

Beautifully, For the future



TOYOKOH

Presentation Materials for the First Quarter of the Fiscal Year Ending March 2027

TOYOKOH Inc. August 5, 2026

Pages updated from the financial results presentation for the Fiscal Year Ending March 2026 (disclosed on May 13, 2026)

For investors who have been continuously monitoring our IR materials. The following page has been updated since the last time.
Please check the following page for the time being to catch up on the changes from the last time.

Page	Item	Changes
P.5	Trends in sales, operating profit and R&D expenses	The First quarter of FY 2027/3 have been added to the graph.
P.6	Sales pipeline for CoolLaser and SOSEI	Updated as of June 30, 2026
P.7	Financial Statement Analysis (P/L)	Vital parts of the income statement for the first quarter of the FY 2027/3 are shown, compared with the same period last year.
P.8	Financial Statement Analysis (B/S)	Comparison of Key Balance Sheet Items for Q1 FY03/27 with the End of the Previous Fiscal Year
P.10	Proprietary Dust Collection Mechanism of CoolLaser	New slide
P.11	Environmental Measurement Results for CoolLaser	New slide
P.12	Key Initiatives across Priority Areas for CoolLaser	New slide
P.13	Successful Field Verification of the SOSEI Line Robot	New slide
P.15	Company Profile	The following information has been updated as of the end of June 2026: number of officers and employees, sales trends by business, total processed area of SOSEI.
P.22	Intellectual Property Rights Status	The table on the bottom right regarding the number of intellectual property rights has been updated.
P.35	Potential Market Size for SOSEI	Added Regional Revenue Breakdown for FY03/26
P.40	The Society of Laser Processing for Transportable System	Updated to the latest information (Number of members • Added Mr. Tanikura as a Newly Appointed Board Member).

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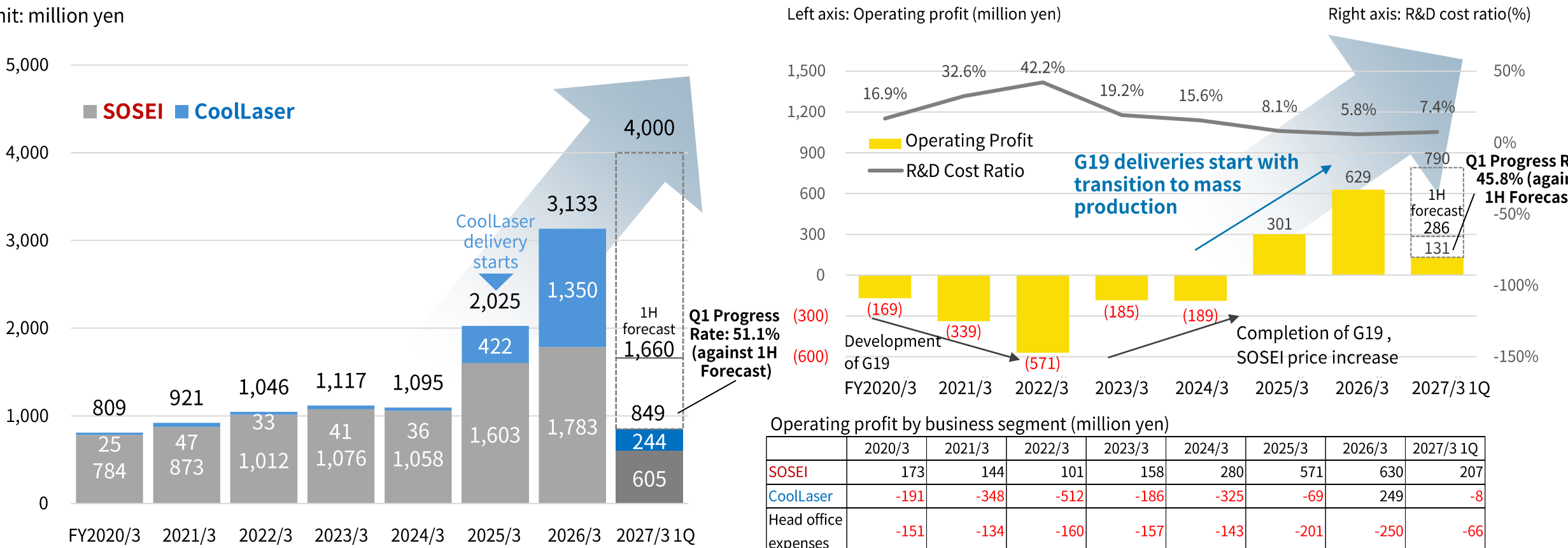
1 : Overview of financial results for the First Quarter of the FY 2027/3



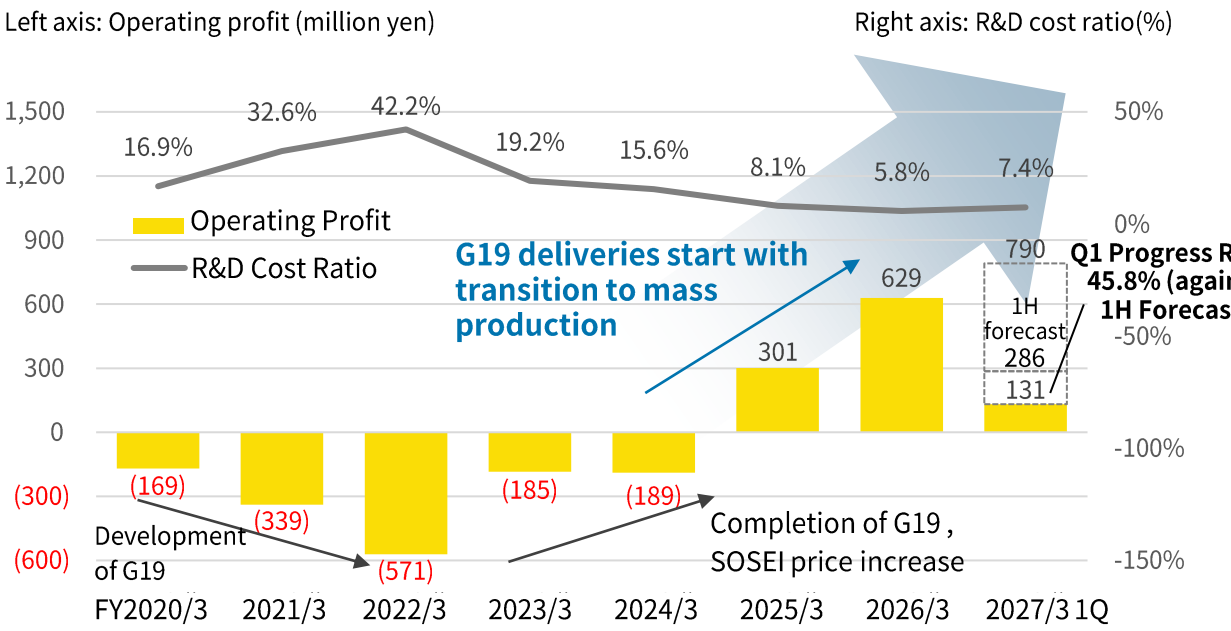
For FY 2027/3 Q1, performance was generally in line with budget, with the Q1 progress rate reaching 51.1% for net sales and 45.8% for operating income against our first-half forecasts.

Sales on CoolLaser continued to grow on equipment sales, as in the previous fiscal year, and overseas expansion is planned. The continued growth of SOSEI will serve as the foundation for supporting the high growth of CoolLaser .

Sales Trends



Trends in operating profit and R&D expense ratio Note



Operating profit by business segment (million yen)

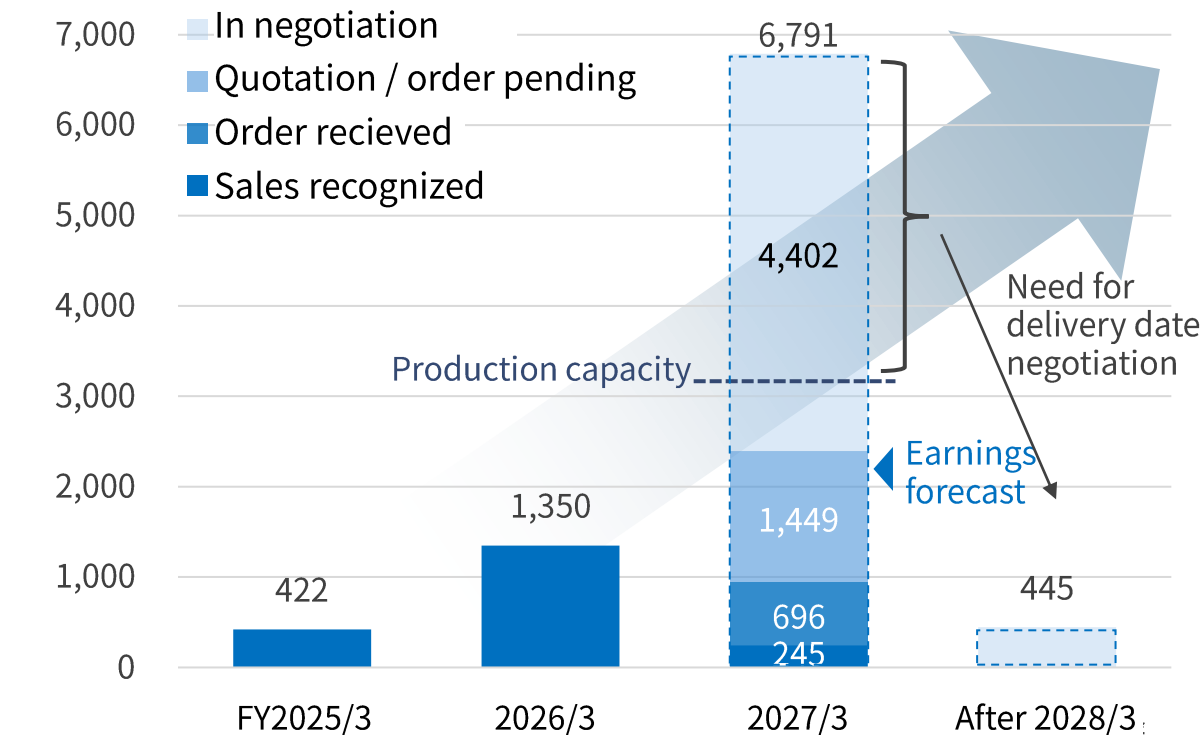
	2020/3	2021/3	2022/3	2023/3	2024/3	2025/3	2026/3	2027/3 1Q
SOSEI	173	144	101	158	280	571	630	207
CoolLaser	-191	-348	-512	-186	-325	-69	249	-8
Head office expenses	-151	-134	-160	-157	-143	-201	-250	-66
Total	-169	-339	-571	-185	-189	301	629	131

Both businesses have a sufficient lead to achieve the earnings forecasts for FY2027/3; however, it is necessary to expand production capacity and resources for further growth.

CoolLaser Sales Pipeline Note



Unit: JPY million

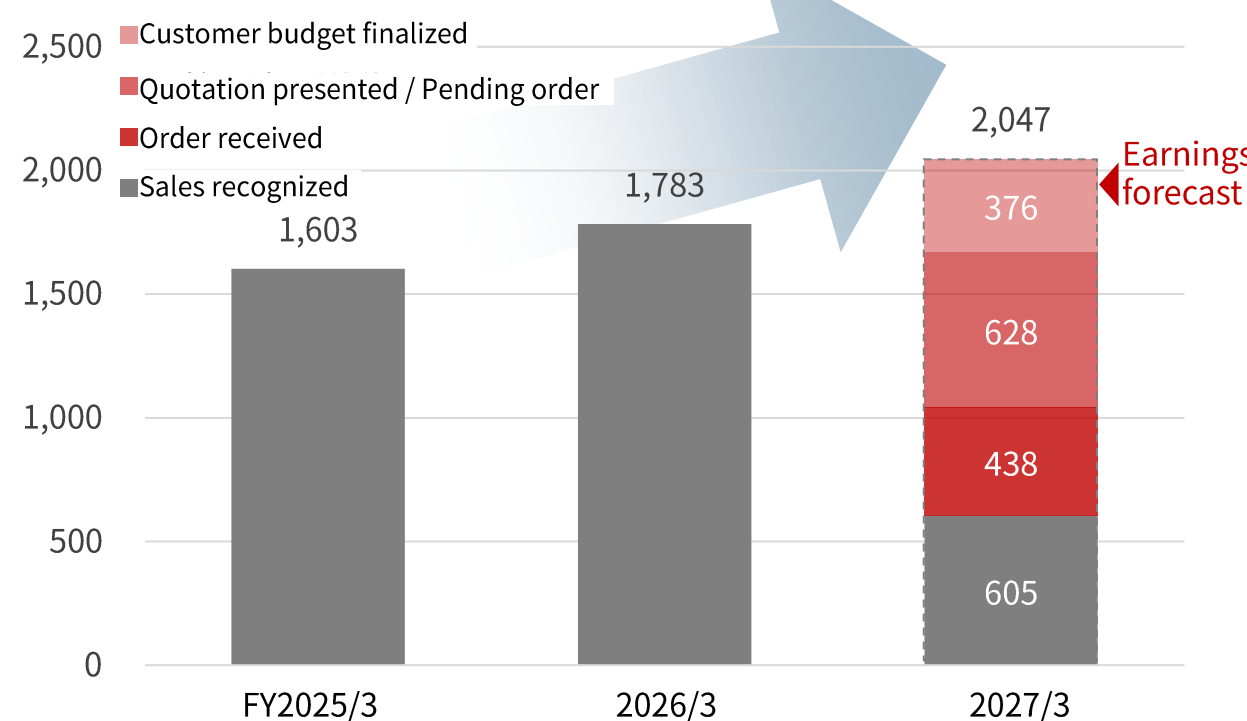


Expanding production capacity and establishing a framework for overseas expansion are the primary challenges for CoolLaser.

SOSEI Sales Pipeline Note



Unit: JPY million



The primary challenges for SOSEI are adjusting construction schedules while considering the impact of the Middle East conflict (raw material procurement) and expanding resources (processing management and sales).

In Q1 FY03/27, despite higher gross profit driven by revenue growth, operating income slightly decreased due to increased SG&A expenses from growth investments.

Breakdown of P/L

❶ CoolLaser delivered two devices between April and June 2026.

SOSEI's growth rate for the 1Q of FY2027/3 is 23.9%, exceeding the full-year forecast of +6.5% from FY2026/3 to FY2027/3.

❷ Although the gross profit margin for SOSEI remains high compared to the construction industry average of approximately 26% ^{Note}, it temporarily deteriorated year-on-year. This was driven by surging raw material prices triggered by geopolitical instability in the Middle East, as well as higher subcontracting costs. We are currently implementing price pass-through initiatives by raising unit sales prices. While this impact is expected to persist through the first half of the fiscal year, we project a full recovery in the second half.

❸ Personnel expenses increased due to the increase in the number of company employees (including PA) from 49 as of the end of March 2026 to 54 as of the end of June 2026 (breakdown : SOSEI +1, CL +3, Head office +1). *Salary in the table include executive compensation. R&D expenses increased YoY due to the addition of two R&D personnel and a ¥10 million increase in development-related consumables.

❹ Commission expenses also increased YoY, driven by a ¥5 million increase in recruitment fees across both SOSEI and CoolLaser for future growth, alongside a ¥3 million increase in SOSEI sales commissions, among other factors.

(Unit : Million yen, %)	FY2025.3 (Actual)		FY2026.3 (Actual)		FY2026.3 1Q (Actual)		FY2027.3 1Q (Actual)		
		Composition ratio		Composition ratio		Composition ratio		Composition ratio	Compared to last year
Sales	2,025	100.0	3,133	100.0	685	100.0	❶ 849	100.0	124.0
SOSEI	1,603	79.1	1,783	56.9	488	71.2	605	71.2	123.9
CoolLaser	422	20.9	1,350	43.1	197	28.8	244	28.8	124.1
Cost of sales	1,163	57.4	1,833	58.5	389	56.8	512	60.3	131.6
SOSEI	898	56.0	1,013	56.8	260	53.4	362	59.9	138.8
CoolLaser	264	62.6	819	60.7	128	65.2	150	61.4	116.9
Gross profit	862	42.6	1,300	41.5	295	43.2	337	❷ 39.7	114.0
SOSEI	704	44.0	770	43.2	227	46.6	242	40.1	106.8
CoolLaser	158	37.4	530	39.3	68	34.8	94	38.6	137.7
Selling, general and administrative expenses	561	27.7	671	21.4	149	21.9	205	24.2	137.1
Salary	190	9.4	228	7.3	51	7.4	68	8.1	❸ 134.1
Research and development expenses	163	8.1	181	5.8	45	6.6	69	8.2	❹ 153.6
Expert fee	110	5.5	132	4.2	24	3.5	35	4.2	❺ 146.6
Other expenses	96	4.8	128	4.1	29	4.3	32	3.8	109.2
Operating profit (loss)	301	14.9	629	20.1	145	21.3	131	15.5	90.2
SOSEI	571	35.7	630	35.3	198	40.7	207	34.3	104.4
CoolLaser	-69	△ 16.4	249	18.5	5	-	-8	△ 3.7	-
Head office expenses	-201	△ 9.9	-250	△ 8.0	-58	△ 8.5	-66	△ 7.9	114.5
Non-operating income	3	0.2	12	0.4	0	0.0	5	0.6	3,512.2
Non-operating expenses	42	2.1	22	0.7	5	0.8	7	0.8	122.1
Ordinary profit (loss)	262	13.0	618	19.7	140	20.5	130	15.3	92.7
Profit (loss) before income taxes	262	13.0	618	19.7	140	20.5	130	15.3	92.7
Profit (loss)	321	15.8	550	17.6	122	17.8	116	13.7	95.5

Note: Source: Construction Industry Information Management Center, General Incorporated Foundation, "Construction Industry Management Analysis (2024) Summary Edition," p. 14

Cash on hand was allocated to cover increased working capital in the CoolLaser business, while liabilities decreased due to tax payments.

Breakdown of B/S

❶ To meet prospective demand for large orders (e.g., up to 10 units per client), inventory of finished goods and products increased by +326M for CoolLaser. Cash and cash equivalents decreased as cash on hand was utilized to fund this working capital increase.

❷ Accounts receivable for CoolLaser decreased by ▲113M due to collections.

❸ For SOSEI, unbilled revenue (contract assets) increased by +130M following revenue recognition under the percentage-of-completion method.

❹ Income taxes payable decreased by ▲53M due to tax payments.

(Unit : Million yen, %)		FY2025.3 (Actual)		FY2026.3 (Actual)		FY2027.3 1Q (Actual)	
			Composition ratio		Composition ratio		Compared to last year
Assets							
	Cash and deposits	2,089	53.7	2,199	41.2	1,807	33.6❶ △ 392
	Accounts receivable	251	6.5	598	11.2	508	9.5❷ △ 90
	Securities	0	0.0	498	9.3	498	9.3 △ 0
	Accounts receivable from completed construction contracts	295	7.6	282	5.3	412	7.7❸ 130
	Inventories (Finished goods, Work in process, Raw materials, etc.)	172	4.4	544	10.2	895	16.7❶ 350
	Other current assets	13	0.4	13	0.3	34	0.6 21
	Total current assets	2,823	72.6	4,137	77.5	4,156	77.4 19
	PPE	533	13.7	678	12.7	683	12.7 6
	Investments and other assets	533	13.7	525	9.8	533	9.9 7
	Total non-current assets	1,066	27.4	1,204	22.5	1,217	22.6 13
	Total assets	3,889	100.0	5,341	100.0	5,373	100.0 32
Liabilities							
	Accounts payable	175	4.5	346	6.5	297	5.5 △ 49
	Current portion of long-term loans payable	129	3.3	264	5.0	366	6.8 102
	Other current liabilities	158	4.1	222	4.2	137	2.6❹ △ 85
	Other current liabilities	463	11.9	833	15.6	801	14.9 △ 32
	Long-term loans payable	1,330	34.2	1,465	27.4	1,398	26.0 △ 67
	Other non-current liabilities	65	1.7	62	1.2	60	1.1 △ 2
	Total non-current liabilities	1,395	35.9	1,528	28.6	1,458	27.2 △ 69
	Total liabilities	1,859	47.8	2,362	44.2	2,260	42.1 △ 101
Net assets							
	Total net assets	2,030	52.2	2,979	55.8	3,113	57.9 134
	Total liabilities and net assets	3,889	100.0	5,341	100.0	5,373	100.0 32

The new CoolLaser factory (HAMAMATSU BASE) has commenced operations, and production of two units per month has already started as of February 2026. We will further increase production capacity through the development of new suppliers in the future.

CoolLaser’s New Manufacturing Hub: "HAMAMATSU BASE"



Current Outlook for the CoolLaser Business Mid-Term Management Plan

There is no change to the target of 120 units per year for FY2030/3, as set forth in the CoolLaser Medium-Term Management Plan published on our website in December 2024.

For FY2027/3, production capacity is two units per month based on the quantity of components available for procurement.

We aim to develop multiple new suppliers around the end of the first half of FY2028/3 to **increase both component procurement volume and production capacity.**

Annual target number of delivery

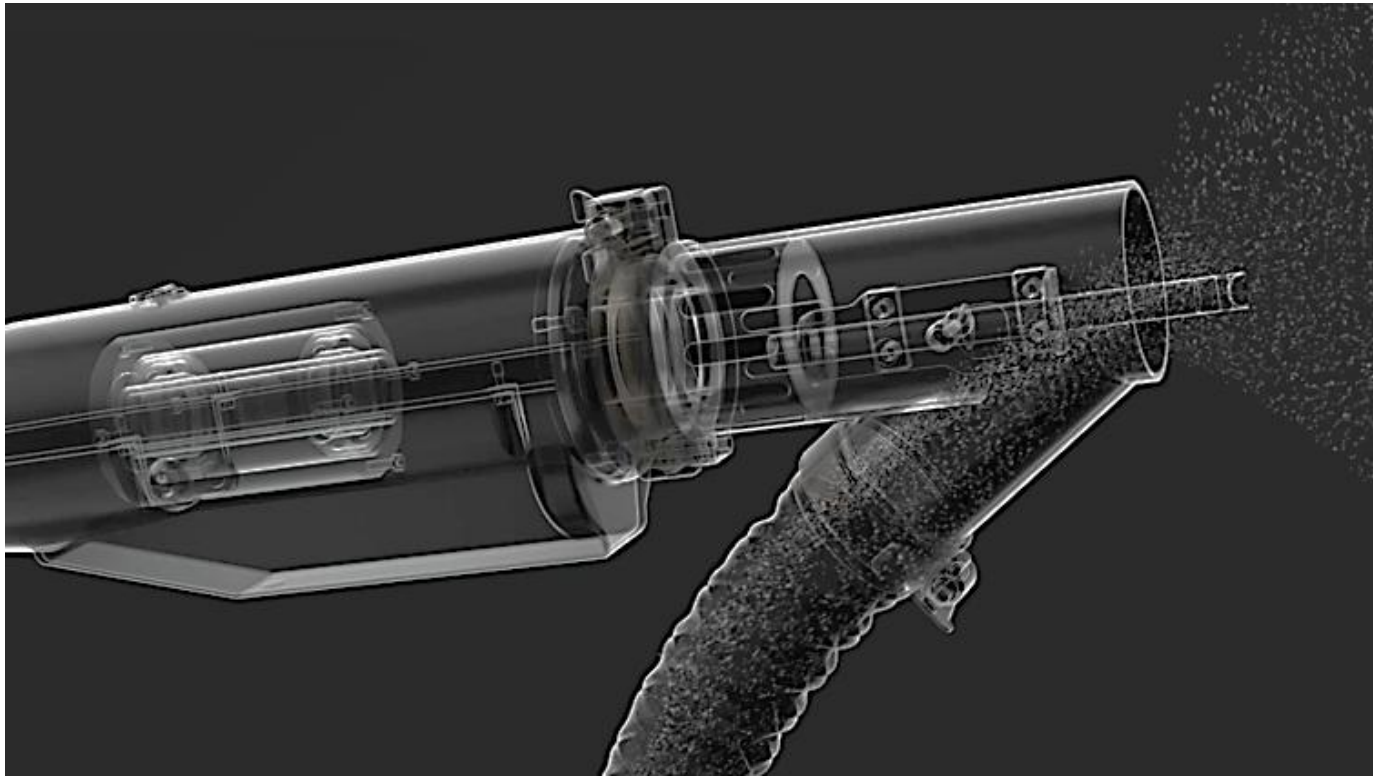
Unit: machine	Aim	Aim	Aim	Aim
	FY2025/3	FY2026/3	FY2027/3	FY2028/3
Number of machines	3~4	9~15	16~29	35~65
	4 (Actual)	12 (Actual)	17~24 (Earnings forecast)	No change to the forecast



**It is a misconception that laser usage alone reduces dust scattering.
Dust scattering is minimized specifically because CoolLaser features an
integrated dust collection mechanism.**

CoolLaser is equipped with a proprietary dust collection system that suctions dust directly at the source simultaneously during laser irradiation. It is not simply the use of lasers, but the unique design of CoolLaser that allows for simplified containment and protective gear.

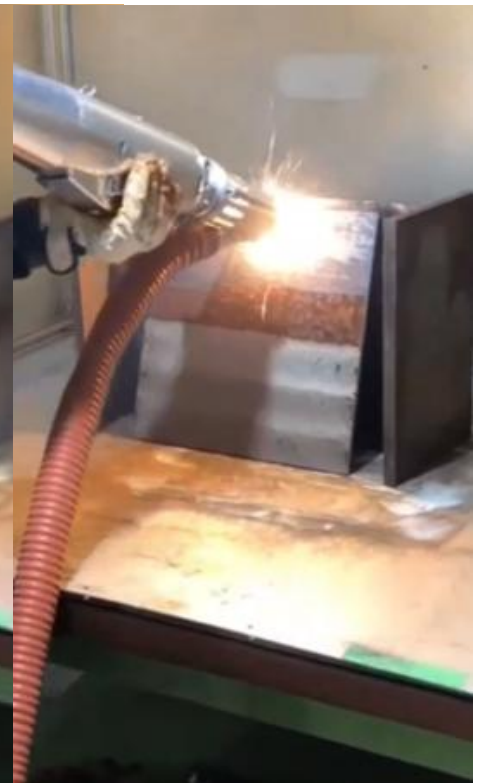
Laser Head Tip (Proprietary mechanism integrated with dust hood)



Dust Collector OFF
(Fumes generated)



Dust Collector ON
(Clean work environment)



CoolLaser's dust collection performance keeps emission levels far below the regulatory standards for soot and smoke from stacks, even without any ventilation equipment.

**Test Results on an actual highway bridge (Coating Containing Lead: 4,700 mg/kg, PCB: 0.7mg/kg)
(Measured in an enclosed space with zero ventilation equipment)**



CoolLaser Emissions

Lead..... **0.089**mg/m³
PCB...Below detection limit
 (<0.001)

< Soot and Smoke Emission Standards
under the Air Pollution Control Act

< Emission Standard for Lead:
10~30mg/Nm³



By utilizing the integrated dust collector, CoolLaser keeps emissions significantly below regulatory standards, even when treating lead-containing coatings.

CoolLaser

Required Protection Factor < Assigned Protection Factor (APF)

Less than 10



Less than 50



Less than 1,000



Assigned
Protection Factor
(APF)

*Figures are test results and are not guaranteed values.

Key Initiatives and Market Momentum across Priority Sectors for CoolLaser.

While individual project disclosures cannot be made public, there are growing signs of major market momentum across key sectors, as detailed below:

[Japan]

- Road Bridges (Municipalities & Expressways): Enables scaffold-free execution for overpasses and pedestrian bridges (approx. 12,000 bridges nationwide ^{Note1}), as well as small-scale bridges, narrow/confined spaces (bearings and girder ends), salt removal, and weathering steel applications.
- Public Works Specifications & Equipment Adoption: In the previous fiscal year, equipment sales reached 12 units despite CoolLaser being specified in only two public works projects. In contrast, CoolLaser has already been specified in over 20 projects for the current fiscal year. This growing track record is expected to drive further adoption, accelerating equipment deployment for these upcoming works.
- Railway Bridges: Enables scaffold-free application for overpass bridges (approx. 9,700 bridges nationwide ^{Note2}).
- Shipbuilding (New Construction & Repair): Support measures, including large-scale government subsidies, are expected under the "Grand Design and Roadmap" (Basic Policy on Economic and Fiscal Management and Reform).
- Construction Equipment Rental Services: Construction equipment rental companies report high equipment utilization rates, resulting in repeat inquiries.

[Overseas]

- Global Expansion: Active negotiations are underway in collaboration with sales distributors in the ASEAN region, Taiwan, and other markets.
- Middle East Deployment: Preparations are currently in progress for shipments to the UAE.

Note1: Source: Ministry of Land, Infrastructure, Transport and Tourism (MLIT), "Current Status and Future of the National Road Facility Inspection Database" (January 19, 2023)

Note2: Source: Ministry of Land, Infrastructure, Transport and Tourism (MLIT), "Road Maintenance Annual Report" (As of March 31, 2023)

Successful Field Verification of "SOSEI Line Robot"

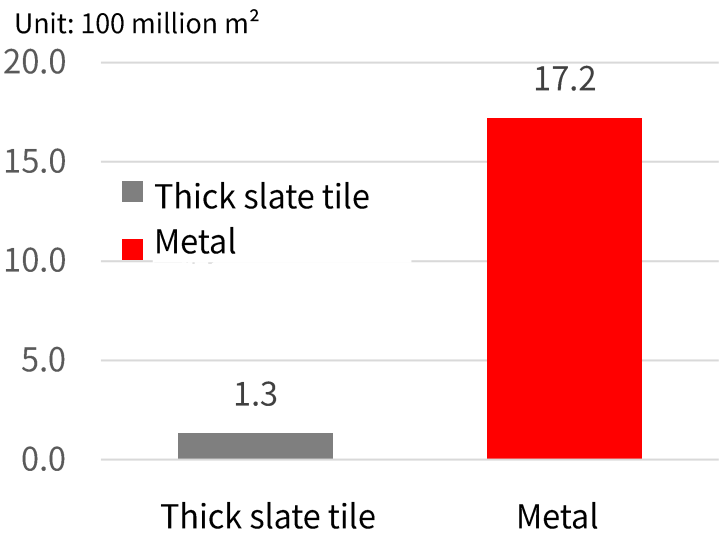
—Automated Machine for Metal Roofs—Marking Full-Scale Entry into the Metal Roof Renovation Market (July 2026)

Verified that the "SOSEI Line Robot," an automated spraying machine designed for the metal roof renovation market, is fully ready for deployment at actual job sites.

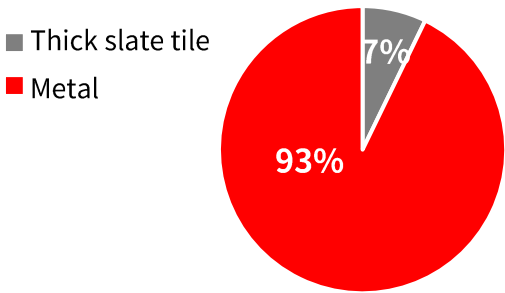
While metal roof applications previously accounted for approximately 15% of total SOSEI projects, we will now leverage this equipment to make a full-scale entry into the metal roof renovation market.

- Key Features of the Equipment —
- Enhanced processing quality, resulting in superior aesthetic appearance and prevention of wind-blown scatter during severe weather
 - Multiple safety mechanisms, including various fall-prevention sensors, to ensure on-site safety
 - Lightweight structure that can be disassembled into multiple components for easy transport to roof surfaces
 - Minimal setup time loss
 - Capable of delivering the SOSEI Method's high thermal insulation and energy-saving benefits to metal roofs

Cumulative Shipped Surface Area of Slate and Metal Roofs^{Note} Application Process and Surface Quality of the SOSEI Line Robot



Shipped Surface Area Ratio of Slate vs. Metal Roofs^{Note}



Note: Compiled by TOYOKOH based on shipping statistics published by the Japan Metal Roofing Association and the Japan Waterproofing Materials Association. (Data collection period: 1996–2023)

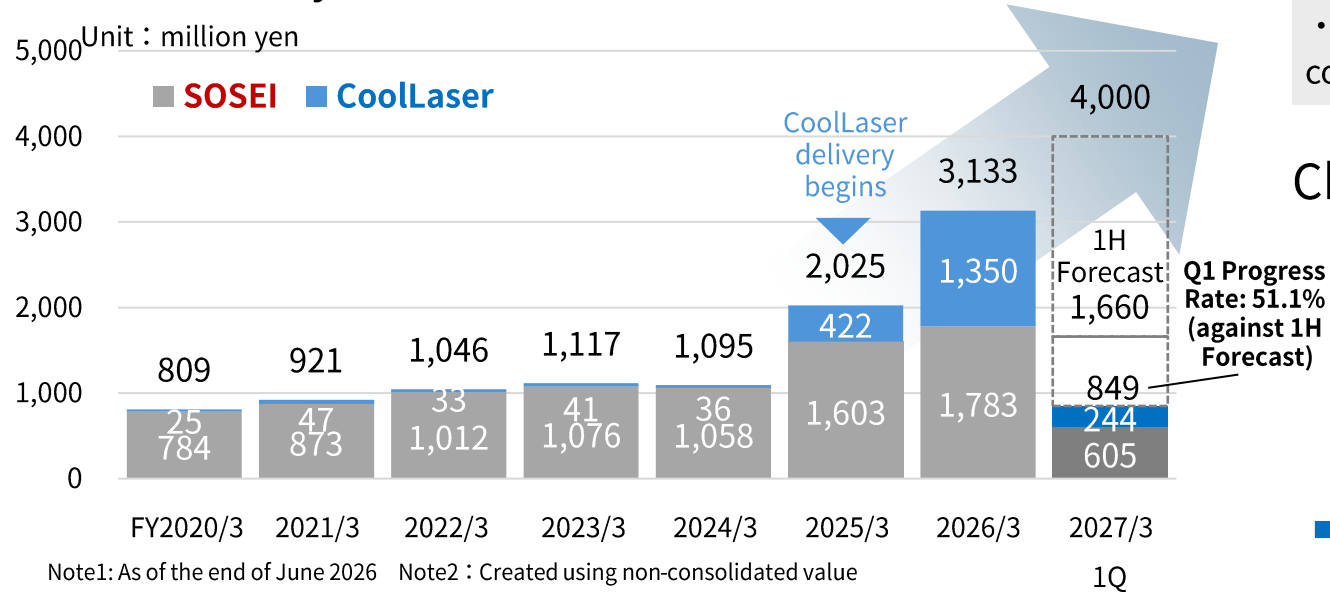
2 : Company Overview



TOYOKOH's technology will create an environmentally friendly future for infrastructure maintenance.

Representative Director, CEO	Kazuaki Toyosawa
Establishment	March 1996 (TSE Growth Market (Code: 341A))
Capital Stock	563 million yen ^{Note1}
Officers and Employees	61 people ^{Note1}
Base	Headquarters: Fuji City, Shizuoka Prefecture
	Factory: HAMAMATSU BASE(Hamamatsu)
	Research Laboratory:
	- CoolLaser development base (Hamamatsu) - SOSEI Development Base (Fuji)
	Branch Office: Tokyo, Fukuoka

Sales trends by business^{Note2}



Mission Beautifully , For the future

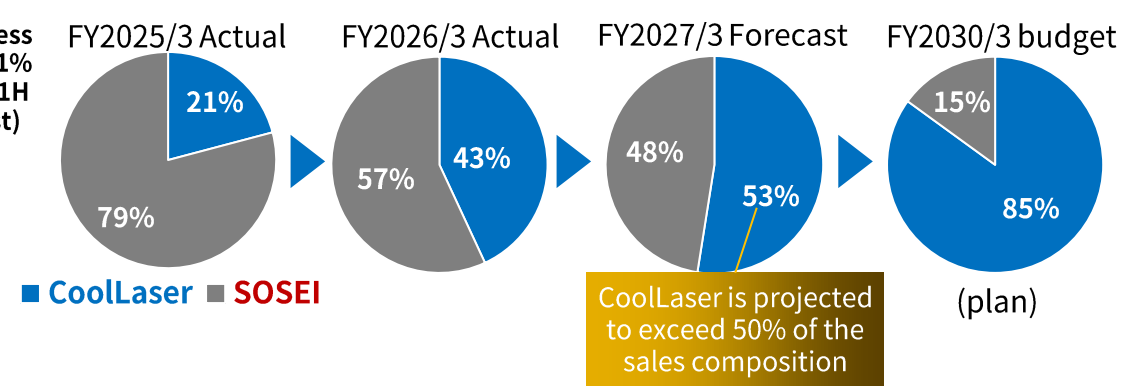
CoolLaser

- Development, manufacturing and sales of "CoolLaser" which uses laser to remove rust and paint from aging infrastructure
- Delivery starts in Sep 2024. Commenced overseas orders in Feb 2026.

SOSEI

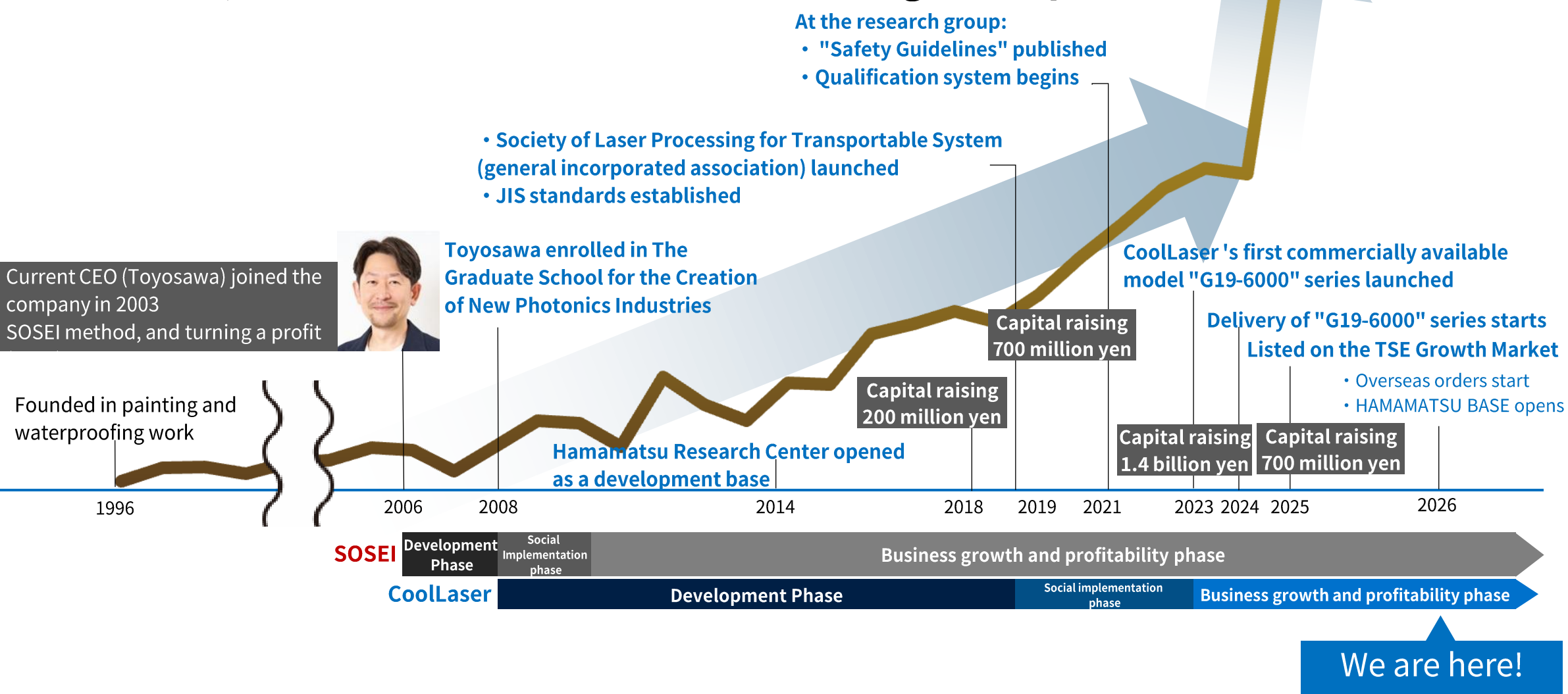
- Development and processing of "SOSEI" which uses three layers of special resin spray coating to restore a strong roof
- A total of 1.74 million m² of floor space already processed for companies such as major automobile manufacturers^{Note1}

Changes in sales composition by business



Commenced mass production of CoolLaser at the new HAMAMATSU BASE factory in 2026. With the start of overseas orders, the business has entered a further growth phase.

TOYOKOH



We have gathered management members with extensive knowledge of optics, construction, and startup management.

A deep tech company ^{Note1} that develops and manufactures "CoolLaser[®]," a laser construction device made in Japan that boasts the world's highest level of output for outdoor use, in its CoolLaser business.



Kazuaki Toyosawa
Representative Director,
CEO

The second generation founder of TOYOKOH, he is well versed in the construction industry. Former designer. Creator of the one-of-a-kind technology SOSEI and CoolLaser.



Noriyuki Suzuki
Director COO

Toko (now Murata Manufacturing)
He has held important positions at ROHM, NVIDIA, and EDGEMATRIX, and has led sales departments and formulated sales strategies for large corporations and local governments.



Hajime Shirai
Director CFO

PwC and Frontier Management, and is a manager in the IPO division of Deloitte and a certified public accountant.



Minoru Moriya
Director

After working at Misumi, he participated in the founding of companies such as Raksul. He has served as a fellow at Hakuhodo and JAXA, and as a member of the Cabinet Office's expert committee.



Hikaru Sasaki
Director (Full-time Audit & Supervisory Committee Member)

Worked at Deloitte Tohmatsu in auditing and M&A. After being independent, he provided financial support and accounting consulting, and supported the establishment of financial statements and management systems for companies preparing for IPO.



Hiroshi Abe
Director (Audit & Supervisory Committee Member)

Worked at Deloitte Tohmatsu, where he provided support for ventures and helped build management systems. He then established a tax accounting firm and became its representative partner. Certified Public Accountant/Tax Accountant



Fumiaki Kawazoe
Director (Audit & Supervisory Committee Member)

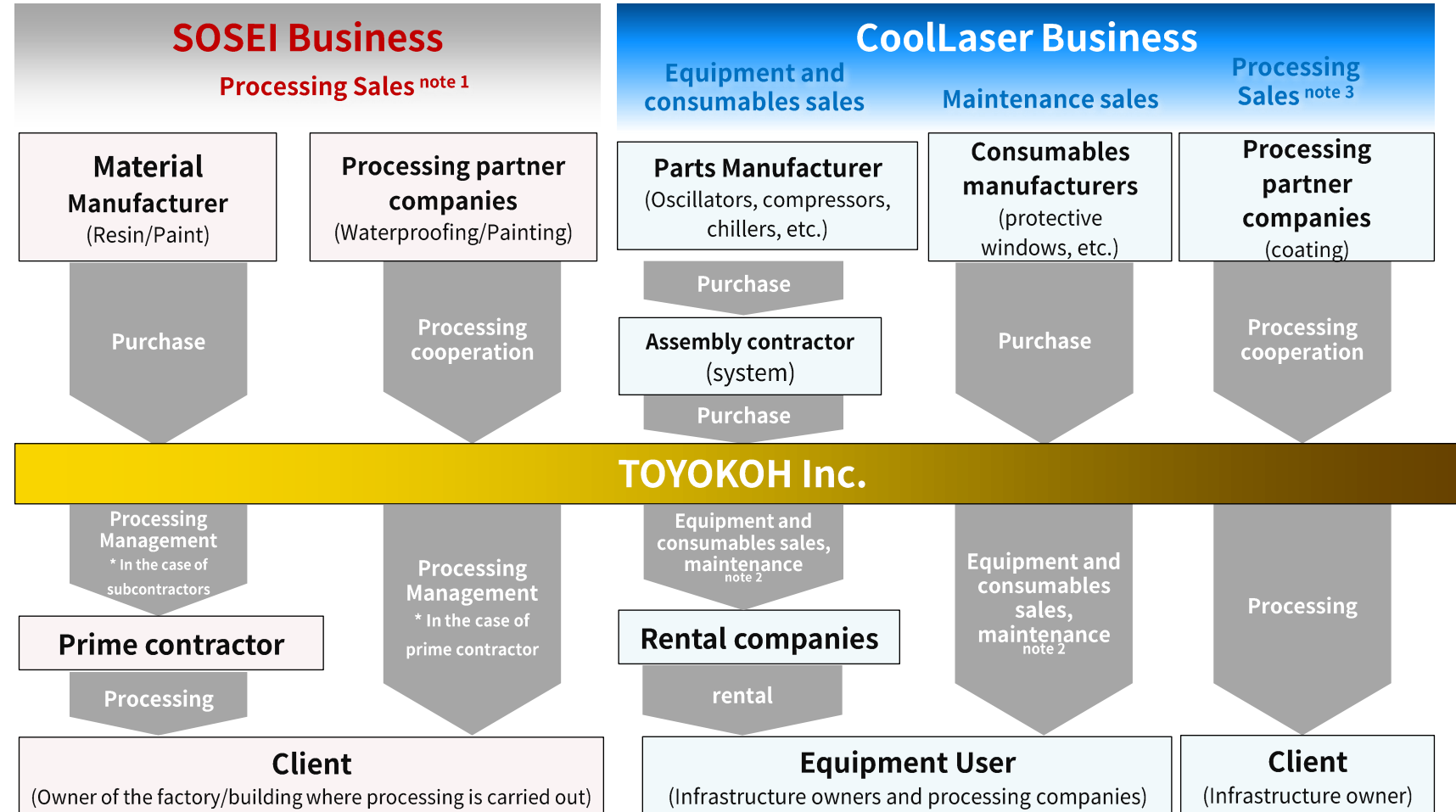
Experienced corporate and tax law at Anderson Mori. Obtained LLM in international tax law from Leiden University in the Netherlands. Representative lawyer at law firm Y Cube.

Note: When our company borrowed funds from Mizuho Bank, Ltd. in November 2024 to establish a mass production system, as a deep tech venture company certified by the Ministry of Economy, Trade and Industry for its business activity plan for utilizing innovative technological research results, we were selected for the debt guarantee system for facilitating business utilizing innovative technological research results, in which the Small and Medium Enterprise Agency will guarantee 50% of the loan amount.

Two unique technologies developed for the maintenance infrastructure industry

SOSEI uses a processing method in which a special three-layer resin is sprayed onto aging roofs. Our company is responsible for receiving orders, managing the processing and providing services to customers with support from partner companies.

As an equipment manufacturer, CoolLaser sells and rents equipment, and as the number of units increases, it sells consumables and provides maintenance and repair services as ongoing revenue.



Note 1 : Processing sales for the SOSEI business are mainly received through prime contractors.

Note 2 : Maintenance services for the CoolLaser business will be provided in the future.

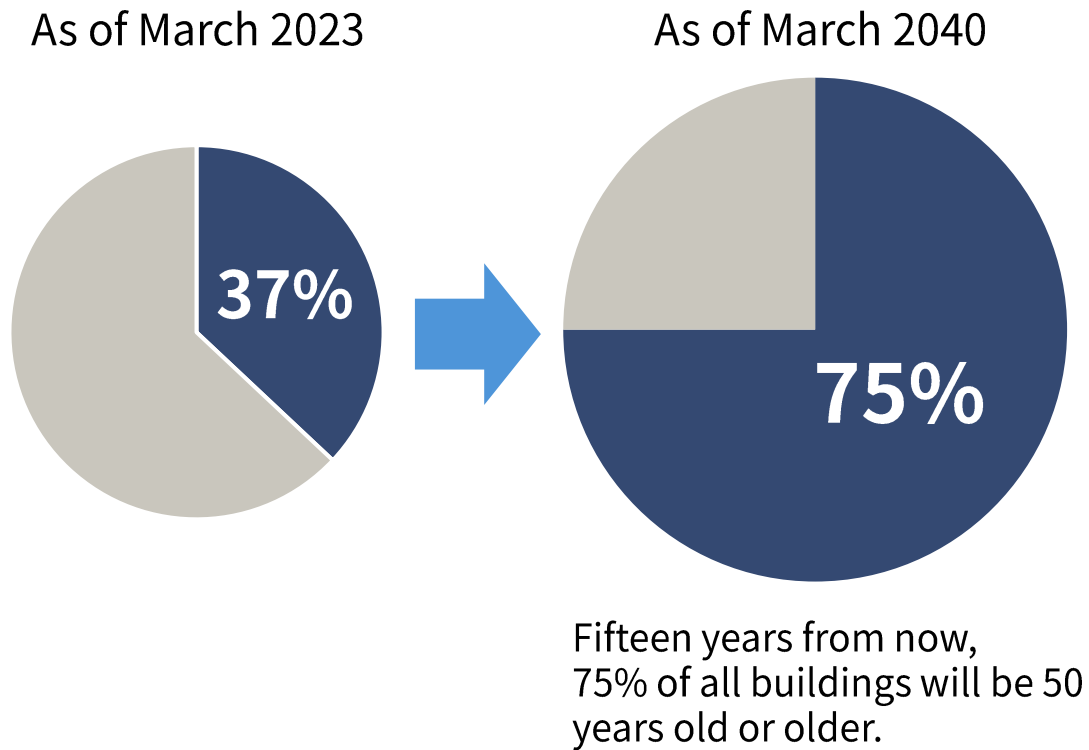
Note 3 : Installation sales for the CoolLaser business are mainly from test installations to confirm the performance of the equipment.

3: Business Overview and Growth Strategy (CoolLaser)

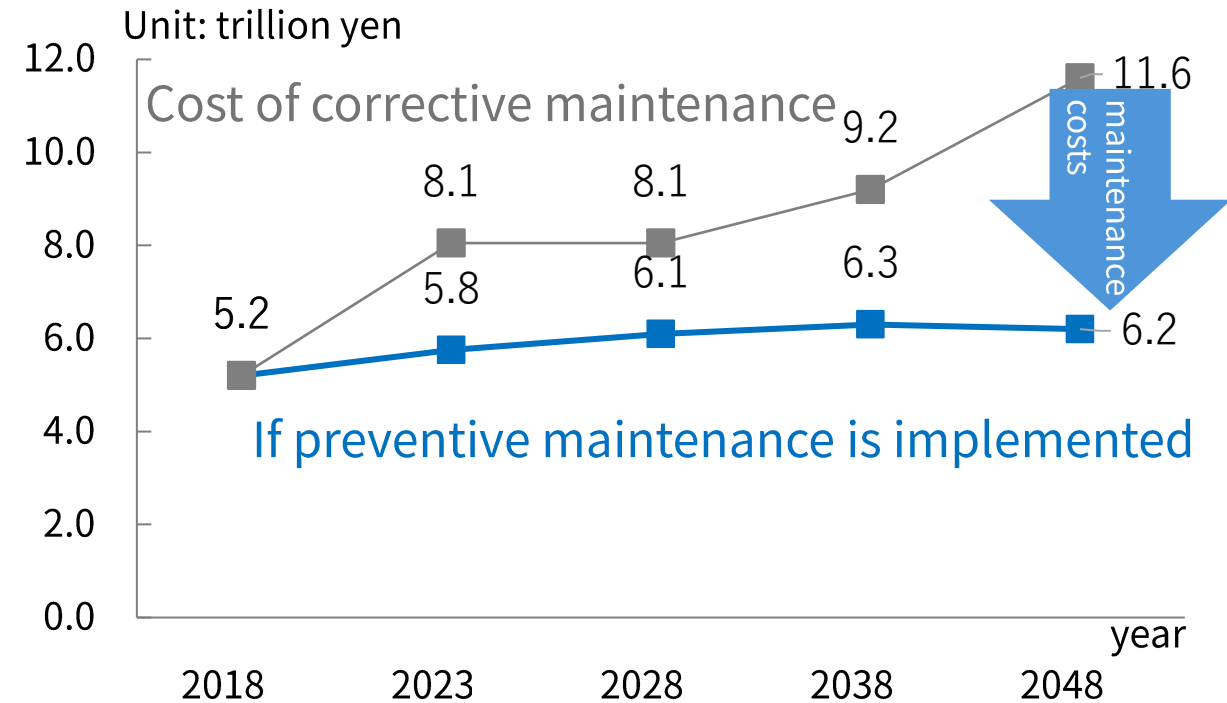


The aging of social infrastructure and preventive maintenance work are likely to increase in the future in an accelerating manner.

Percentage of road bridges that were built more than 50 years ago ^{Note1}



Estimates of future infrastructure maintenance and renewal costs ^{Note2}



The need for CoolLasers, which are used for preventive maintenance, is expected to continue to increase in the future.

Note 1: Ministry of Land, Infrastructure, Transport and Tourism, "Current Status and Future of Aging Social Capital (as of July 16, 2025)"

Note 2: Calculated from "Estimates of future maintenance and renewal costs for social capital in areas under the jurisdiction of the Ministry of Land, Infrastructure, Transport and Tourism (November 30, 2018)" based on the difference in maintenance costs for corrective maintenance and preventive maintenance 20 years from now (FY2038).

Laser technology produces no industrial waste^{Note}

and can even remove the salt that causes rust to recur.

CoolLaser is the world's highest-class power laser, and can quickly and cleanly remove rust from complex shapes such as bolts, which was previously difficult to remove.

[Click here](#) to watch the CoolLaser introduction video.

*YouTube will open



Technology 2024/07/18
Safeguarding Infrastructure With New Technology (4'47")

YouTube

Source : Japan Video Topics

“Technology to protect infrastructure”

URL : <https://web-japan.org/jvt/>

Note: Tomomi Kibata and Yasutaka Sasaki (2016) " Effect of reducing industrial waste containing harmful substances such as lead and PCBs using the Circulation Eco Clean Blasting Method " According to page 2 in <https://www.cbr.mlit.go.jp/kikaku/2016kannai/pdf/in05.pdf>, blasting requires 40kg/ m2 of abrasive material to remove 1kg/ m2 of paint from 1m2 . The amount of CO2 emissions required to transport industrial waste to the landfill site is 1kg/ m2 for CoolLaser ÷ 41kg/ m2 for blasting = 2.4% , a 98% reduction compared to blasting.



Before



After



Before

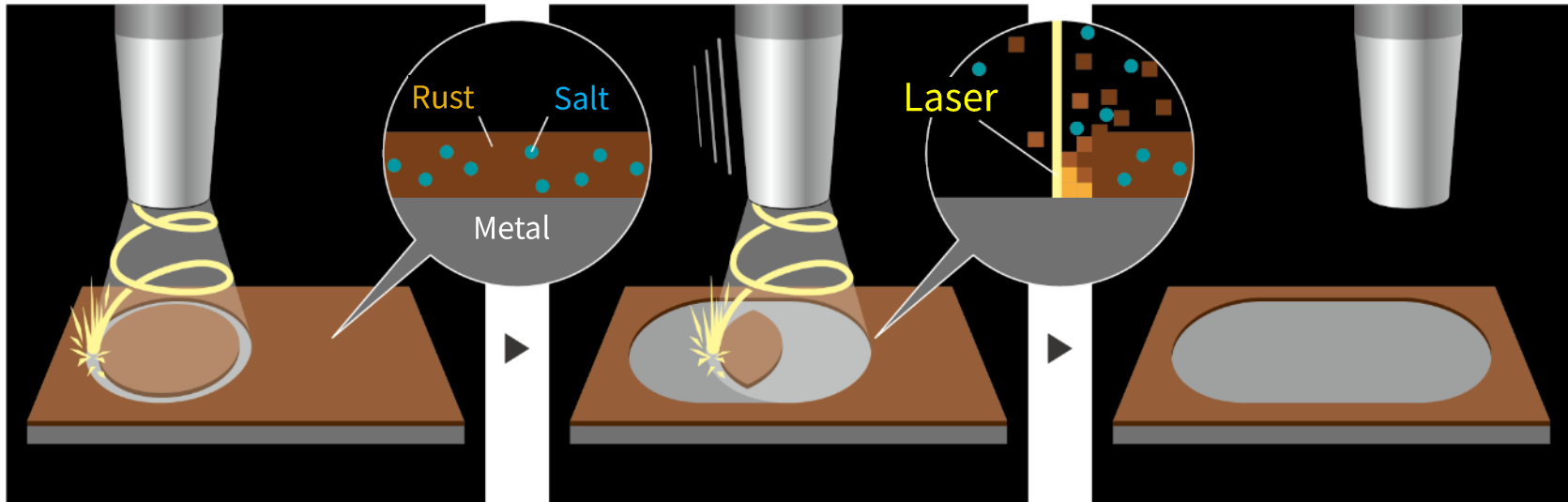


After

CoolLaser has been granted the IP right in Japan and the US.
This product stands out in the market by specializing in outdoor processing.

Patented technology with ultra-high speed circular irradiation

● Patent No. 5574354
🇺🇸 US-9868179
🇪🇺 EP2823929



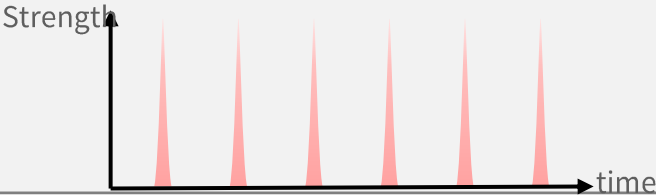
CoolLaser is a revolutionary technology that uses laser light to remove paint, rust, and harmful substances from the surface of steel by melting, evaporating, and thermally crushing them, while minimizing the thermal impact on the steel itself by using ultra-high-speed circular rotation scan.

Intellectual Property Rights Status

As at the end of July 2026

Unit: item	Domestic	Abroad
Already acquired	22	10
Pending	9	8
total	31	18

Differences from general laser cleaning equipment created by unique patented technology.

	General laser cleaning equipment	Coolaser®
Thermal effects and processing speed	The thermal impact is small, but the processing speed is slow.	Although the thermal impact is large, this is resolved using proprietary patented technology, and processing is fast.
Examples of use	Cleaning of <u>thin metal sheets, molds, important parts.</u> Cleaning of <u>cultural heritage such as sculptures and stone buildings.</u>	Removal of rust and old paint from the surfaces of <u>social infrastructure steel structures such as bridges and steel towers and ships and railway vehicles</u> , removal of radioactive and other harmful substances, etc.
Illustration of laser oscillation	* Uses Pulsed Laser 	* Uses CW (continuous wave) 
Features	• Low average power output • Linear Scan Method	• High average power output • Circular Scan Method
Advantages	• Small thermal effect	• High output is possible and processing speed is fast • Can remove thick paint films and rust • Oscillators are inexpensive • Long-distance transmission possible, enabling processing for a wide range area. • The circular scanning method is less likely to result in missing teeth when working handheld.
Disadvantages	• Difficult to achieve high output (maximum 1kW) • processing speed is slow, and thick coating and rust are difficult to remove. • Oscillators are expensive • Long-distance transmission is difficult, making the range of processing limited. • The linear scanning method is prone to missing teeth when working by hand.	• CW method has a large thermal effect, but our proprietary patented technology solves this problem.

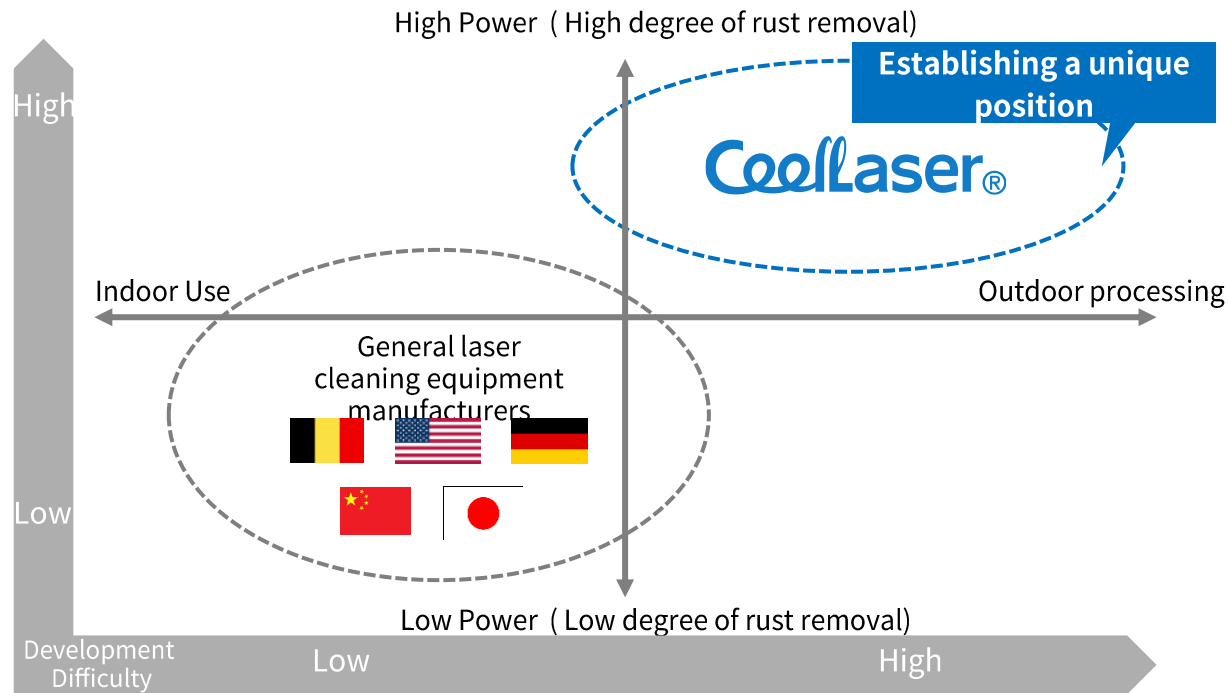
CoolLaser Product Positioning

CoolLaser has established a unique position in terms of high output and outdoor use.

Both high output (vertical axis direction) and outdoor use (horizontal axis direction) entail various development difficulties.

Current Position Map ^{Note 1}

Note 1 : Based on our own analysis and consideration of the websites and catalogs of manufacturers where commercially available products have been confirmed.



Multi-layered difficulty in imitation

- A track record as a front-runner.
- ✓ Development began in 2008, and since its global TV broadcast in 2018, there have been over 150 on-site achievements.
- ✓ The company holds a construction industry license. It has introduced prototypes to identify issues and reflected them in development.
- ✓ The optimal parameters for efficiently and cleanly removing rust have been discovered from tens of thousands of options.
- ✓ The patented circular rotating irradiation technology achieves both high output and handiness.
- ✓ Society of Laser Processing for Transportable System is working on standardization for social implementation and reflecting this in development. International standardization is also in sight in the future.
- Securing resources and excellent engineers by utilizing startup activities.
- ✓ Raising awareness and securing funds through startup activities.
- ✓ Engineers gathered from top manufacturers in Japan, a major power in optics.
- ✓ Based in Hamamatsu, the city of light, manufacturing with collaborative partners with high technical capabilities.
- ✓ Achieved capital procurement from major infrastructure owners and general contractors.
- ✓ Established a strong group of shareholder companies to promote the spread of CoolLaser,

CoolLaser solves various customer needs and on-site pain points

Major construction equipment rental company

Machine sales

Installs multiple units and rent them to construction companies



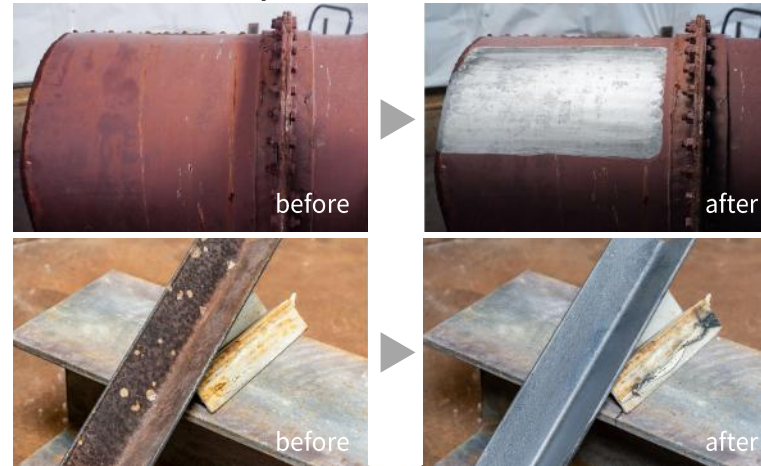
A major construction equipment rental company in the industry has a corporate culture that is proactive in adopting innovative new technologies, and has installed multiple CoolLasers.

The construction equipment rental market is expected to grow in the future, driven by the trend of the sharing economy.

Major electric power group company

Machine sales

Applied to hydroelectric power generation facilities and power transmission towers

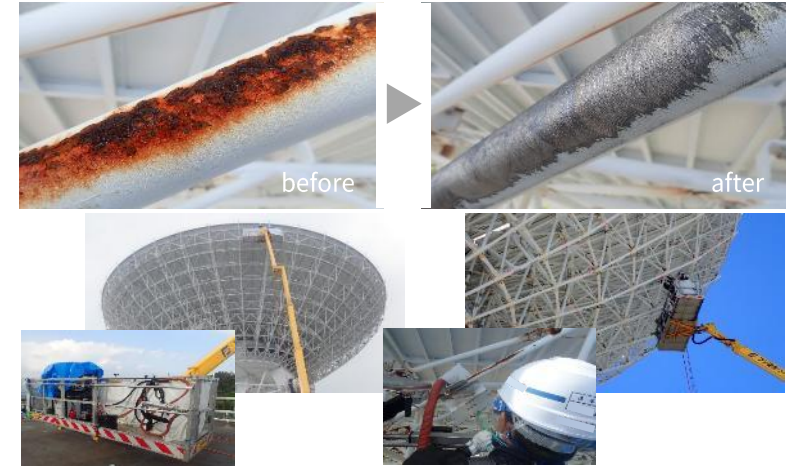


By improving the quality of processing work in the maintenance of hydroelectric power generation equipment and transmission line towers, the company hopes to prevent the recurrence of rust and reduce the life cycle costs of infrastructure. In a society with a declining population, the introduction of new technologies will help secure workers to cope with the declining number of workers.

Major space development organizations

Processing sales

Applied to communication towers where rust could not be removed



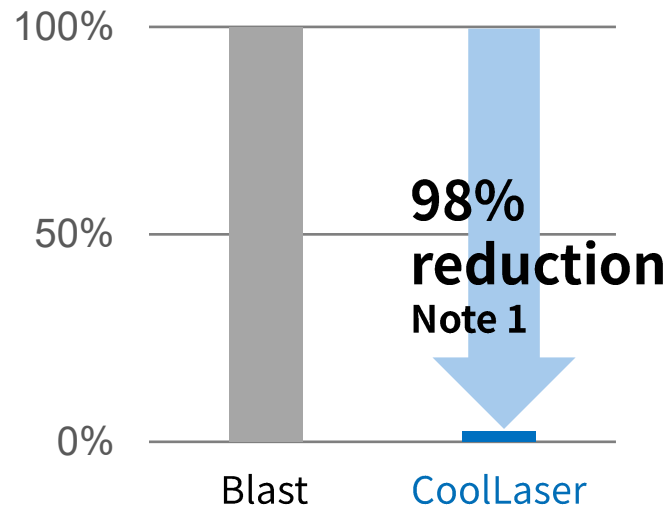
40m-tall parabolic antenna is constantly in motion, temporary scaffolding could not be set up, and the thick rust that is typical of coastal areas could not be removed. CoolLaser does not use abrasives, so no dust is scattered, allowing work to be done without scaffolding, reducing processing time and costs. This type of need for partial repainting exists in many places.

CoolLaser is more environmentally and worker-friendly than existing methods, and reduces waste costs and LCC.

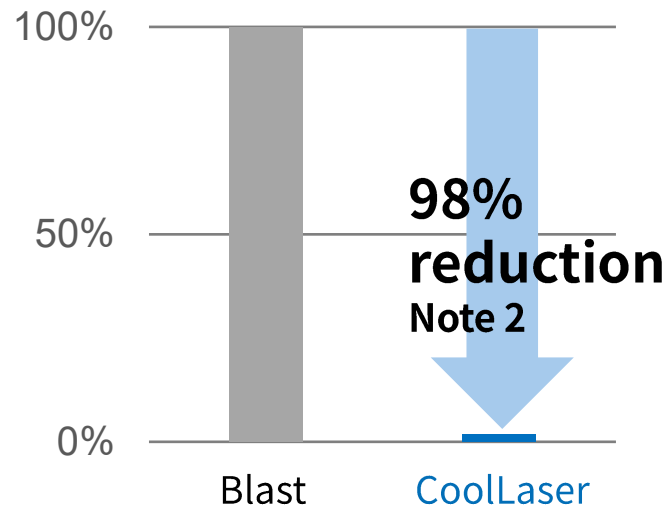
CoolLaser changes the 3Ds (Dirty, Dangerous and Demeaning) in the workplace to 3Cs (Cool, Clean and Creative) , contributing to the well-being of workers.

Removing salt prevents the recurrence of rust and reduces life cycle costs, contributing to the maintenance and management of infrastructure within limited budgets.

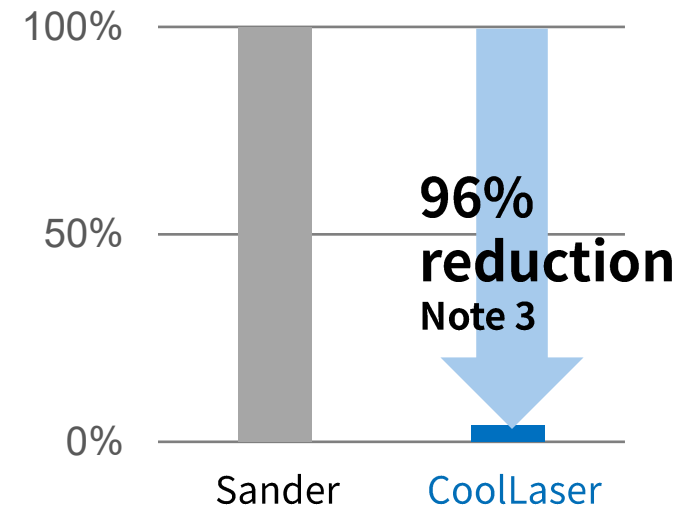
Industrial waste disposal costs and CO2 emissions



Removal of salt that can cause rust to reoccur



Reduction of lead, PCBs, etc., which are harmful to workers



Note 1: 40kg/m^2 of abrasive material used to remove paint using the sand blasting method $\div$ $(1\text{kg/m}^2$ of paint + 40kg/m^2 of abrasive material) = 98% reduction. Source: Tomomi Kibata and Yasutaka Sasaki (2016) "Effect of reducing industrial waste containing harmful substances such as lead and PCBs using the circulating eco-clean blasting method"

Note 2: 1-Laser hybrid (CoolLaser + cup wire) method $0.6\text{mg/m}^2 \div$ Sand blasting method 35.4mg/m^2 = 98% reduction. Source: Civil Engineering New Technology Showcase 2023 in Tokyo (Date: 2023/09/27 Organized by: Public Works Research Institute) "Substrate preparation technology using laser surface treatment technology"

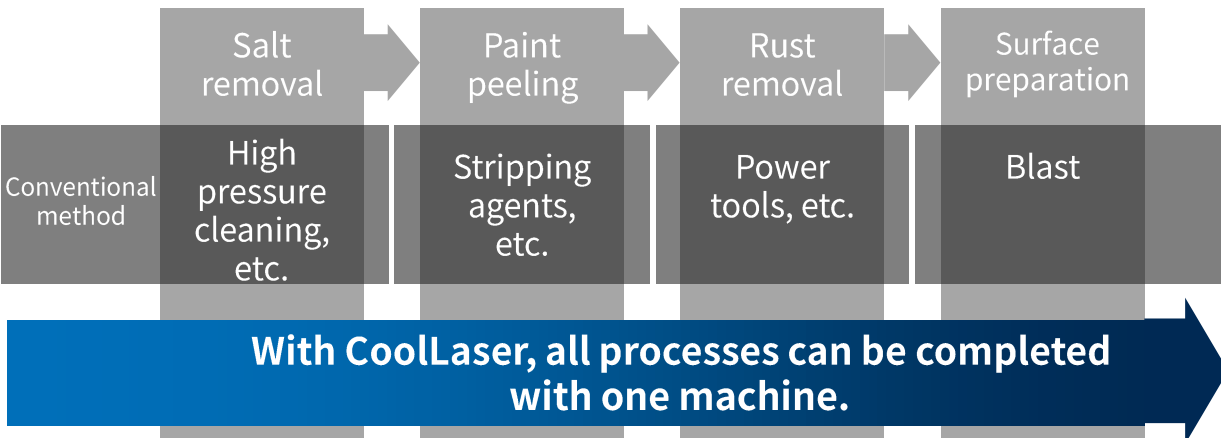
Note 3: $1\text{-CoolLaser } 2.4\text{mg/m}^3 \div$ Lead concentration when using power tools (diamond tools) 61mg/m^3 = 96% reduction. Source: Environmental Management Center Co., Ltd. "Work environment measurement during paint removal work (2024/3/25)"

CoolLaser can handle all processes in one go and reduce costs.

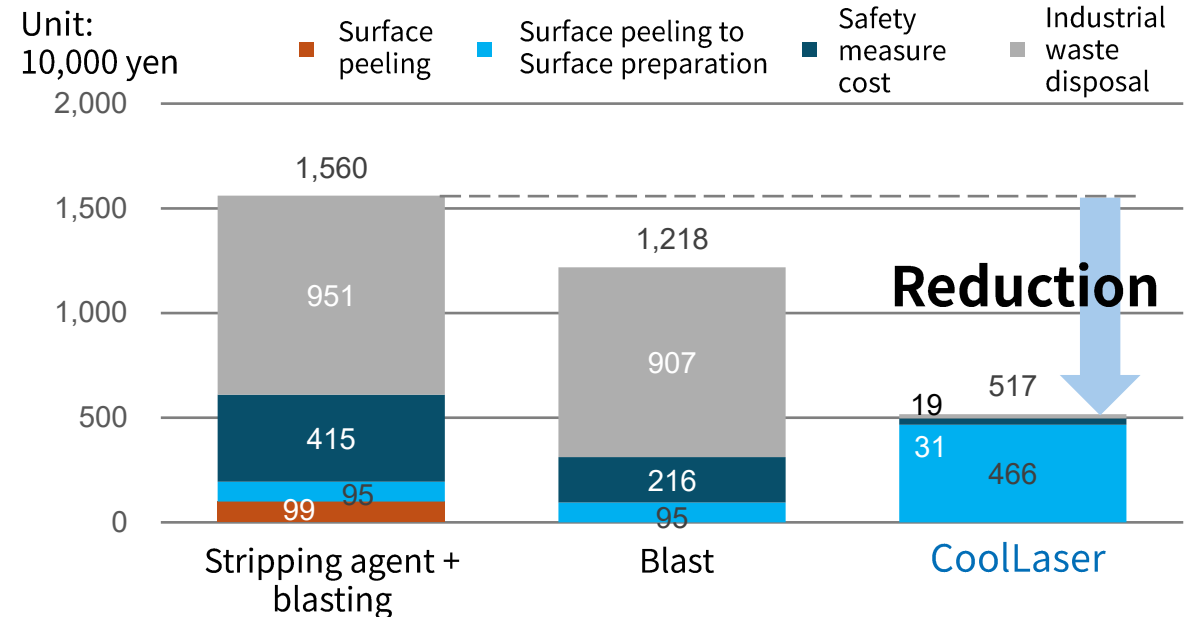
Conventionally, surface preparation required changing equipment for each process, but with CoolLaser, the entire process can be done in one go.

It also reduces costs such as industrial waste disposal fees, and taking into account other advantages, there are great benefits for all three parties: the client, the workers, and the users.

Substrate preparation process



Cost comparison by processing method ^{Note 1}



Note 1 : Source: In-house calculations assuming girder end (treatment area : 73 m²), old paint film : 300 μm (containing PCBs). Assumes that crushed slag and garnet (non-metallic abrasive) will be used as the abrasive for blasting.

The infrastructure maintenance market that CoolLaser targets is vast and numerous.

With iron and oxygen, any structure will corrode through rust.

There are a wide range of maintenance needs for outdoor structures, and our company focuses on the following areas:



● Domestic numbers

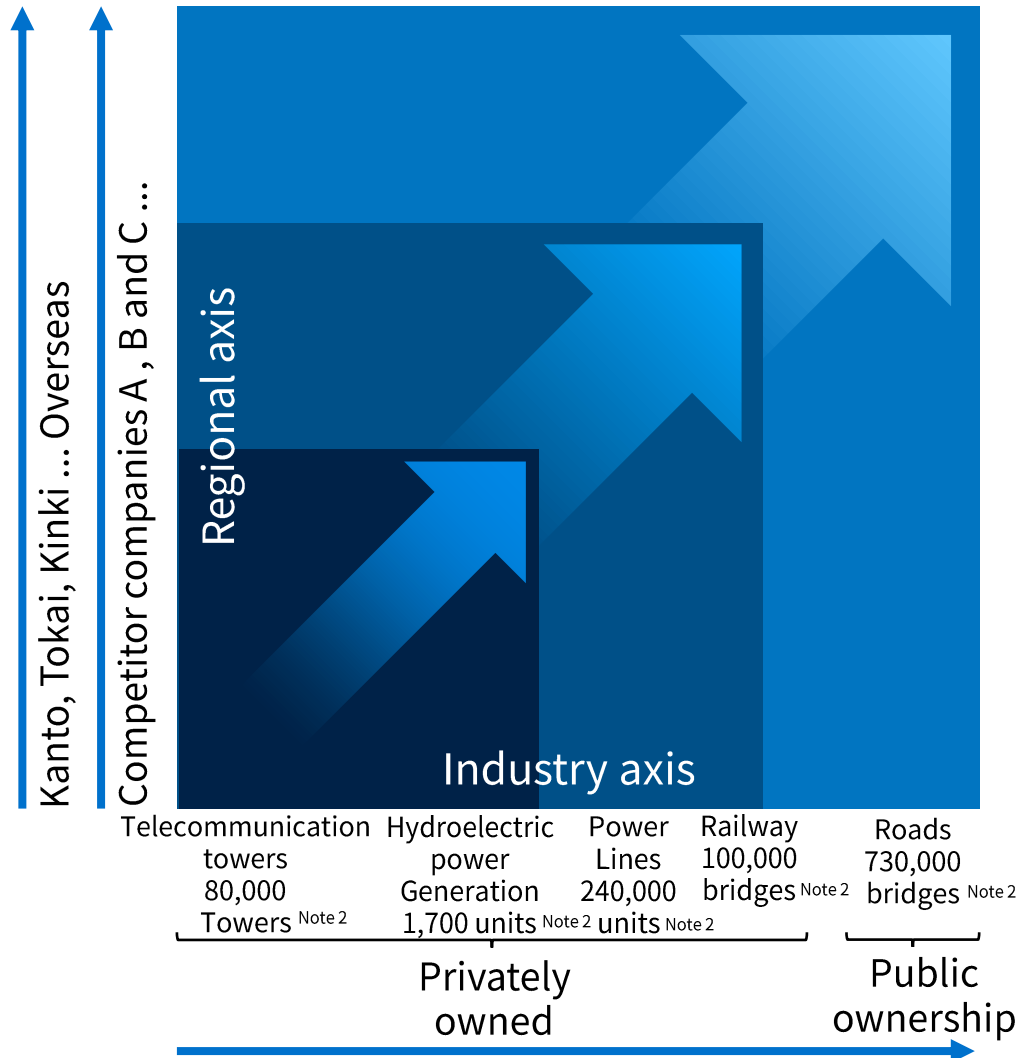
○ Markets where BLAST is used

Note: Global blasting sales market size 8.7 Billion USD (a) × 145 yen/USD (2024/9/27 TTM Mitsubishi UFJ Research & Consulting) × 6.4% (b) = Domestic blasting sales market size 80 billion yen
 (a) Maximize Market Research Global shot blasting machine market (2023) (b) Kobunsha "Takayoshi Sato's Overseas Construction Market Series (3) - Market Size Edition (2015)" Japanese construction market size 257.6 billion USD ÷ Global construction market size 4 trillion USD The market size is a figure calculated by our company using the above calculation method based on public information or data created by a third party, etc. There are limitations to the accuracy of statistical surveys and data created by a third party, and it is an estimated value calculated based on certain assumptions or assumptions by our company, so it may differ significantly from the actual market size.
 Sources: Roads = Ministry of Land, Infrastructure, Transport and Tourism "Road Statistics Survey (March 2022)", Railways = Ministry of Land, Infrastructure, Transport and Tourism "Railway Statistics Annual Report (FY2021)", Communications = JTOWER Business Plan (May 2024), Power Transmission = Ministry of Economy, Trade and Industry "Current Status of Technical Standards for Steel Towers and Utility Poles (November 2019)", Maritime = Japan Federation of Coastal Shipping Associations Maritime Statistics Handbook (2019), Docks = Ministry of Land, Infrastructure, Transport and Tourism Ports and Harbors Bureau (April 2023), Plants = Agency for Natural Resources and Energy "Electricity Survey and Statistics (2019)", Storage = Agency for Natural Resources and Energy "Petroleum Facilities Survey (March 2020)"

CoolLaser future growth strategies

We have built up specifications and a track record for laser processing for each industry, and are expanding to other regions, other companies in the same industry, and overseas. Since infrastructure maintenance is a wide-ranging business with a huge number of cases both domestically and internationally, we are not limited to our own use, but as an equipment manufacturer, we will contribute to the maintenance of social infrastructure widely together with our users.

Sales expansion image



Examples of industry-based development measures

- ✓ Obtaining technical review certification for expressway companies
- ✓ Railway handbook specifications based on demonstration of long life in the railway field
- ✓ Establishment of transmission line tower processing method by major electric power core processing company

Examples of regional development measures

- ✓ Collaboration with sales partners (leasing companies, agencies)
- ✓ Nationwide equipment deployment by construction equipment rental companies
- ✓ Sales expansion through exhibitions

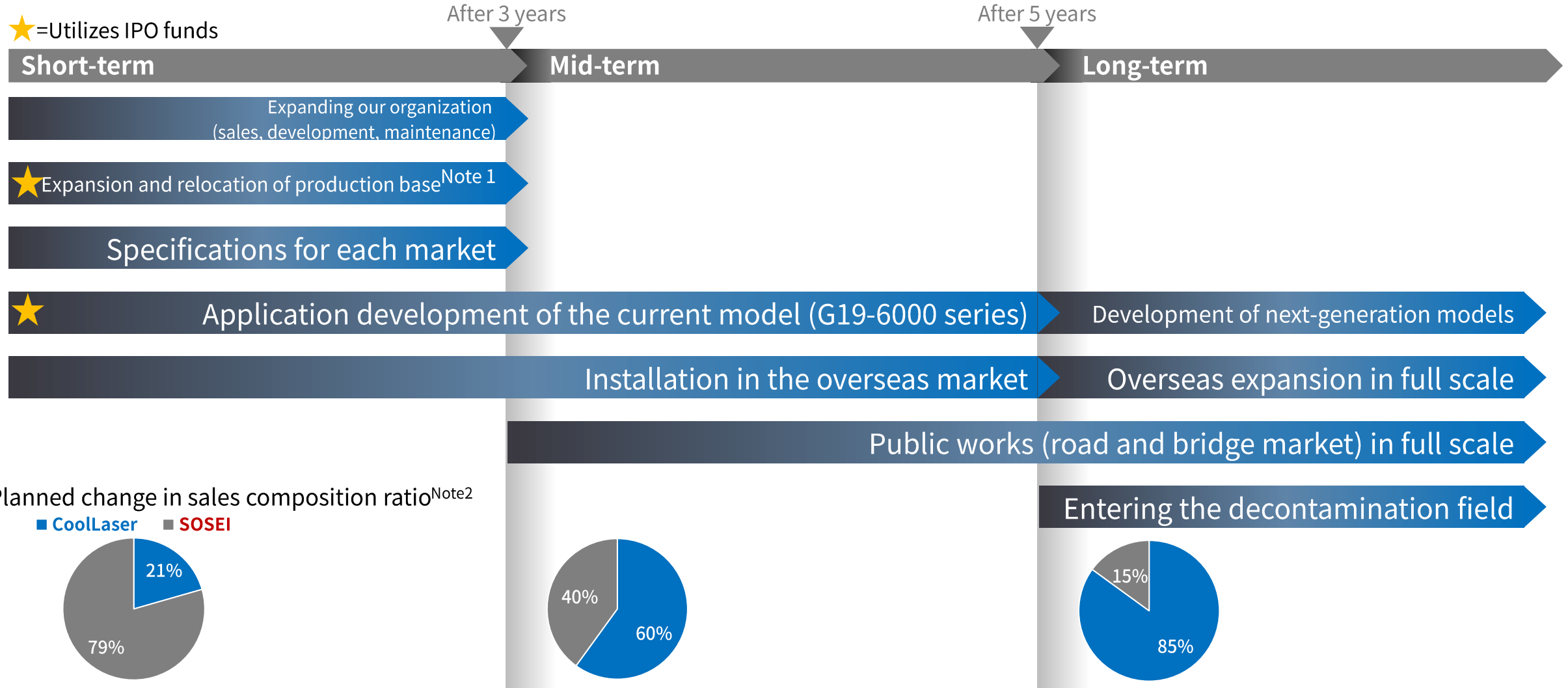
Post-IPO growth strategy

- ✓ Utilizing raised funds to expand sales structure and increase leads
- ✓ Use the funds raised to conduct overseas PoCs (e.g., US state transportation departments, national oil majors, etc.)
- ✓ IPO and increased trust in the company, leading to higher order rates

Note 1 : The above table is merely an image of the CoolLaser development that we currently envision, and does not represent any specific plans or forecasts, nor does it guarantee their achievement.

Note 2 : The figures shown are for the domestic market. See page 17 for the source. Hydroelectric power generation : Agency for Natural Resources and Energy "Electricity Survey Statistics (2019)"

CoolLaser will grow its production and sales system, expanding its sales channels overseas, and contribute to solving a wide range of social issues by being adopted in public works projects.



Note 1: The land and building for the relocation site have already been acquired, and the relocation work is underway.

Note 2: The above table is merely a future plan and does not guarantee its achievement. The plan may be revised or the implementation schedule may change in the future.

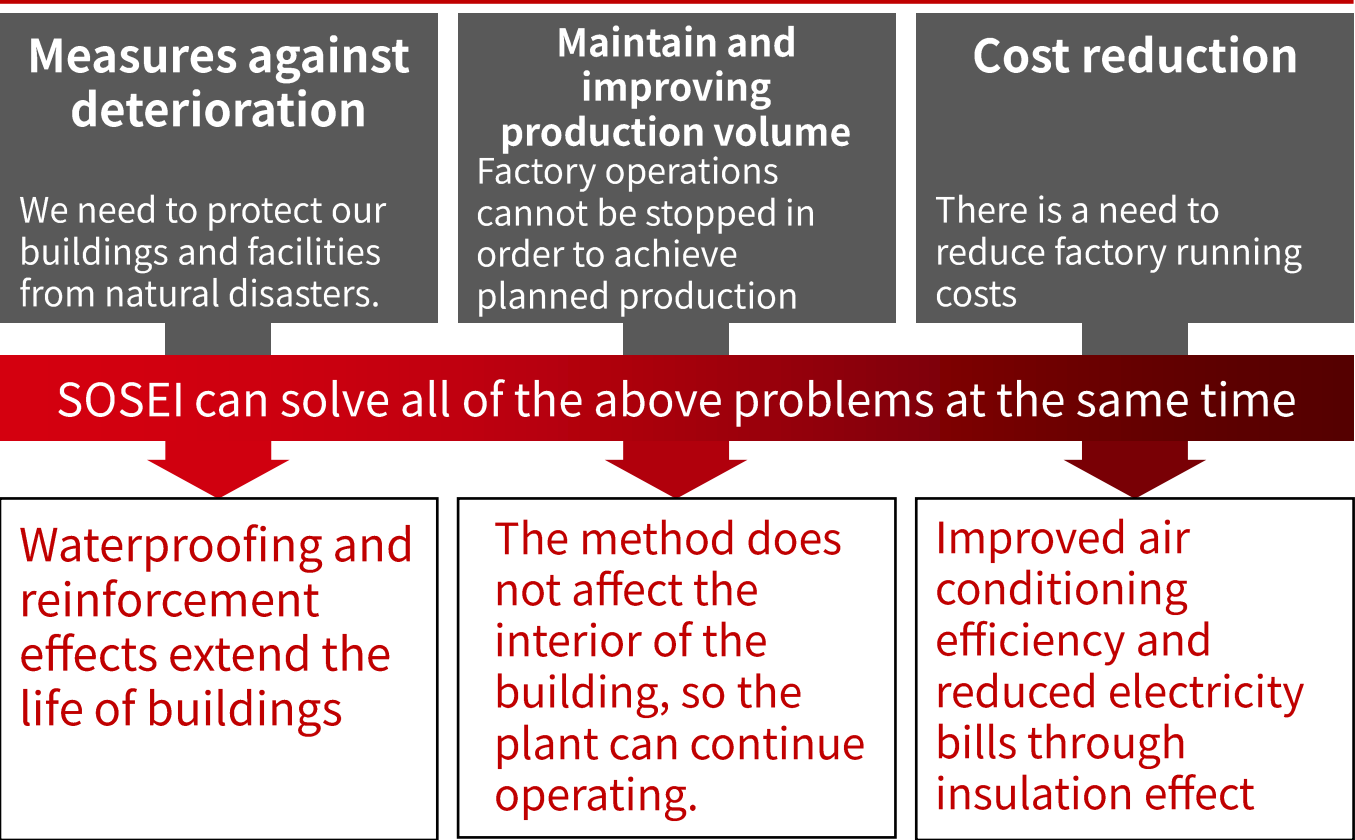
2 : Business Overview and Growth Strategy (SOSEI)



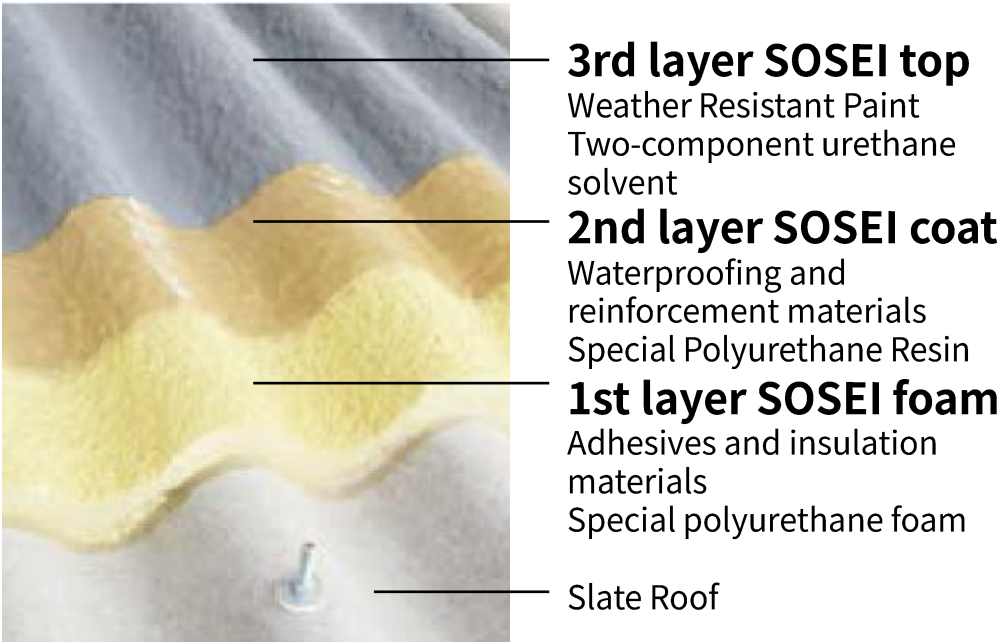
Our proprietary material, SOSEI, solves the problems of aging factories and warehouses and saves energy.

SOSEI protects factory and warehouse equipment and products from various natural disasters, and improves the efficiency of air conditioning inside buildings with the thermos effect ^{Note1} of the roof. It contributes to a significant reduction in electricity bills and CO2 emissions, and obtained patent for construction method that balances construction quality and worker safety ^{Note2}

Concerns of clients (manufacturing and logistics industries)



Jointly developed a special three-layer resin with a major chemical manufacturer and signed an exclusive procurement contract



Note 1: The first insulating layer keeps the building cool in the summer, improving cooling efficiency, and in the winter, it keeps the building warm, improving heating efficiency.
 Note 2: Patent No. 7332142, 6815548

SOSEI contributes to climate change measures

Typhoon

Prevents cracking and scattering during high winds by preventing wind from entering slate joints and edges. Prevents damage to neighbors.

After the typhoon, the roof reinforced with SOSEI (left of the dotted line) was almost intact, while an unreinforced part was severely damaged (right of the dotted line).

Earthquake

The lightweight roof load of 2.3 to 2.5 kg/m² does not place a burden on the building structure and reduces the cost of reinforcement when performing earthquake-resistant construction. It also reduces the risk of roof and ceiling materials falling into the building.

Survey results immediately after the Great East Japan Earthquake. It was found that roofs reinforced with the SOSEI construction method had escaped damage.

Sudden rain

Seamless slate overlap and seamless processing around hook bolts prevents water leakage.

Extremely dangerous conditions that could cause landslides and flooding

Japan is becoming subtropical due to global warming, and it has been hit by guerrilla downpours every year. The figure shows an iso-rainfall map of the Chugoku and Shikoku regions when a heavy rainfall warning is given.

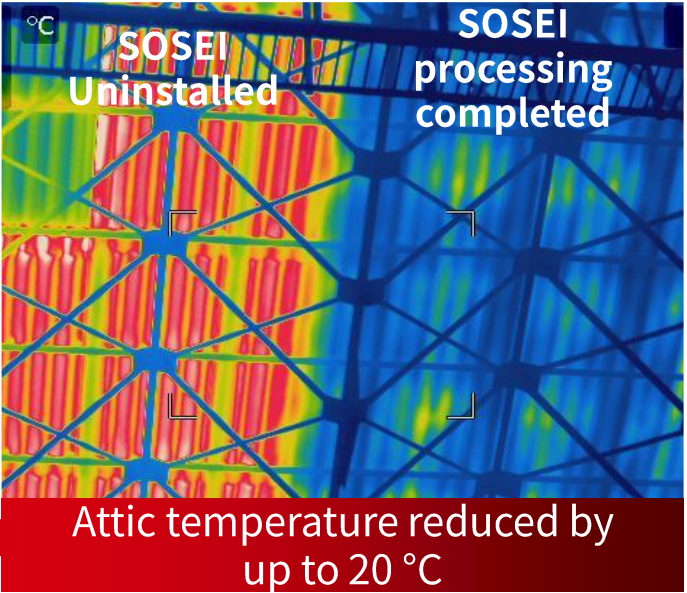
Temperature rise

Improved insulation suppresses the increase of attic room temperature even in the hottest days of the year.

Actual data of the roof taken with a thermographic camera. The right half of the roof is SOSEI installed and the left half is the roof is the unprocessed slate. The insulation effect is obvious.

Note: These are actual implementation cases and do not guarantee effectiveness.

Energy saving effect during heating and cooling season



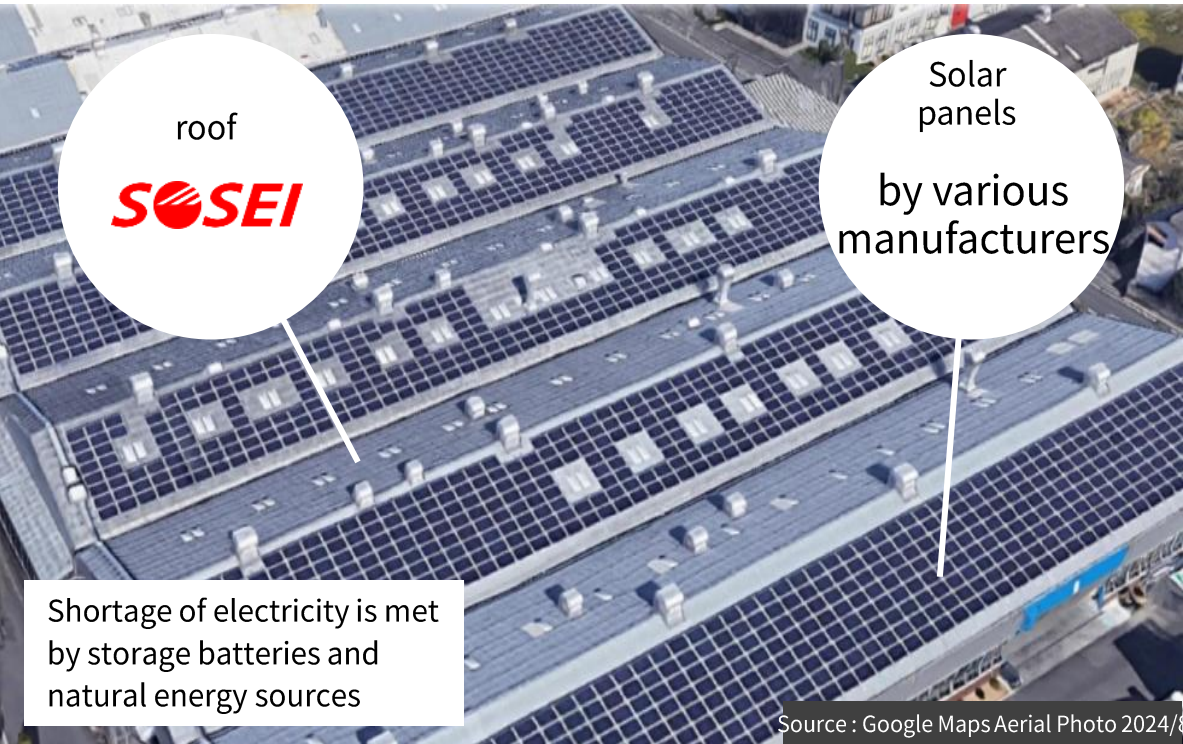
Annual electricity bill **34% reduction**
 Annual CO2 emissions **112t reduction**

SOSEI was installed in a model building (L48m x W20m x H5m), the difference in heat loss before and after installation was calculated, and the average outdoor temperature, indoor temperature, and operating hours during the heating and cooling season throughout the year were set, and the energy saving effect was quantified from the difference in thermal load.

Even with a weak slate roof It is possible to install solar panels (patent pending).

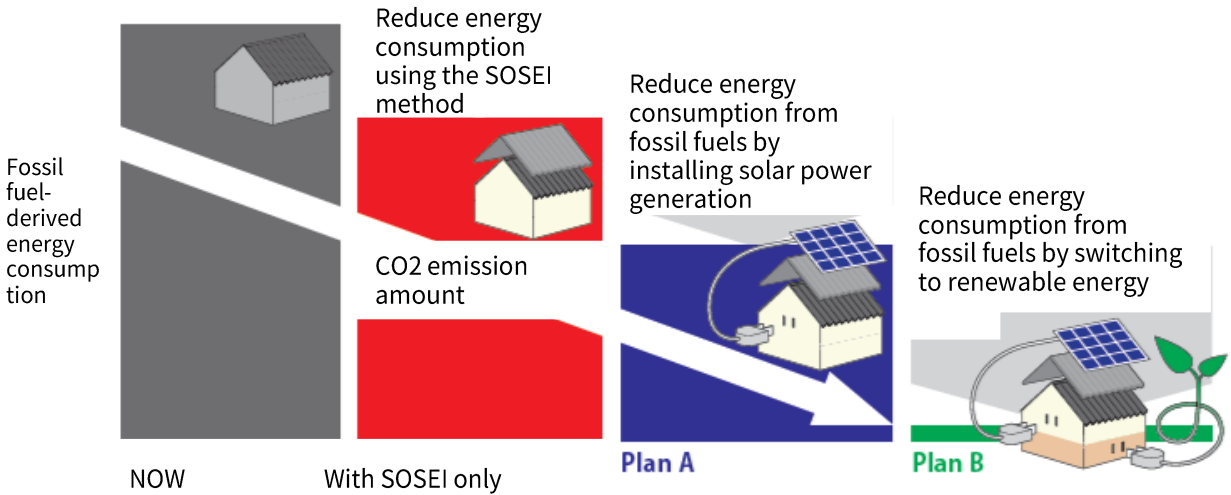
SOSEI can reinforce slate roofs that were deemed too weak to support the installation of solar panels.
It makes it possible to install solar panels will also contribute to achieving zero carbon in factories and warehouses.

SOSEI + Solar panel installation example (Chugoku region
10,000 m2)



Energy saving Energy Creation Renewable Energy
SOSEI + Solar power generation + Renewable energy switching

By repairing, reinforcing and insulating deteriorated slate roofs with SOSEI, installing solar panels on the reinforced roof surface, generating electricity and switching over the energy that cannot be met to renewable energy sources, you can contribute to zero carbonization.

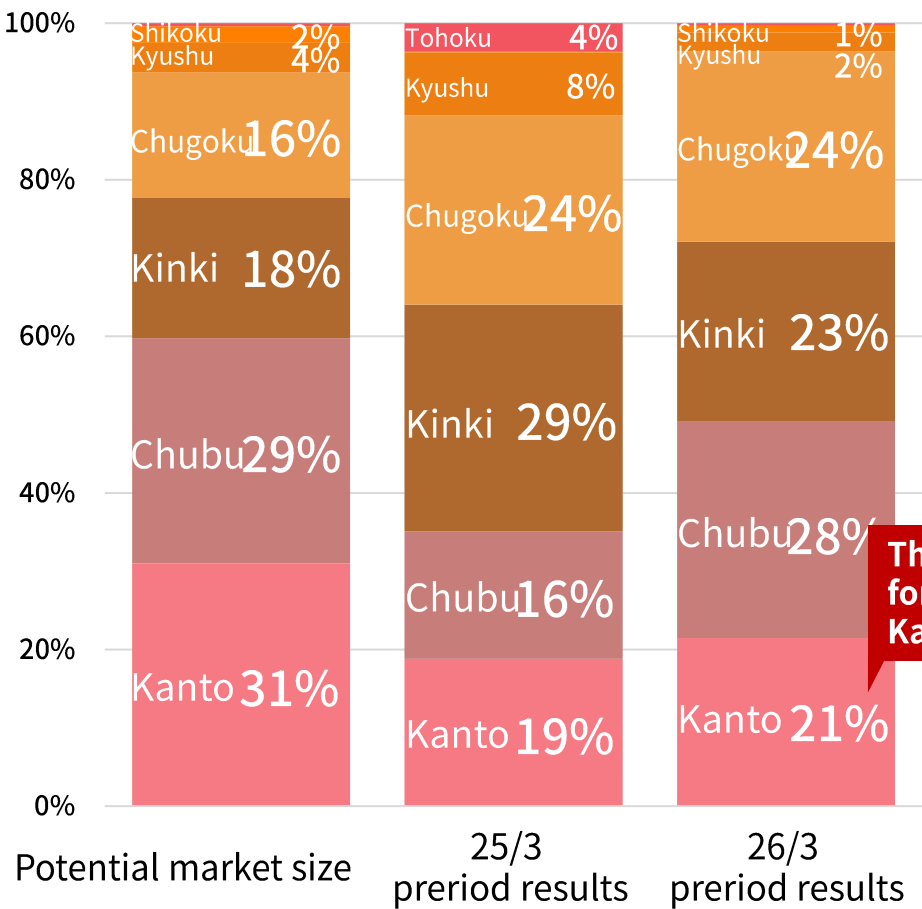


Note : An illustration of the amount of energy used and CO2 emissions

SOSEI 's potential market size is large.

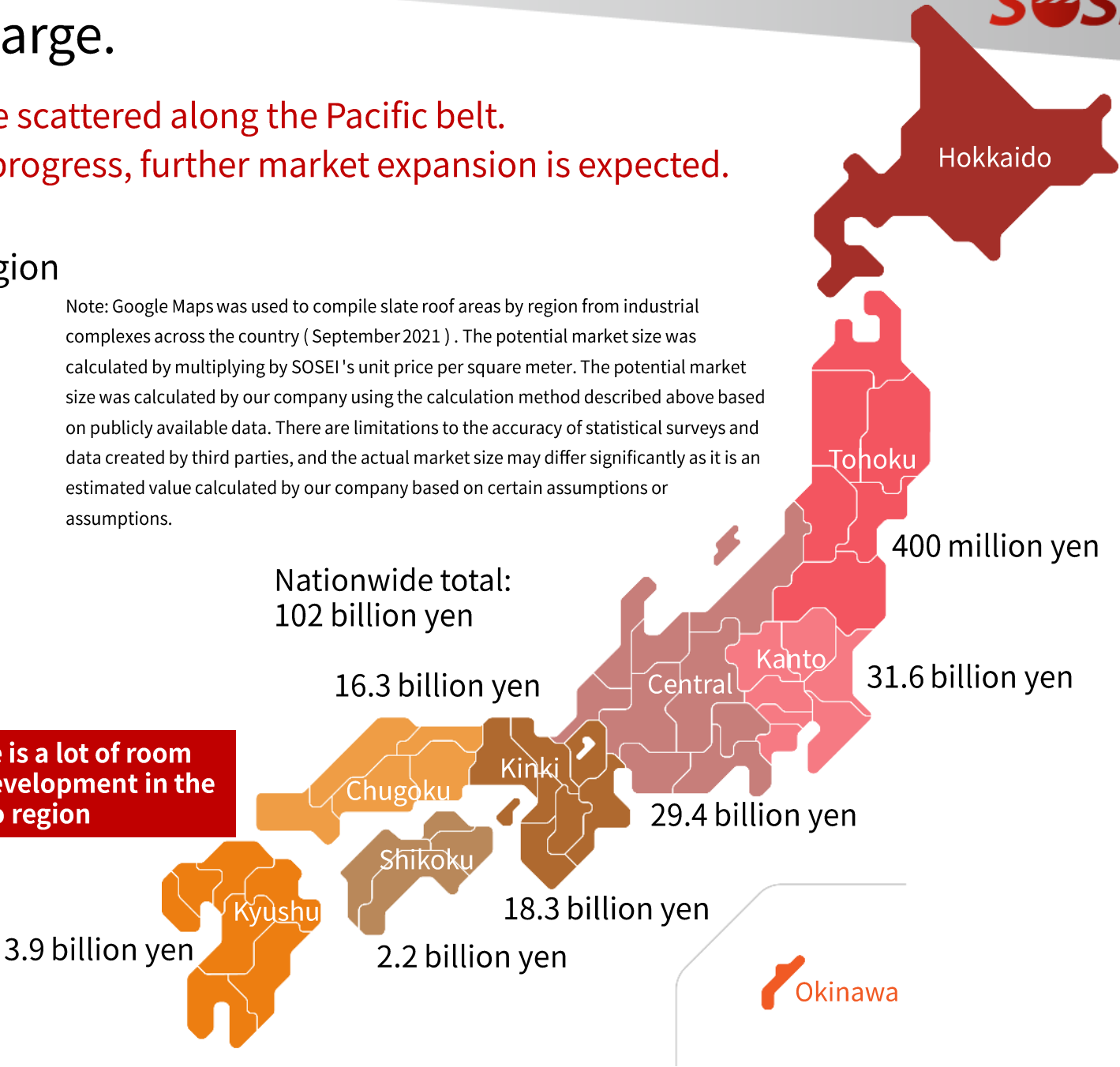
SOSEI 's main target factories and warehouses are scattered along the Pacific belt.
 As collaboration between SOSEI and solar panel progress, further market expansion is expected.

Potential market size and our actual results by region

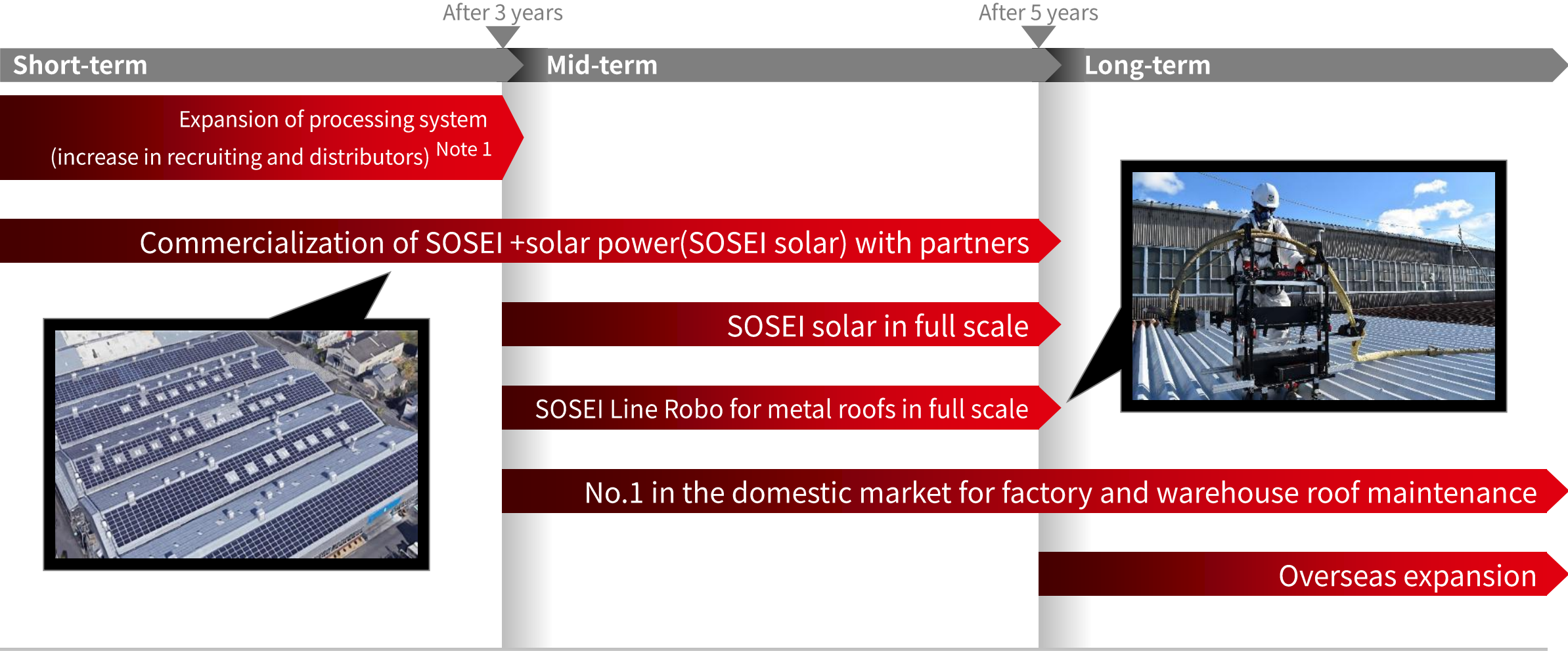


Note: Google Maps was used to compile slate roof areas by region from industrial complexes across the country (September 2021). The potential market size was calculated by multiplying by SOSEI 's unit price per square meter. The potential market size was calculated by our company using the calculation method described above based on publicly available data. There are limitations to the accuracy of statistical surveys and data created by third parties, and the actual market size may differ significantly as it is an estimated value calculated by our company based on certain assumptions or assumptions.

There is a lot of room for development in the Kanto region



SOSEI is taking advantage of the current trend of decarbonization and energy saving, and is expanding overseas, aiming to become No. 1 in the domestic BtoB roof maintenance market.



Note 1: Agencies that operates sales and processing management
 Note 2: The above table is a future plan only and does not guarantee its achievement. The plan may be revised or the implementation schedule may be changed in the future

5 : APPENDIX



TOYOKOH's business aligns with many of the SDGs' targets.

Contributing to a sustainable society through "infrastructure maintenance"

TOYOKOH is transforming work sites from 3Ds (dirty, dangerous and demeaning) to 3Cs (cool, clean, and creative), contributing to securing workers for infrastructure maintenance work, which is declining due to the declining birthrate and aging population, and realizing a sustainable society.

7 AFFORDABLE AND CLEAN ENERGY



There are a huge number of factories and warehouses in Japan. By reinforcing old slate roofs with the SOSEI method and then installing solar panels, it is possible to generate clean energy using the vast roof area.

8 DECENT WORK AND ECONOMIC GROWTH



By transforming a 3Ds repainting construction site into a 3Cs one, it will be restored from a site that workers avoid to one where they find their work rewarding, and by making infrastructure sustainable, it will lead to economic growth.

9 INDUSTRY, INNOVATION AND INFRASTRUCTURE



SOSEI is a unique method of roof repair that utilizes painting technology, and CoolLaser is a unique method that utilizes laser technology in the construction field. Rather than competing for a piece of the existing market, they are working to create completely new markets and jobs by innovating on their own.

11 SUSTAINABLE CITIES AND COMMUNITIES



Our company works in the field of infrastructure maintenance, and by repairing aging social infrastructure and connecting it to the future, we contribute to creating a sustainable society where future generations can continue to live safely and securely.

12 RESPONSIBLE CONSUMPTION AND PRODUCTION



The first layer of SOSEI's three-layer structure is an insulating material that suppresses the rise in temperature in the attic of factories in summer, and is effective in reducing air conditioning costs and CO2 emissions. In addition, while blasting, which is the main existing rust removal method, emits a large amount of CO2 when abrasives are disposed of, CoolLaser does not produce industrial waste, so it also has the effect of reducing CO2 emissions.

17 PARTNERSHIPS FOR THE GOALS



Our company has set a collaborative strategy as its management policy, and is working to select partner companies for each field and build a system for joint research and development and sales expansion. This collaborative strategy is not limited to Japan, but we also plan to actively conclude partnership agreements with overseas companies in order to expand overseas.

Greenhouse gas reduction effect

Annual reduction of **287,200t** of GHG (greenhouse gas) ^{Note1}



If blasting is replaced with Coolaser in the annual market size of 6 million m² for bridge repainting work, GHG emissions can be reduced by 287,200 t (7.98 kg/m²).

This is equivalent to

1. In terms of car mileage, this is the **distance traveled by approximately 40,000 cars in one year.**
2. The amount of electricity used by **approximately 20,000 households per year**

Note 1 : Avoided emissions of 287,200 tons / year = A : GHG emission reduction per 1 m² of rust removal (functional unit) of 7.98 [kg/m²] (B : Electricity used by the blasting method: 45 kW x 50 % x 5 hours / day = 112.5 [kWh/ day] - C : Electricity used by Coolaser: 50 kW x 50 % x 5 hours / day = 125 [kWh/ day]) ÷ Area of rust removed per day: 10 [m²/ day] x CO₂ emission coefficient: 0.533 [kgCO₂/kWh] + (B : Amount of waste generated: 41 kg/m² - C : Amount of waste generated: 1 kg/m²) x CO₂ emission coefficient: 0.2161 [kgCO₂/kg] x D : Amount of use: 6 million m² Note 2 (annual amount of rust removed) x E : Useful life : 6 years.

Note 2 : Source: Yamada Infrastructure Technos Co., Ltd. "Reducing waste and changing the world !! " p.20 https://cpds.kentsu.co.jp/assets/img/technology/45/document_pdf/ecoclean.pdf

70% of member companies are painting construction companies across the country. They are also expected to be potential users.

In order to create a laser processing market, the association has been working on standardization of safety rules and handling qualification systems. 70% of the member companies are painting companies nationwide, and they have voiced their expectations as the first users of CoolLaser .

Academic Member

Repair Specialist | Safety Expert | Optical Expert | Private practitioner

Findings

Society of Laser Processing for Transportable System

Human Resources Development Committee | Safety Committee | From the perspective of the client/prime contractor, a certain level of knowledge that is sufficient to be entrusted with processing is made visible.

資格

Qualification system for laser irradiation processing / management technicians

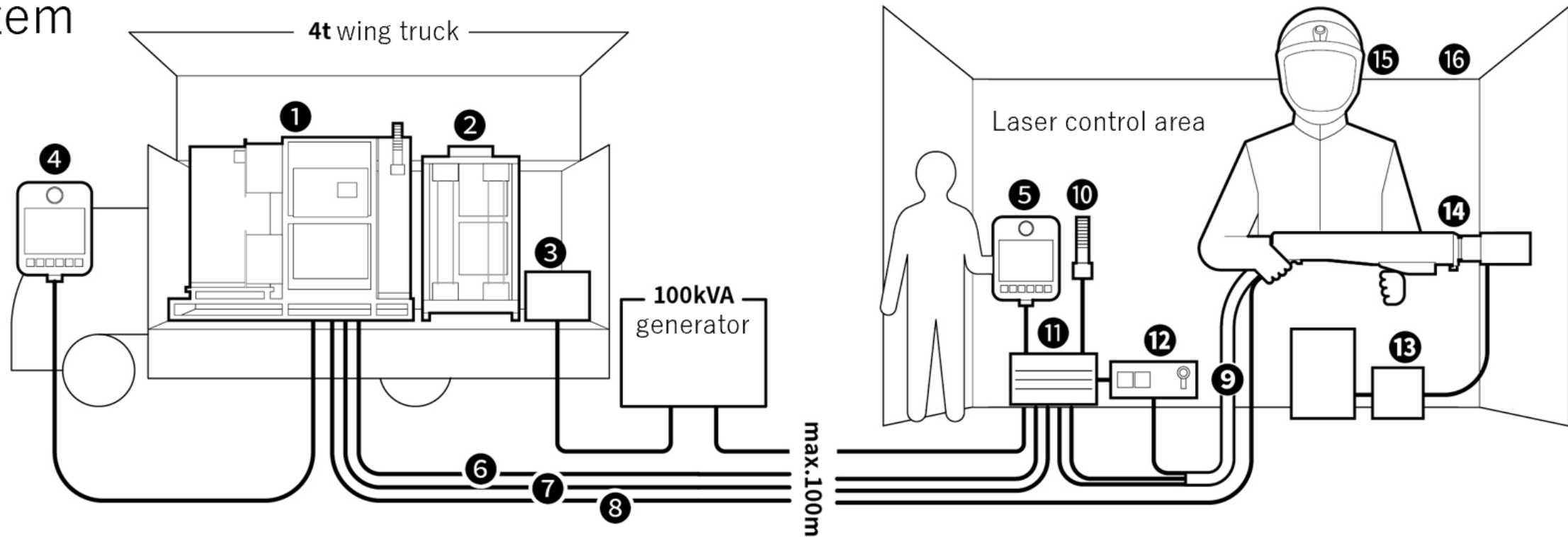
Qualified Person | Increase in people seeking qualifications | It will lead to attracting maintenance workers



Source: <https://www.laser-seko.org/>

一般社団法人 レーザー施工研究会 CoolLaser®	
Name	Society of Laser Processing for Transportable System
chairman	Kazuhiro Nishikawa (Former President of the Public Works Research Institute, National Research and Development Agency)
Base	Akasaka K Tower 4F, 1-2-7 Motoakasaka, Minato-ku, Tokyo
Establishment	April 1 , 2019
Number of members	131 companies *As of the end of July 2026, including supporting members and academic members.
Activities	1) Formulation and publication of safety guidelines for laser processing 2) Human Resource Development 3) Research into issues and countermeasures related to laser processing 4) Raising awareness about laser processing
director	Vice Chairman -Kazuhisa Fujita (Professor, Photonics Industry Creation Graduate School)
	Expert Director -Takeshi Mori (Professor Emeritus, Hosei University) -Shoken Shimizu (Specially Appointed Researcher, New Technology Safety Research Group, National Institute of Occupational Safety and Health, Japan Occupational Health and Safety Organization) -Shigenobu Kainuma (Professor, Department of Civil Engineering, Graduate School of Engineering, Kyushu University) -Keigo Suzuki (Associate Professor, Fukui University, Engineering Department, Architecture and Construction Engineering Course) -Izumi Tanikura (Chief Engineer, Japan Construction Method And Machinery Research Institute)
	Director -Kazuaki Toyosawa (CEO, TOYOKOH Inc.) -Masamitsu Takahashi (Chairman of Daiichi Cutter Kogyo Co., Ltd.) -Naoyuki Yamamoto (President and CEO of Yamamoto Optical Co., Ltd.) -Yasushi Kamihigashi (Chief Engineer, Central-NEXCO Technical Marketing Company Limited) -Kazuyuki Mizuguchi (Executive Officer (Technology Director), Yokogawa Bridge Corp.) -Masaaki Watanabe (Manager of Civil Engineering Sales Department, Suzuyo Construction Co., Ltd.)

System



Truck mounted

- ① System
- ② Laser oscillator chiller
- ③ Transformer
- Touch Panel**
- ④ Touch panel A
- ⑤ Touch panel B

Cables

- ⑥ Air hose
- ⑦ Communication cable
- ⑧ Optical fiber
- ⑨ Connection cable

Laser Control Area

- ⑩ Signal Tower
- ⑪ Control box
- ⑫ Head chiller
- ⑬ Dust collector
- Laser head**
- ⑭ Laser head
- Safety measures**
- ⑮ Protective equipment
- ⑯ Shielding material

System Overview

Item	Specifications
Laser:	5.4kW near infrared light continuous wave (CW)
Loading dimensions:	Approx. 5,500mm (W) x 1,750mm (D) x 2,100mm (H)
Total weight:	Approx . 3,000kg
Power consumption:	50kVA (please use a generator of over 100kVA)

SOSEI with other processing methods

SOSEI has a good overall balance and is a service with a high repeat rate among customers.

	SOSEI	Metal cover method A method of covering a steel roof from above	Slate roof replacement A method to replace a roof with a new one
When to use	The structural strength is weak and metal cover is not an option, insulation is required, and the price is reasonable	When the appearance has priority	When deterioration is significant and it is possible to stop factory operations
Cost (design unit price) Note 1	○ (15,000 yen / m ²)	△ (20,000 yen / m ²)	○ (15,000 yen / m ²)
Cost (running)	○ (Every 15 to 20 years)	◎ (Every 20 years)	◎ (Every 20 years)
Load	○ (~2.5kg/ m ²)	× (6~15kg/ m ²)	-
Durability	○ (About 15 years)	◎ (About 20 years)	◎ (About 20 years)
Processing Period	○ (~150 m ² / day)	○ (~150 m ² / day)	× (50 m ² / day)
Thermal insulation	◎ (Around -20 °C)	△ (Insulation required, increased costs)	× (No effect)
Pre-processing	◎ (No pre-processing required)	△ (Requires drilling holes or replacing hook bolts, asbestos inspection)	× (Factory operations must be suspended)
Comprehensive evaluation	◎ Overall, there are no weaknesses. Well-balanced	△ The roof load is large, and processing costs are high due to the recent rise in raw materials.	× The factory must be suspended

Note 1 : Scaffolding costs are excluded.

◎ ○ △ × in the table are based on our own analysis and consideration based on interviews with processing clients, prime contractors, etc. 42

This document has been prepared by our company solely for the purpose of providing information to deepen understanding of our company and has not been prepared for the purpose of soliciting investment or engaging in any similar activities, whether in Japan or overseas.

The statements about the future, such as earnings forecasts, contained in this document (including, but not limited to, our business plans, market size, competitive situation, information on the industry, and growth potential) are based on our judgment and available information as of the date of publication of this document, and do not guarantee future earnings, etc., and contain various risks and uncertainties. Please note that actual earnings, etc. may differ from forecasts due to changes in the environment, etc.

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<Contact> TOYOKOH Inc. pr@toyokoh.com