

# **DX** in construction industry

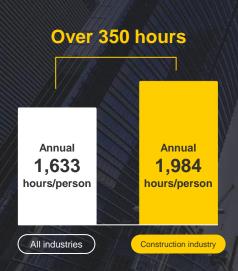
DX (Digital Transformation) is the adoption of digital technology to transform services or businesses, through replacing non-digital or manual processes with digital processes or replacing older digital technology with newer digital technology.

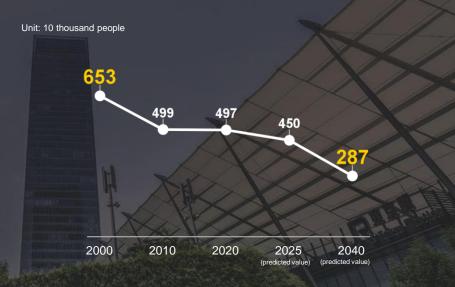


# Serious issues facing the construction industry



## Future shortages of workers\*2





<sup>\*1:</sup>Compiled from the Monthly Labour Survey (FY2021) by the Ministry of Health, Labour and Welfare.

<sup>\*2:</sup> Based on the Nikkei BP \*Construction Tech Future Strategy" published on Mar. 16, 2020, the Ministry of Internal Affairs and Communications 2015 "Basic Summary of Working Conditions, etc." and the Ministry of Land, Infrastructure, Transport and Tourism "Construction Investment Prospects for FY2020 (FY2020)," we independently estimate that there will be a shortage of construction workers if domestic construction investment of 63 trillion (Prospects) for FY2020 will remain at the same level until 2040.

# Construction DX needs expected to grow rapidly

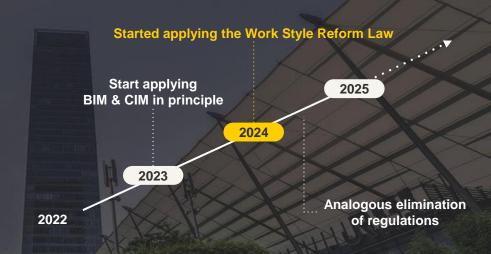
## Long-term outlook for construction investment\*1

■:Non-residential areas (buildings and condominiums)
■:Civil engineering field

■:Housing area (detached houses)



## Policies to accelerate DX-2



<sup>\*1:</sup> Prepared by us from "Medium-to Long-Term Forecasts for Construction Investment (Forecast to FY2035)" by the Research Institute of Construction and Economy, Inc. (Announced on Mar. 26, 2021) and "Forecast for Construction Investment for FY2021" by the Ministry of Land, Infrastructure, Transport and Tourism. 2035 The forecast for the fiscal year is based on the estimated value of an early economic recovery from the new Coronavirus by the Research Institute of Construction and Economy.

\*2:Ministry of Land, Infrastructure, Transport and Tourism, "How to Promote the Apolication of BIM/CIM Principles in FY2023 (Mar. 2, 2021)" and Digital Agency, "Progress in the Comprehensive Revision of Regulations in the Context of Digital Principles and Acceleration of Initiatives" (Oct. 27, 2022)

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# DX services to improve productivity in the construction industry

# s\* SPIDERPLUS

Site management In the business to Rack Enormous number of sites For clerical work Decrease Mistakes and omissions in operations and inspections Eliminate



Cornerstone of on-site communication

# Business model based on a deep understanding of the construction industry

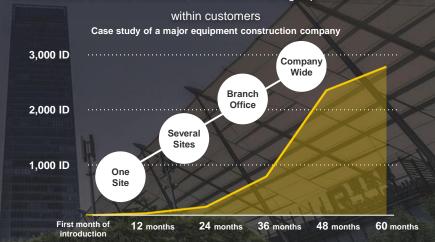
Structure in which deep understanding of customers to value provided

SPIDERPLSUS grows with its customer base



## Growth potential arising from network effects

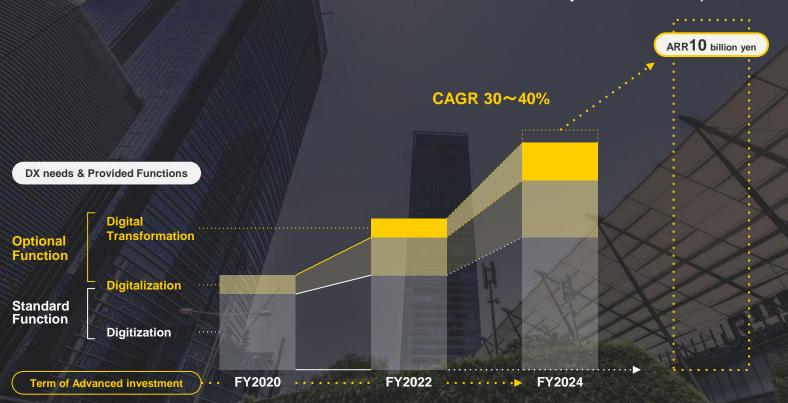
As the number of users increases, information sharing is promoted on-site and



<sup>\*1:</sup>The churn rate is the churn rate for the number of companies. The monthly churn rate is the average of the most recent 12 months. The churn rate for each month is calculated based on the number of cancellations in the current month divided by the number of contracted companies as of the end of the previous month.

# **Growth Strategy**

Provide services to realize DX needs and achieve ARR of 10 billion yen as soon as possible



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# FY2022.Q3 Highlights

- 1.FY2022.Q3 Highlights
- 2. Financial Information
- 3.Reference: About SPIDERPLUS
- 4.Reference: Market environment
- **5.Reference: Medium-term Vison**

## FY2022.Q3 KPI-1

**Cumulative Sales of ICT business** 

**ARR** 

Company

1,805 millions of yen

YoY Growth +29%

2,575 millions of yen

YoY Growth +28%

1,446 companies

YoY Growth +30%

ID

ARPU

Churn rate

**52,685** <sub>ID</sub>

YoY Growth +22%

3,854 yen

YoY Growth +4%

0.4%

**Historic lows** 

| Cumulative Sales | ARR     | Company   | ID X    | ARPU | Churn rate |
|------------------|---------|-----------|---------|------|------------|
| Good             | Neutral | Very Good | Neutral | Good | Very Good  |

<sup>\*1: &</sup>quot;Very Good", "Good" and "Neutral" represent our view of performance. Each words denotes the results compared to the forecast and the growth rate as follows. "Very Good": A word for representing greater-than-expected results. "Good": A word for an item that has been improved or not anticipated. "Neutral": A word for lower-than-expected results. "Bad": A word for representing a significant decline in value or a net decrease in value

## Thank you.

(Excerpt from new FY2022.Q3 contracts and expanded introduction customers-1)



For a Lively World

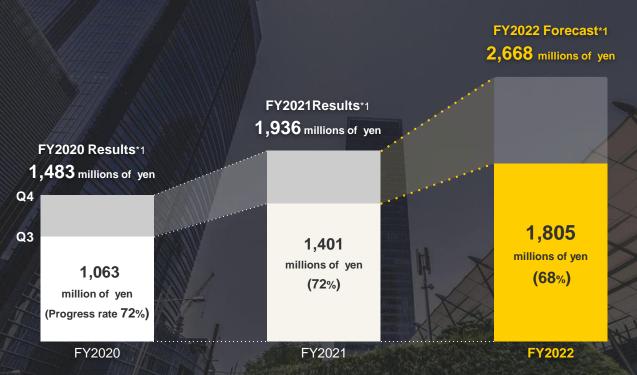




<sup>\*1:</sup>Only companies that have obtained permission to publish their logos will be listed. © 2022 SpiderPlus & Co. Securities Code:4192

# **Net Sales: Forecast Progress**

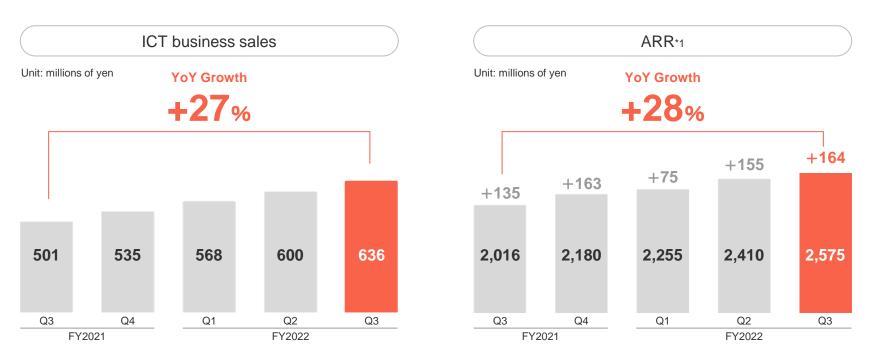
(Progress rate is slightly behind compared to previous years, but generally at the same level.)



<sup>\*1:</sup>Figures for FY2020 and FY2021 represent net sales of the ICT business only (the engineering business was transferred in Jan. 2022 and the ICT business is a single segment from FY2022). © 2022 SpiderPlus & Co. Securities Code:4192

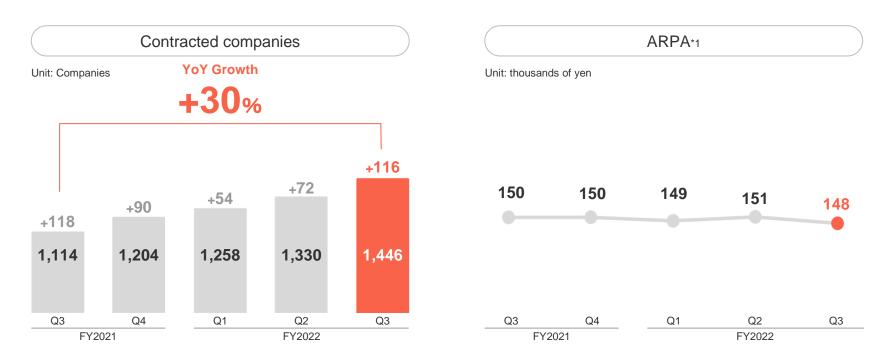
**Net Sales & ARR** 

## Net sales increased 27% YoY, ARR increased 28% YoY



<sup>\*1:</sup> ARR is calculated by multiplying the monthly MRR of each quarter-end month by 12 (annualized) times the total amount of monthly usage fees that do not include temporary revenue at the end of the month of the target month.

## Record level of new contractor growth while maintaining ARPA

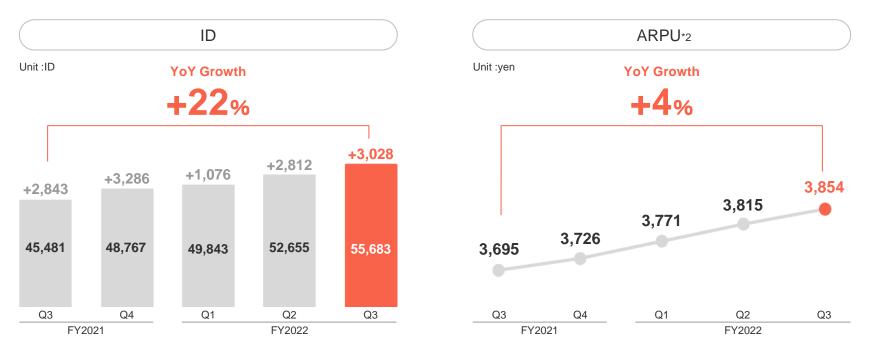


<sup>\*1:</sup>Represents the average unit price of a contracted company unit and is calculated based on "MRR ÷ the number of contracted companies" as of the end of each quarter. © 2022 SpiderPlus & Co.

ID & ARPU SpiderPlus & Co.

Focus on sales strategy emphasizing optional functions and large-scale negotiations,

As a consequence, at the time of 3Q, although ID growth is lower than expected, ARPU is rising steadily

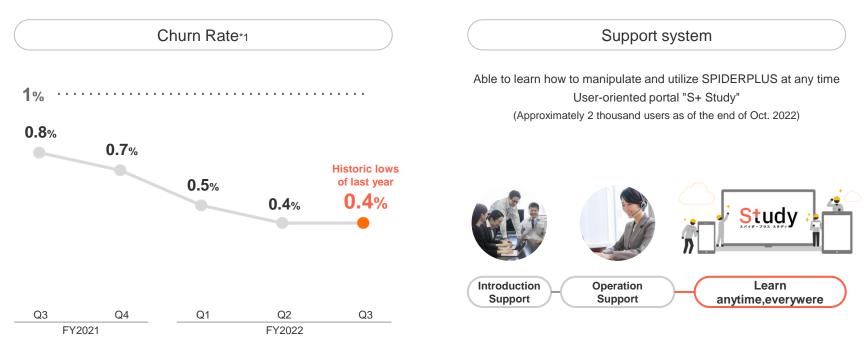


<sup>\*1:</sup> Refers to certain large transactions, such as the introduction of SPIDERPLUS for several 100 people (ex, company-wide introduction).

 $<sup>\</sup>star$ 2: Represents the contract unit price for the ID unit and is calculated by "MRR  $\div$  number of IDs" for the month of the end of each quarter.

Churn Rete SpiderPlus & Co.

# "S+ Study" launched in Jul. 2022 also contributed, and the churn rate continues to be at a historically low level



<sup>\*1:</sup>The churn rate is the churn rate for the number of companies. The monthly churn rate is the average of the most recent 12 months. The churn rate for each month is calculated based on the number of cancellations

in the current month divided by the number of contracted companies as of the end of the previous month.

# **Business Topics**

Released

**New function** 

SPIDERPLUS PARTNER



Intellectual property



Sustainability



Opportunities & Challenges

Sales enhancement of Optional functions

Sales Enablement

# We will incorporate requests from a 1-year field test, Formal sales a new option to expand SPIDERPLUS user base

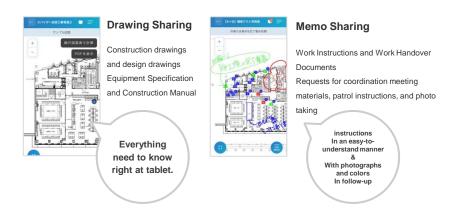
### About "PARTNER function"

- Optional function to connect general contractors/subcontractors and subcontractors
- Unified management of business reports that occur "daily," "many times,"
   and "many times" between the 2



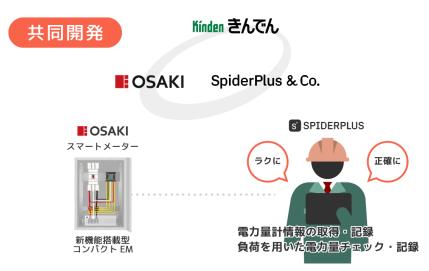
#### Feature

 Reduce communication costs for site supervisors managing specialized construction company



<sup>\*1:</sup>Started direct sales in Nov. 2022. Sales via agencies and distributor are scheduled for Jan. 2023 or later.

New features in anticipation of megatrends in the power industry, where smart meters become standard equipment

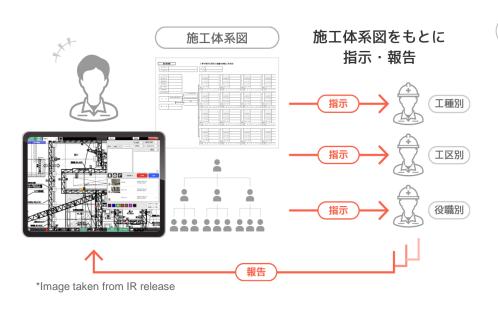


#### \*Image taken from IR release

### Function & Feature

- Provided as an optional extra function for electrical installation
- Automatically obtains 13 types of information from
   Osaki Electric Industry's smart meters, reducing human
   errors such as measurement omissions and
   transcription errors.
- Minimizes the risk of costly re-inspections

# Technology that makes information sharing an exclusive function using an essential construction system diagram<sup>2</sup> at a construction site



## About Technology & Outlook

- Patents for work instructions/completion reports between operators
- Applied to inter-company collaboration functions planned to be developed with SPIDERPLUS and new optional "Partner Functions"
- Elimination of communication problems occurring at construction sites with cooperation between businesses

<sup>\*1:</sup>Patent No. 7121215 (registered on Aug. 8, 2022) and Patent No. 7129584 (registered on Aug. 24, 2022)/Name of invention "Construction Work Management System, Construction Work Management Method and Program"

<sup>\*2:</sup>Based on the construction system ledger containing the names of all contractors undertaking construction, the number of contractors of each trading company, and the names of engineers of each contractor in the Construction Business Act, a diagram is designed so that the division of construction roles of each contractor can be understood at a glance.

# Technology related to BIM<sub>2</sub>, which is expected to become more popular in the construction industry



## About Technology & Outlook

- Integrating construction data recorded on SPIDERPLUS into BIM
- Applied to BIM linkage functions planned to be developed in SPIDERPLUS
- In 2023, BIM utilization in public works is scheduled to become a principle\*3

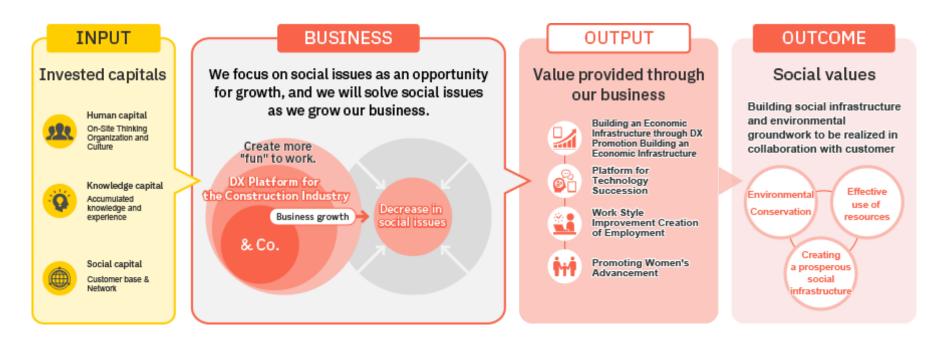
<sup>\*</sup>Image taken from IR release

<sup>\*1:</sup>Patent No. 7129586 (registered on Aug. 24, 2022)/Name of the invention: "BIM Data Provision System, BIM Data Provision Method and Programme"

<sup>\*2:</sup> Abbreviation of BIM: "Building Information Modeling. In BIM, all information on the construction life cycle (planning, designing, construction, and maintenance after completion) is integrated into the 3-dimensional model of the building.

<sup>\*3:</sup>Ministry of Land, Infrastructure, Transport and Tourism, "How to Promote the Application of BIM/CIM Principles in FY2023 (Mar. 2, 2021)" and Digital Agency, "Progress in the Comprehensive Revision of Regulations in the Context of Digital Principles and Acceleration of Initiatives" (Oct. 27, 2022)

Focus on social issues as growth opportunities and realizing sustainable value creation through business growth



<sup>\*1:</sup>Sustainability website:https://en.spiderplus.co.jp/about-us/sustainability/

## sales enhancement of optional functions to correspondence expanding DX needs

## Expanding DX needs

Beyond replacing analog tools,
Increasing number of companies intending to use digital more essential

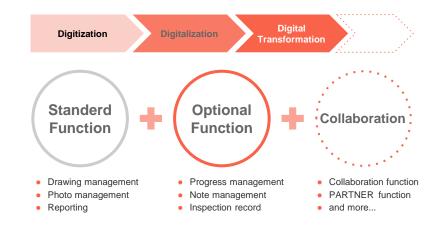
On site
Digital Transformation

On work process
Digitalization

On tools
Digitization

Why sales enhancement of optional functions

Accelerate customer DX by utilizing a combination of optional functions



## Establish a service delivery system that drives high ARR growth rates

## Sales enablement

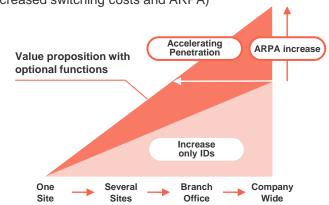
 Respond to rapidly expanding DX demand and move forward with organizational development to quickly maximize return on invested capital

#### Organization building & Sales enablement **Expected Effects** Accelerating Penetration Enhance Circulation of Improved product sales and Organization knowledge and Increase ARPA understanding proposal Optimization experience capabilities Large-scale business negotiation

## **Accelerating Penetration**

 Accelerate penetration through company-wide introduction, etc. through value proposition that combines optional functions

 Enhance customer benefits through the use of options (increased switching costs and ARPA)



# **Financial Information**

- 1.FY2022.Q3 Highlights
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# Financial Highlights 4

Advanced investment focused on sales growth rate as planned.

|                                    | THE STATE OF THE S |            |                        |  |
|------------------------------------|--|------------|------------------------|--|
| Millions of yen                    | FY2022.Q3<br>Cumulative period   | YoY        | FY2022<br>Forecast     |  |
| Net sales                          | 1,805  | +28.9%     | 2,668                  |  |
| Gross profit                       | 1,115  | +23.0%     | _                      |  |
| Gross profit margin                | 61.8%  | -2.9pt     | J                      |  |
| Operating loss                     | -753   |            | -1,189                 |  |
| Cash and deposits                  | 3,378  | 47         |                        |  |
| (Reference)<br>Number of employees | 232 Person   | +59 Person | over <b>250</b> person |  |

<sup>\*1:</sup>YoY results are calculated using comparative information, excluding profit/loss related to ENG business from the company-wide profit/loss. © 2022 SpiderPlus & Co. Securities Code:4192

Income Statement SpiderPlus & Co.

| Millions of yen                    | FY2022.Q2<br>Accounting<br>period | FY2022.Q3<br>Accounting<br>period | QoQ    | FY2021.Q3<br>Cumulative<br>period | FY2022.Q3<br>Cumulative<br>period | YoY          |
|------------------------------------|-----------------------------------|-----------------------------------|--------|-----------------------------------|-----------------------------------|--------------|
| Net sales                          | 600                               | 636                               | +5.9%  | 1,613                             | 1,805                             | +11.9%       |
| Of net sales, ICT business         | 600                               | 636                               | +5.9%  | 1,401                             | 1,805                             | +28.9%       |
| Gross profit                       | 390                               | 375                               | - 3.7% | 934                               | 1,115                             | +19.3%       |
| Gross profit margin                | 64.9%                             | 59.1%                             | -5.9pt | 57.9%                             | 61.8%                             | +3.8pt       |
| SG&A expenses                      | 616                               | 692                               | +12.3% | 1,233                             | 1,868                             | +51.5%       |
| Operating loss                     | -226                              | -316                              | _      | -298                              | -753                              | _            |
| Ordinary loss                      | -234                              | -319                              | _      | -352                              | -769                              | <del>-</del> |
| Extraordinary income               | 0                                 | _                                 |        | _                                 | 132                               |              |
| Extraordinary losses               | 0                                 | 0                                 |        | 0                                 | 0                                 |              |
| Quarterly loss before income taxes | -234                              | -319                              | _      | -352                              | -638                              | _            |
| Net loss through the quarter       | -236                              | -320                              | _      | -356                              | -643                              | _            |

#### **About Cumulative FY2022.Q3**

#### **Net Sales**

- Accompanying sales growth (YoY+28.9%) in ICT business, cumulative FY2022.Q3 sales increased to 1.805 billion yen.
- Of the 1.613 billion yen in sales for the cumulative FY2021.Q3 period, sales from the Engineering.
   Business, which has been transferred, were 212 million yen.

#### **Gross profit margin**

- Gross margin rose to 61.8%(YoY+3.8pt) as ICT business became a single business from the fiscal year under review.
- Started depreciation of software in line with the launch of sales of the renewed SPIDERPLUS.

#### SG&A expenses

 SG&A expenses increased to 1.868 billion yen (YoY+51.5%) in the cumulative period due to the relocation of advanced investment and the head office to ICT business, mainly in human resources.

| Millions of yen     | FY2021.Q2<br>Cumulative period*1 | FY2022.Q3<br>Cumulative period | YoY            |
|---------------------|----------------------------------|--------------------------------|----------------|
| Net sales           | 1,401                            | 1,805                          | +28.9%         |
| Cost of sales       | 495                              | 690                            | +39.5%         |
| Gross profit        | 906                              | 1,115                          | +23.0%         |
| Gross profit margin | 64.7%                            | 61.8%                          | -2.9 <i>pt</i> |
| SG&A expenses       | 1,230                            | 1,868                          | +51.8%         |
| Operating loss      | -324                             | -753                           | _              |

#### **About Cumulative FY2022.Q3**

#### Net sales

 Both ID numbers and ARPU increased, and ICT business sales were 1.805 billion yen.
 Increased to (YoY+28.9%)

### SG&A expenses

- SG&A expenses 1.868 billion yen due to planned advanced investment. Increased to (YoY+51.8%)
- Advertising expenses were 137 million due to exhibitions, online marketing, etc.

<sup>\*1:</sup>Performance excluding profit and loss related to ENG business from company-wide profit and loss is presented as comparative information.

Balance Sheet SpiderPlus & Co.

| Millions of yen      | FY2020 | FY2021 | FY2022.Q3 |
|----------------------|--------|--------|-----------|
| Cash and deposits    | 469    | 4,196  | 3,378     |
| Other current assets | 351    | 512    | 476       |
| Current assets       | 820    | 4,708  | 3,855     |
| Software             | 3      | 2      | 589       |
| Software in progress | _      | 381    | 164       |
| Other fixed assets   | 80     | 334    | 523       |
| Fixed assets         | 84     | 717    | 1,277     |
| Total assets         | 905    | 5,426  | 5,132     |
| Borrowings           | 266    | 178    | 466       |
| Other liabilities    | 230    | 626    | 610       |
| Total liabilities    | 496    | 804    | 1,076     |
| Total net assets     | 408    | 4,622  | 4,056     |
| Equity ratio         | 45.1%  | 85.2%  | 79.0%     |

#### **About Cumulative FY2022.Q3**

## Cash and deposits

- While funds have been appropriated to advanced investment, the Company received 200 million yen as consideration for the transfer of the engineering business in Jan. 2022.
- Borrowed 330 million for capital investment related to the relocation of headquarters.

#### Software & Software in progress

 Recorded software account and started depreciation in line with the release of the renewed version of SPIDERPLUS.

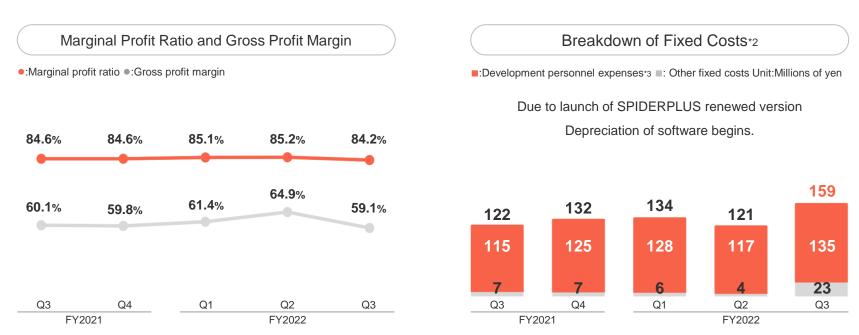
#### Other fixed assets

 Increase in property, plant and equipment mainly due to the occupancy of the new office that was relocated in May. 2022.

#### Debt

 Increased due to borrowing of 330 million (repayment period: 5 years, unsecured) to fund capital investment related to head office relocation expenses.

## Marginal profit ratio\*1 remained stable at around 85%



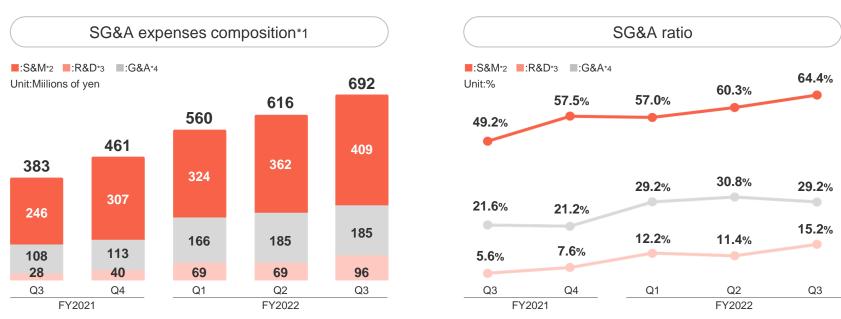
<sup>\*1:</sup>Marginal profit is "Net sales-Communication expenses (Cost of sales)-Commissions paid (Cost of sales)," and marginal profit ratio is calculated as "Marginal profit ÷ Net sales."

ICT business

<sup>\*2:</sup>Only fixed costs in cost of sales, not including SG&A expenses.

<sup>\*3:</sup>Includes expenses related to outsourcing (including SES) and temporary staffing, in addition to permanent employee human rights expenses. Other fixed costs are based on our accounting classifications used for administrative purposes.

## Implementation of advanced investment based on planned cost control



<sup>\*1:</sup>Each structure is a management accounting structure.

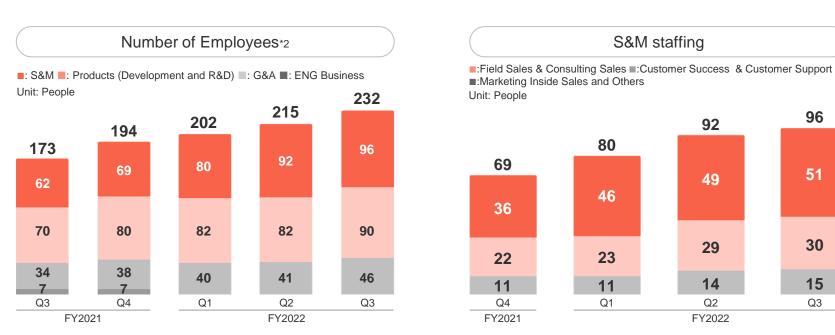
<sup>\*2:</sup> Abbreviation of Sales and Marketing. "Total of personnel expenses, advertising expenses, sales commissions, etc. and related common expenses related to the sales department including marketing" for each quarterly accounting period.

<sup>\*3:</sup> Abbreviation of Research and Development. "Total amount of personnel expenses, etc. related to the development division and related common expenses" for each quarterly accounting period.

<sup>\*4:</sup> Abbreviation of General and Administrative. "Total Corporate Division Expenses and Related Common Expenses" for each quarterly period.

Continue human investment and enablement in the S&M division, a key strategy.

Prepare for growing demand for IT investment in line with the application of maximum regulations on work style reform bills to the construction industry.



<sup>\*1:</sup>The application of the bill's caps to the construction industry will be given a five-year grace period and will take effect in April 2024.

<sup>\*2:</sup> Includes the number of sales and corporate temporary staff and the number of development-related SES staff (excluding outside directors, etc.).

FY2022.Q3 Summary SpiderPlus & Co.

#### **Customer base**

Develop major customer groups to accelerate network effects. Strengthen sales of option functions to meet customer issues.

**Advanced investment** 

Focus on product development and human investment to achieve high ARR growth rates.

**Performance Progress** 

Toward early achievementof ARR10 billion yen,

Maximize sales and development results through enablement strategy.

# **Reference: About SPIDERPLUS**

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## Functional lineup that can respond to various DX needs



Standard Function
Monthly 3 thousand yen/ID



**Drawing management** 



Electronic black board



Photo management



**Generate reports** 

## **Optional Functions**

Industry-specific package
Monthly fee 2.5 thousand yen/ID

#### Other optional features

Monthly /ID of 2 thousand yen for indicated control functions

Pipe slope measuring function 1 thousand yen per month /ID



For Buildings

Pile Construction Record/Reinforcement
Inspection/Finishing Inspection
Construction progress management



For Electrical equipment hecking watt-hour meters/Trunk and le

Checking watt-hour meters/Trunk and load facilities

Connection of outlet test/illuminance measuring

machine

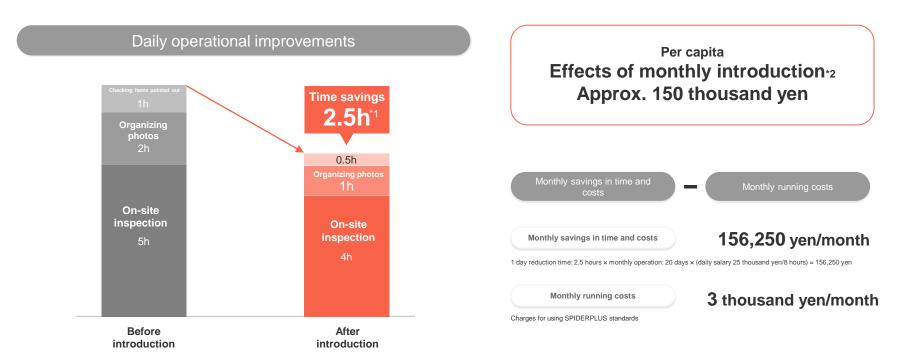


For Air-conditioning sanitary equipment Coordinated with air flow meter/Pressure gauge

Thermo-hygrometer linkage/Noise meter linkage

<sup>\*1:</sup> Figures for standard functions and option usage fees by industry exclude consumption tax. The use of option features requires a contract for standard features.

After the introduction of SPIDERPLUS, business was improved by 2.5 hours/day on average.



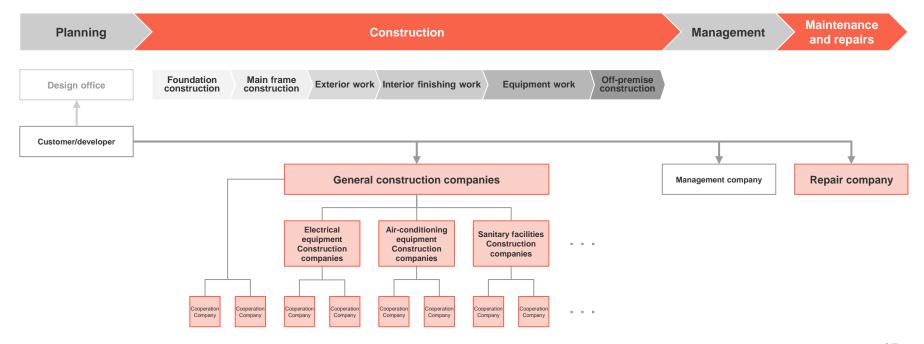
<sup>\*1:</sup>Reduced times are prepared by us based on internal survey materials of companies that have introduced tablets and SPIDERPLUS.

<sup>\*2:</sup>Labor costs are 25 thousand yen/day, working hours per day are 480 minutes/day, and the number of working days per month is estimated at 20 days. It does not include SPIDERPLUS up-front costs, server costs, tablet-use fees, communication and educational costs, and consumption taxes.

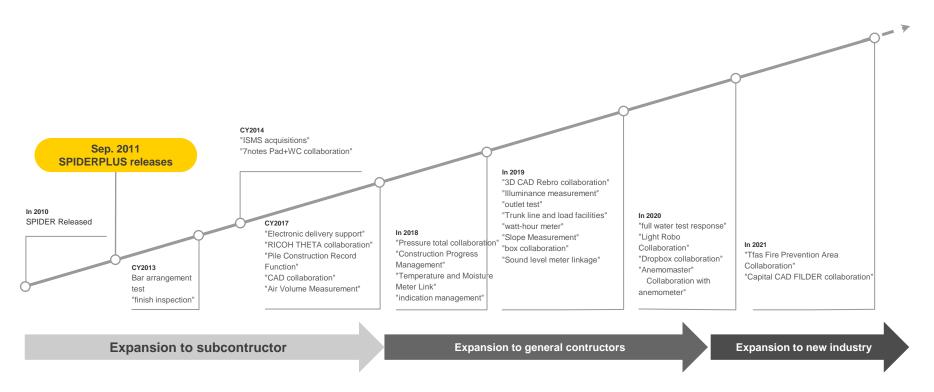
Use of SPIDERPLUS SpiderPlus & Co.

Products used in large-scale construction sites, such as buildings and condominiums

Completed on a SPIDERPLUS basis, from in-house construction management to information-sharing between businesses



# SPIDERPLUS developed and improved with customers over a decade



# SPIDERPLUS selected as DX-partners

## Examples\*1,2

With the introduction of industry-wide TOP 30 companies
Growing network effects in each industry



#### Taikisha Ltd.

Net sales 209.2 billion yen Number of Employees 5,079 Listed on the TSE Prime Market



#### Hibiya Engineering, Ltd.

Net sales 75.1 billion yen
Number of Employees 944
Listed on the TSE Prime Market



#### YAMATO Inc.

Net sales 45.5 billion yen
Number of Employees 1,103
Listed on the TSE Standard Market

## Background to DX Progress\*3

- Curtailment of long working hours and improvement of operational efficiency in preparation for labor shortages and overtime regulations
- Labor savings by limiting visits to sites associated with COVID-19



<sup>\*1:</sup> The financial results and number of employees for each company are extracted from each company's annual securities report for the most recent fiscal year. Listed market classification is as of August 2022.

<sup>\*2: &</sup>quot;Industry TOP 30" refers to the sales top 30 companies in industry in "Air-Conditioning and Sanitary Construction" selected by SPEEDA.

<sup>\*3:</sup> Summarized the content of our interviews with the companies that introduced the above.

Businesses share information via SPIDERPLUS and streamline construction management for the entire site



# "Productivity reform is an endless theme for improving the industry itself"

## **SHINRYO CORPORATION**



Number of Employees: 2251 (as of Sep. 2021)
Developed comprehensive equipment work,
including air conditioning, electricity, water supply
and drainage sanitation, and cogeneration.
No1 of domestic shares in district heating/cooling

# From Solving Certain Issues to a Comprehensive DX

Shinryo Kogyo has a long history of introducing digitally and has been actively introducing DX for more than a decade. At first, we developed our own tools to solve the immediate problem.

The introduction of tools to solve specific issues at the workplace was aimed at achieving comprehensive labor savings by comprehensively sharing information not only with the Company itself but also with electricity, hygiene, and construction, which is highly versatile. From this, the Company's DX utilization policy has changed to a policy of flexibly incorporating products made by other companies.

## Promotion of industry-wide DX and the factors behind it

There are always difficulties in promoting DX on a company-wide basis due to the nature of on-site operations. At the site, there is a time limit of delivery time and there is a limited cost. While we need to promote DX such as the introduction of tools while operating actual projects under limited conditions, we will not fail by making actual operational sites the test site.

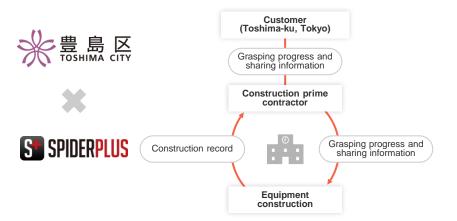
# No change even if DX is promoted

In the construction industry, the introduction of tools has led to a variety of changes at the workplace. Pictures can be collected digitally and efficiently, and they are being replaced, and these efforts also lead to labor savings and cost optimization at the front lines. On the other hand, we believe that "judgments based on an understanding of the essence of technology" remain unchanged as a core.

# Toshima-ku, TOKYO introduces SPIDERPLUS

## **Examples**

- We are the first to introduce municipalities
- The owner and the constructor share information by SPIDERPLUS
- Used for facility management and repair work in Toshima Ward



## **Expected effect**

- Promoting the Digital Shift of Highly Documented Administrative Services
- Expected to be used not only for facility management but also for infrastructure construction
- Accumulate knowledge to expand SPIDERPLUS possibilities



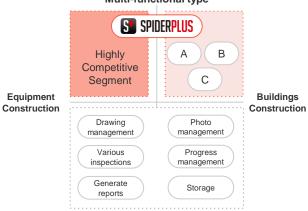
With a wealth of functions in construction management, utilized by major companies in the general contractor and subcontractor industries

Products that enable cooperation between vendors not only within the company, but also within the workplace

## **Positioning**

In many scenes of the construction life cycle Multi-functional products that can be used

## Multi-functional type



Equipment

**Function-specific type** 

### **Customer base**

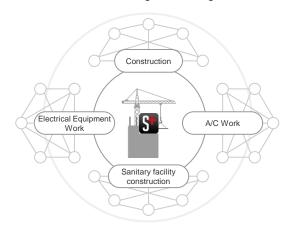
In general construction and general facilities, Introduced by major companies that have established a major position in the industry



#### **Network effect**

By sharing information not only with our own company but also with other companies

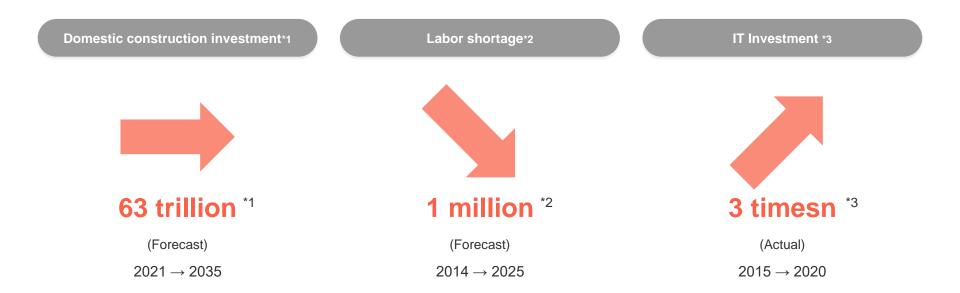
DX for Construction Management throughout the Site



# **Reference: Market Environment**

- 1.FY2022.Q3 Highlights
- 2.Financial Information
- 3.Reference: About SPIDERPLUS
- **4.Reference: Market environment**
- **5.Reference: Medium-term Vison**

# Serious challenge faced by a huge market



<sup>\*1:</sup> Extracted from "Medium-to Long-Term Forecasts for Construction Investment (Forecasts up to FY2035)" (announced on Mar. 26, 2021) by the Research Institute of Construction and Economy, Inc. \*2:Excerpts from Nikkei BP, Construction Tech Future Strategy (issued Mar. 13, 2020).

<sup>\*3:</sup> Extracted from the "Report of the Survey on Enterprise IT Trends 2020" and "Report of the Survey on Enterprise IT Trends 2015" by the Japan Information System and Users Association.

# Construction industry, where DX is a must, near the time of the adoption of the system approaching 2024

#### Application of the Work Style Reform Law\*1

Applicable to the construction industry in 2024

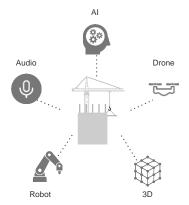
There is an upper limit on overtime.



#### Increasingly sophisticated and diverse needs

Not only in construction management but in all aspects of operations

Rapid technological innovation and the utilization of various technologies are advancing

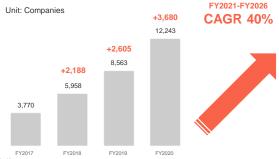


#### Expanding market\*2

Cloud-based construction management services are rapidly spreading

Expecting expansion with high growth potential in the medium term

#### Dissemination Results and Outlook of Construction Management Services



<sup>\*1:</sup>Abbreviation of the Act on Improvement of Related Laws to Promote Work Style Reforms (promulgated on Jul. 6, 2018) issued by the Ministry of Health, Labour and Welfare.
\*2:Excerct from "Market Trends and Vendor Share of Cloud-Based Construction Management Services" by MIC KEIKENKYUSHO CO., LTD.

SOM<sub>2</sub>

Serviceable Obtainable Market

SAM<sub>\*3</sub>

Serviceable Available Market

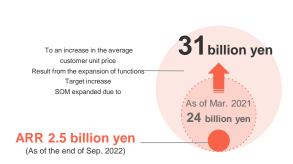
TAM<sub>\*4</sub>

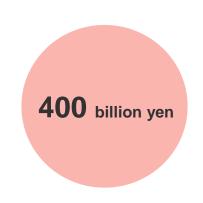
Total Addressable Market

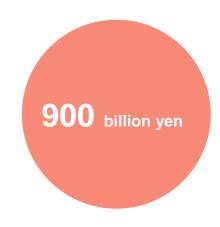
Site supervision of core targets

**Domestic construction workers** 

IT investment in the construction industry







<sup>\*1:</sup>It is the market size we have assumed and estimated and is not calculated for the purpose of demonstrating the objective market size of the businesses we operate.

<sup>\*2:</sup>Calculated by multiplying the "number of site supervisors engaged in domestic construction companies, excluding housing construction companies with 30 or more employees and sales of at least 200 million," which we estimate, by the annual usage fee based on the average unit price per 1ID of SPIDERPLUS as of the end of Dec. 2021.

<sup>\*3:</sup>Calculated by multiplying the number of employees of domestic construction companies, excluding the housing field, estimated by us by the actual maximum unit price per 1ID of SPIDERPLUS, based on the "Current Status and Challenges of the Construction Industry (Jun. 13, 2017)" published by the Ministry of Land, Infrastructure, Transport and Tourism "Reference Materials for the 6th Council of Construction Industry Policies."

<sup>\*4:</sup>Our estimates are based on "Outlook for Construction Investment in FY2020 (FY2020)" by the Ministry of Land, Infrastructure, Transport and Tourism, "SPEEDA's Housing, Reform, and Repair Industry" and "Report of the Japan Information Systems and Users Association's "Corporate IT Trend Survey Report 2020."

# Reference: Medium-term Vision

- 1.FY2022.Q3 Highlights
- 2. Financial Information
- 3.Reference: About SPIDERPLUS
- **4.Reference: Market environment**
- **5.Reference: Medium-term Vison**

## **Medium-term Vision**

Our Mission

2025

2024

2021

Creating "Enjoyment" for Working in the Construction Industry

Medium-term Vision

On the existence that must be in the construction "field"

Milestone Year

Started applying the Work Style Reform Law to the construction industry

Pioneer of construction "on-site" DX

2011

This material contains forward-looking statements. These forward-looking statements are based on information as of the date hereof. These statements are not guarantees of future results or performance. Such forward-looking statements involve known and unknown risks and uncertainties that may cause actual future results and financial condition to differ materially from any future results and results expressed or implied by the forward-looking statements.

Factors that could cause results to differ materially from those discussed in these statements include, but are not limited to, changes in domestic and international economic conditions and trends in the industries in which we operate.

In addition, information regarding matters and organizations other than ours is based on publicly available information, and we have not verified the accuracy or appropriateness of such publicly available information and there can be no assurance.

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