's behavior.</li> <li>Various display formats, enabling data analysis to be conveniently performed on a web browser.</li> </ul>				



### We develop proprietary Al libraries/ edge-related implementation technologies to enable AI smart cities

#### People attribute analysis

Gender/ age estimation

**Facial recognition** 



Line-of-sight detection



**Fashion analysis** 



People emotion and thought analysis





Natural language processing nuch make make

#### People movement and behavior analysis

Congestion analysis Vacancy detection





Safe monitoring



**Intrusion detection** crime prevention



**Traffic analysis** 



Vehicle analysis Parking occupancy



License plate detection



#### Technologies related to social implementation of Al

**Edge Al** 



**Edge security** 



Ad delivery optimization



Al-enabled product recommendation



**Data analytics** 



Digital signage integration



Mobile app





### Our Al libraries operate on a variety of technical standards, contributing as an Edge Al Platform developer

#### **Examples of edge devices running our edge Al**









Linux











































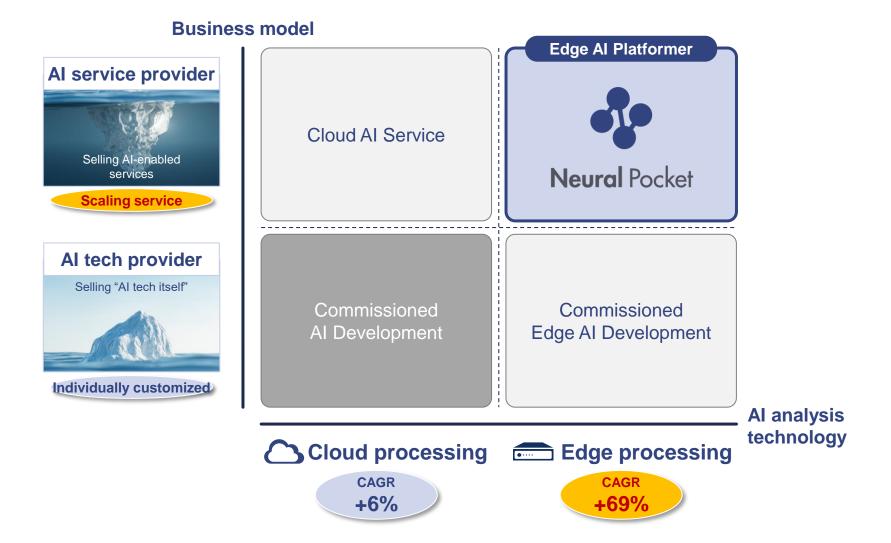


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# As business models in the Al industry diversify, we have established our position as an edge Al platformer



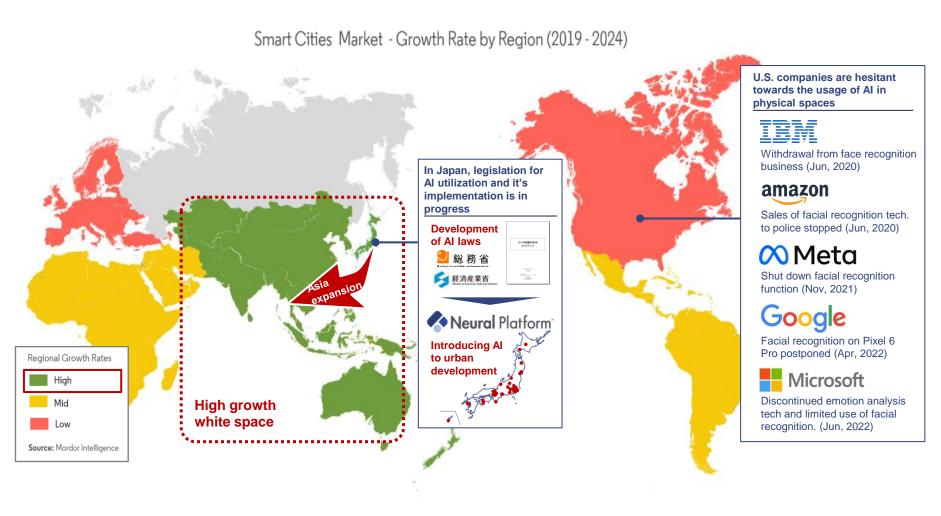


# In the rapidly growing edge Al market, we have been accelerating growth since inception





## Al platforms expected to emerge from Asia, where the development of smart cities are most rapid





### Announced capital and business alliance with Sony Corporation\*1,2

## Capital alliance

- Issued 690,000 new shares of common stock through thirdparty allotment
- Raised 670 MIn yen (payment completed May 12)
- Sony's ownership will be <u>4.56%</u>, becoming the Company's third largest shareholder.



## Biz alliance

- Exchange of personnel, services, and tech with Sony Corporation (expecting to accept personnel from Sony)
- We will start by promoting collaboration and commercialization in "signage biz" and "Al-based human attitude detection biz" ("details in following pages)
- Will explore further collaboration related to AI tech and AI services

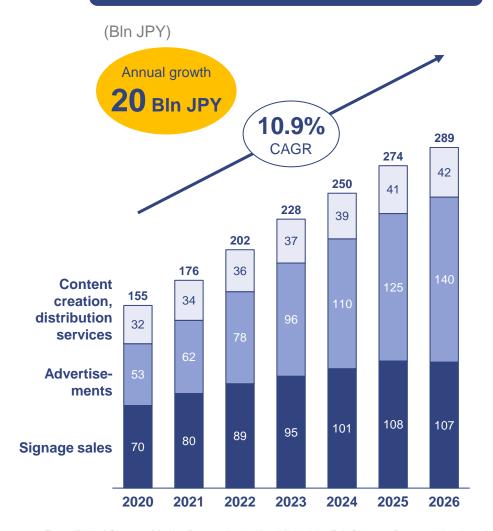
<sup>\*1</sup> For more details, please refer to the company's press release dated April 26, 2023, "Notice of Business Alliance with Sony Corporation, Conclusion of Share Subscription Agreement, and Issuance of New Shares through Third-Party Allotment (available only in Japanese)

<sup>\*2</sup> Outline of Sony Corporation: Kimio Maki, Representative Director and CEO; Headquarters: 1-7-1 Konan, Minato-ku, Tokyo; wholly owned subsidiary of Sony Group Corporation; Entertainment Technology & Services business; approximately 8,500 employees; FYE March 2022 sales: 1,425,640 million yen; net income: 143,753 million yen.



## Aim of capital and biz alliance: Signage industry experiencing tail winds

#### Domestic digital signage market trend\*1



## **Key growth drivers of Digital Signage Market**

## 1 Digital substitution of labor

- Tasks traditionally performed by people automated or digitized
- Evolution of devices that do not require human intervention from communication to payment

### 2 Shift from Online to Offline

- Post Covid shift from online advertising to physical spaces
- Creation of a new advertising market that fuses the Web and the physical world is also underway

### 3 Shift from paper posters

- Replacement of traditional paper posters and static signage
- More widespread use of dynamic signage that transmits digital content that can be flexibly changed

<sup>1</sup> From "Digital Signage Market Research 2021" published by Fuji Chimera Research Institute, Inc. in February 2021.

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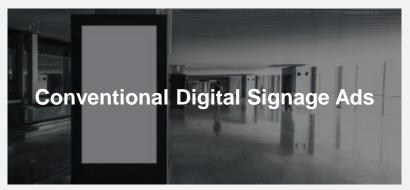


## Aim of capital and biz alliance: Signage biz and our vision

- Creating new advertising market and exciting urban spaces through the dev. of next-generation digital signage using AI technology
- Business development in Japan and Southeast Asia
- Develop and commercialize new businesses through collaboration with Sony through personnel/ services/ technology exchange

#### Challenges of conventional ad signage

- Difficult for advertisers to understand advertising effectiveness
- Difficulty in fine-tuning audience targeting
- Long lead time before ad submission
- Not a smooth path to purchase for viewers (e.g., no payment, difficult to take home display information).



#### Added value our tech can provide

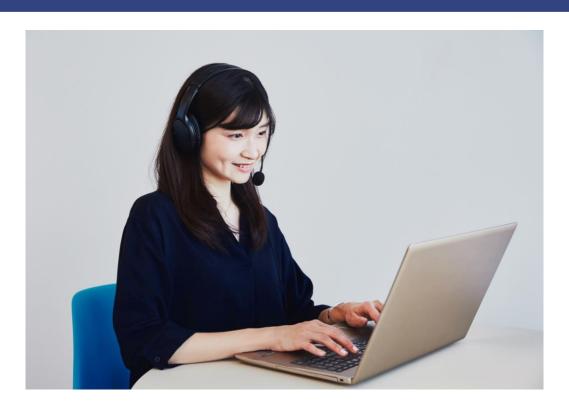
- Maximize advertising effectiveness by acquiring viewer information (that was technically impossible in the past)
- · Detailed targeting with networked signage
- Simplified and speedy ad submission
- Interactive signage with two-way comm.
   (e.g., payment, smartphone integration)





## Aim of capital and biz alliance: Al-based human attitude detection biz

- As remote communication becomes more commonplace, work with Sony to explore and commercialize new services on a phased basis
- Plans to develop new technology to interact with people through attitude detection and language generation Al using deep learning

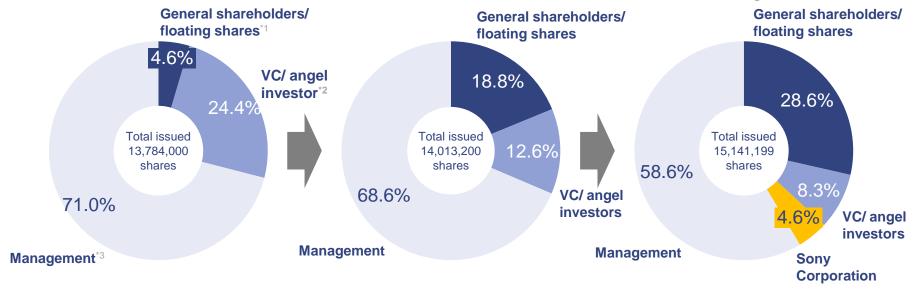




## Promoting capital and business alliances with operating companies while ensuring share liquidity by expanding floating shareholders

Estimation taking into account the allotment to Sony Corporation (Payment procedure completed on May 12)

\*Based on shareholders' register as of Dec 31, 2022



Aug. 20<sup>th</sup>, 2020 (IPO)

Dec. 31<sup>st</sup>, 2020 (Shortly after IPO)

After capital increase (Latest)

Continue to actively pursue further capital alliances with global companies

<sup>\*1</sup> Sum of 415,000 publicly offered shares upon IPO, 215,800 sold shares during IPO (including over-allotment), and shares sold by pre-IPO investors (e.g., VC investors, angel investors) and management that the company is aware of.

\*2 Shares held by pre-IPO investors (e.g., VC investors, Angel investors).

\*3 Shares held by internal board directors.



## **Appendix**

- Al industry trend and company advantage
- Company overview



## Company overview

Neural Pocket Inc. (TYO: 4056) **Company name** 

Expected to change corporate name to Neural Group Inc. on Jun 1st, 2023

Established Jan. 22<sup>nd</sup>, 2018

Representative Roi Shigematsu

Listed exchange Tokyo Stock Exchange Growth Market (listed since Aug. 20th, 2020)

**Headquarters** Tokyo Midtown Hibiya, Hibiya Mitsui Tower 32F, 1-1-2, Yurakucho, Chiyoda-ku, Tokyo, JAPAN

 Al Test Field (Shinagawa Seaside Canal Tower 21F, 4-12-6 Shinagawa-ku, Tokyo) Locations

Thai Office (CRC Tower, All Seasons Palace, Wireless Road, Lumpini, Bangkok, 10330)

Singapore Branch (9 Straits View, Marina One West Tower, #06-07, 018937)

11 other offices across Japan (Osaka, Fukuoka, Nagoya, Yokohama, Sendai etc.)

Group Neural Marketing Inc. (Rep. Masaaki Yamamoto) Companies

Neural Group (Thailand) Co., Ltd. (Rep. Kaz Takenaka)

(100% sub.) Neural Engineering Inc. (Rep. Tsubasa Iwakiri)

**Employees** 257 (Group total as of Jun 30<sup>th</sup> 2023, excluding directors, part-time and outsourced employees)

**Business** Al engineering business utilizing image/video analysis and edge computing technology based

overview on proprietary AI algorithms

**Affiliated**  Nippon Keidanren (Japan Business Federation) Japan Deep Learning Association and others organizations.

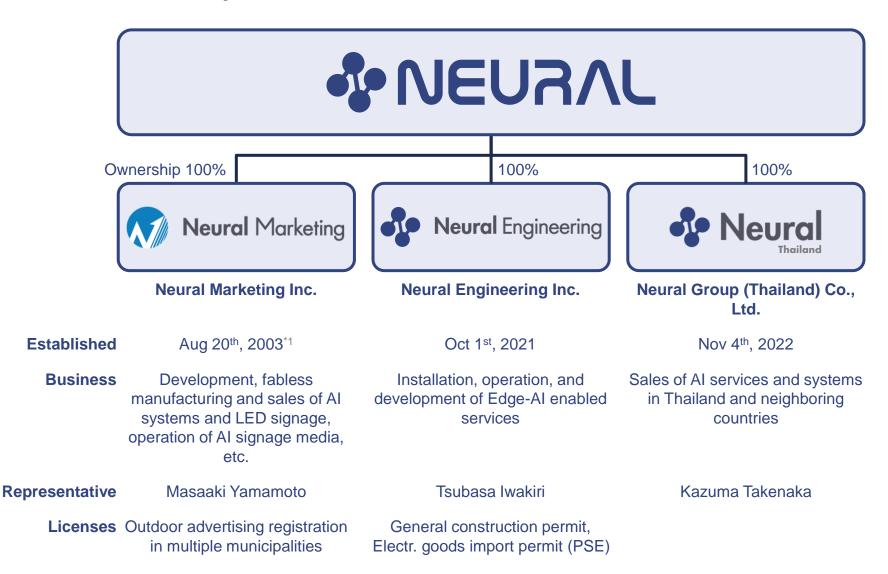


## **Management team**

	Name	Career overview
Board Directors	Representative Director Roi Shigematsu	Former Partner at McKinsey, working in 11 countries including Japan, Germany, and the U.S as leader in IoT and AI field. Founded Neural Pocket in January 2018 with the goal of realizing the digitization of the real world through AI. He holds a Master's degree in Engineering from the University of Tokyo and is currently a member of the Advisory Board of the School of Engineering.
	CFO Director Ryosuke Tane	He was engaged in private equity investing at Bain Capital Japan. After serving as the Tokyo General Manager of Oyo Technology and Hospitality Japan, he joined Neural Pocket. He currently overseas the group's corporate division and also leads M&A activities. He holds an MBA from Stanford University's Graduate School of Business.
	Director  Masaaki Yamamoto	After being involved in the development of DVDs and head-mounted displays at Sony, he led several new businesses and internal startups. After joining the company, he worked in the R&D department and is currently the president of Neural Marketing, Inc. He holds a master's degree from Tokyo Institute of Technology
	External Director Yoichi Yamagishi	After working in the investment banking division of Nomura Securities Co., Ltd. in M&A advisory and public underwriting, he was appointed as General Manager of Public Underwriting Department of Mizuho Securities Co. After retiring from Mizuho Securities, he served as an outside director of D.L.E. Inc. and Laox Co. He is a certified public accountant.
	External Director  Maiko Hasumi	After working for Fuji Television Network, Inc. and Fidelity Investment Trust Co. currently fund manager at Ever Rich Asset Management. Currently director and member of the Audit Committee of Z Holdings Corporation (formerly Yahoo! Japan), etc. Appointed outside director of Neural Pocket in 2021. Holds an MBA from Stanford University's Graduate School of Business.
Auditors	Full-time auditor Miho Takemura	After working at Ernst & Young Shin Nihon LLC (EY Ernst & Young Shin Nihon LLC), where she mainly audited securities companies and other financial institutions, she worked as a full-time auditor at IRIDGE Co. Certified public accountant.
	Auditor  Toshiki Wakamatsu	After working at Sato Sogo Law Office, he opened Saltus Law Office. He has served as a director of Orchestra Holdings Inc. and Voicy Inc. and has been a corporate auditor of Neural Pocket since 2019. Attorney. Specializes in a wide range of corporate legal matters, including corporate law and the FIEA.
	Auditor Hajime Shirai	After working at Arata Audit Corporation (PwC Arata LLC), Frontier Management Inc. and Deloitte Touche Tohmatsu LLC, he established Grintee Inc. Ltd. Appointed as a corporate auditor of Neural Pocket in 2020. Certified public accountant.
Advisor	Professor Yutaka Matsuo	Professor at the Artificial Intelligence Research Center, Graduate School of Engineering, the University of Tokyo. He is a leading expert in the field of AI and deep learning in Japan. He is also the chairman of the board of the Japan Deep Learning Association and an outside director of Softbank Group Corp.

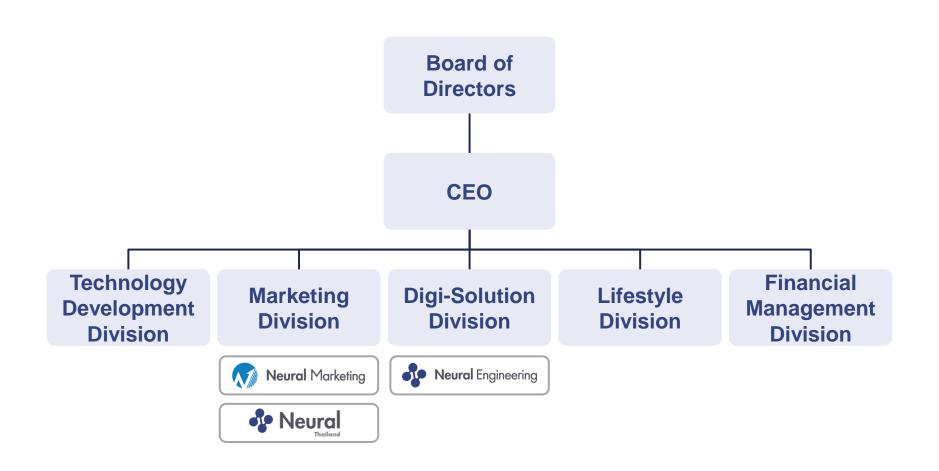


### **Neural Pocket Group**



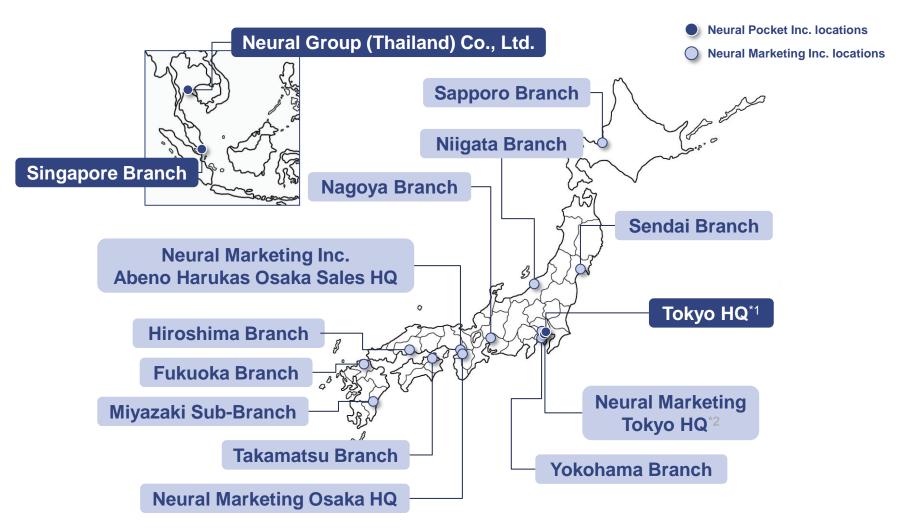


## Organization: Since Jan 2022, the company has established a divisional system organized by product/ service





## Neural Pocket Group operates 15 locations internationally, with the infrastructure to support the development of smart cities nationwide



<sup>\*1</sup> Neural Engineering Inc. is established within Neural Pocket Inc. Tokyo HQ.

<sup>\*2</sup> Al Test Field is located within Neural Marketing Tokyo HQ.



### Appearances at seminars/ events

#### Al technology

- G7 Ministerial Conference on Digital Technology in Takasaki, Gunma: Corporate exhibit
- Public-private partnership conference for overseas expansion of startups, co-hosted by the Ministry of Economy, Trade and Industry and Keidanren: Speaker
- Advantech Corporation's Tokyo Al Forum Manufacturing DX and Smart City: Speaker
- Tokyo Data Platform Convention: Professional Advisor
- Al Innovation AWARD2022: Awarded "Future envisioned by Smart Cities"

#### **Urban planning**

- PARKING NOW, official magazine of the All Japan Parking Association Article contribution
- Parking Reform Promotion Council Speaker
- LOGISTICS TODAY Seminar Speaker
- RX Japan NexTech Week2022 [Fall] Lecture on "Smart Cities Today"
- Shibuya Ward Kitaya Park Jinnan Market Thinking about the future of Shibuya Park! Speaker
- Muroran City DX Promotion Forum Panelist for "Connected Smart City" session
- "Roadside Station Murayama" Development Basic Plan Study Citizens' Meeting Advisor
- Regional Development College in Otaru Speaker

#### **Collaboration with Academia**

- Seminar on the use of the Kashiwanoha Urban Design Center for urban planning hosted
   by the University of Tokyo's Center for Future Vision Research Guest speaker
- Taisho University "How Al Image Analysis is Used in Society" Guest Lecturer
- Seminar at Sasin Graduate School of Management, Chulalongkorn University Speaker
- KOSEN-KMITL (Bangkok) Regular lecturer based on cooperative agreement

#### **Overseas**

Government of Thailand & PTT Group Event "Zest Thailand 2023" Presented

#### **Others**

- Deloitte Tohmatsu Technology Fast 50 2022 Japan Awarded top 10 in Japan ranking
- Ministry of Econ. Trade & Industry 5th Study Grp on Sustain. in Textile Indust. Presenter











### Membership in public/private organizations related to AI and smart cities

#### **Smart City related**



Japan Platform for Driving Digital Development: JPD3







Kamakura City Smart City Public Private Sector Research Association

MaaS Social Implementation
Promotion Forum

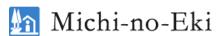
#### **Industry groups**



















#### **Collaboration with corporations**









#### **Overseas**





#### **LED Vision installation cases**



LED vision, which excels in visibility and spatial presentation, is used in various scenes throughout the city to promote sales at facilities and stores, and as a medium for people to encounter new information.









### DigiLook: Top share in Japan with more than 10,000 installations

## DigiLook



- **Unparalleled installation track record** Experience in a wide variety of industries, including large corps, government offices, commercial facilities, and merchant stores
- Unparalleled track record of stable operations Stable operating track record throughout Japan, including cold, hot, and humid regions
- Flexible contract forms Flexible purchase formats such as lease agreements and credit/cash purchases



We are accelerating sales efforts towards large corporations and large-scale facilities. We are also promoting the development of highly functional products with remote content distribution and AI detection functions.



## We deliver the advertiser's message to the residents of high-end urban apartments



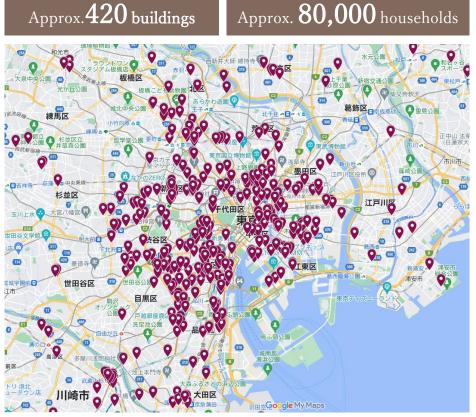








## We deliver the advertiser's message daily and repeatedly to approx. 200K residents of high-end urban apartments



%As of Dec. 31, 2022

#### **Impression**

Steady reach regardless of seasons and externalities



Apartment Signage Ads Market No. 1

#### Frequency

Located in living spaces and repeatedly appealing to all residents

- >> View count per program: 1.50 million  $\sim$ /month
- >> Play count per program: 3.50 million~/month

### **Targeting**

High-grade apartment where many affluent consumers reside

### One-stop solution

Acquisition from brand awareness to detailed consideration through ad distribution and flyer placements



## Established Thai subsidiary in Nov. 2022, to participate in greenfield type urban development popular across Southeast Asia

Neural Pocket Thailand (Bangkok office) and CRC Tower where the base is located





Company name Neural Group (Thailand) Co., Ltd.

Representative Kazuma TAKENAKA, CEO/ Managing Director

Location 36th Floor, Office number 11, CRC Tower, All Seasons Place, Wireless Road, Lumpini, Phatumwan,

Bangkok, Thailand 10330

Established November 4th, 2022

Ownership Neural Pocket Inc. 100%

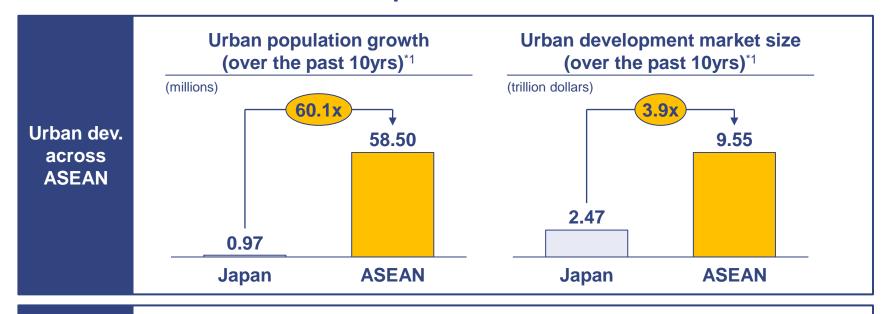
Background Based on our track record of providing unique AI services to realize smart cities in Japan, we aim to

expand our business in Thailand and other SE Asian countries. Particularly in SE Asia, "green field" type developments, in which new cities are built on a vast scale, are popular, and the company aims

to participate in large-scale development projects.



### Vast infrastructure investment expected in Thailand and SE Asia





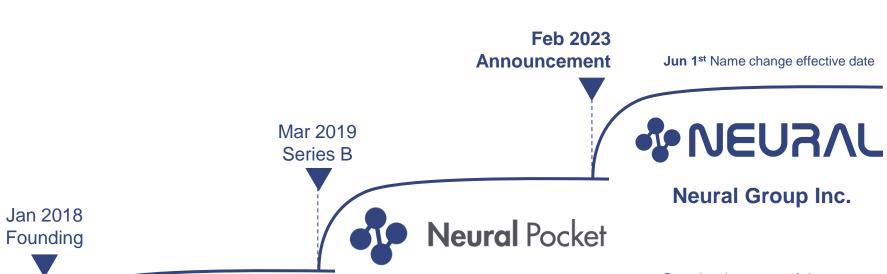


<sup>1: &</sup>quot;Toward Overseas Urban Development Business Development - Smart City Business Creation", Nomura Research Institute, Ltd. presentation (December 16, 2014).

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## 5yrs since founding, we aim to expand our business and contribute to society - Rebranding the company name to "Neural Group"



FASHION POCKET

#### **Fashion Pocket Inc.**

- Utilizing AI technology in for video footage for apparel industry
- Developed fashion trend analysis "AI MD"

**Neural Pocket Inc.** 

- Widely deploy AI technology for images to be deployed to realize smart cities
- In addition to AI analysis, invest in AI signage media and LED display media to broadcast information
- Growing into one of the top global companies in the edge Al domain, advancing technology and the penetration of Al services in society
- Expand local advertising media in the real world through AI technology, as well as to utilize AI in a wide range of areas such as virtual/gaming and satellite image detection

Neural Pockets celebrating 5 Years since founding and has updated it's company name to reflect the breadth of business

Building an exciting and inspiring future with Al



**Neural Group Inc.** 

The company name "Neural Group" expresses our desire to provide unconventional services that transcend boundaries in a wide range of fields enabled by cutting-edge AI technologies. We will utilize edge AI across both real and virtual spaces to realize an exciting future globally, covering various applications such as AI cameras, digital advertisements, fashion apparel, AI games, and AI analysis of satellite images.



#### **Disclaimer**

#### Handling of the material

This document contains forward-looking statements. These statements are based solely on the information available at the time the statements were made. Furthermore, such statements are not guarantees of future results and are subject to risks and uncertainties. Actual results may differ materially from those projected in the future due to changes in the environment and other factors. Factors that may affect the actual results described above include, but are not limited to, domestic and international economic conditions and trends in relevant industries. We are under no obligation to update or revise any of the future information contained in these materials in the event that new information comes to light or future events occur. The information contained in these materials relating to matters other than the Neural Pocket is quoted from public information and Neural Pocket has not verified and does not guarantee the accuracy or appropriateness of such information.

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