

Beautifully, For the future



TOYOKOH

Presentation Materials for the Fiscal Year Ending March 2026

TOYOKOH Inc. May 13, 2026

Pages updated from the financial results presentation

for the Third quarter of the Fiscal Year Ending March 2026 (disclosed on February 12, 2026)

For investors who have been continuously monitoring our IR materials. The following page has been updated since the last time.

Page	Item	Changes
P.5	Trends in sales, operating profit and R&D expenses	Added FY2026/3 results and FY2027/3 forecasts to the graph.
P.6	Sales pipeline for CoolLaser and SOSEI	New slide
P.7	Order backlog trends by business and by year	The order record by business as of the end of the FY 2026/3 have been added.
P.8	Financial Statement Analysis (P/L)	Key Income Statement (P/L) items for FY2026/3 results and FY2027/3 forecasts are presented with yearly comparisons.
P.9	Financial Statement Analysis (B/S)	New slide
P.10	Conducted an on-site verification meeting on the Kan-Etsu Expressway.	New slide
P.12	Secured the first overseas order for CoolLaser	Updated P.31 of the FY2026/3 Q3 Financial Results Briefing (disclosed on Feb 12, 2026) to clarify that the scheduled delivery timing to the UAE remains unchanged despite recent conflict in the Middle East.
P.13	Start of Operations at CoolLaser's New Factory and Current Outlook	Added a photo of the new CoolLaser factory to P.33 of the FY2026/3 Q2 Financial Results Briefing (disclosed on Nov 13, 2025) and noted that the delivery volume forecast for FY2028/3 remains unchanged at this time.
P.14	About the ruling party's pledges and CoolLaser.	New slide
P.15	Trends in the number of members and certified operators of the Society of Laser Processing for Transportable system	New slide
P.16	Selected for the JPX Startup Next 100 Index.	New slide
P.17	Impact of the Middle East conflict on the Company.	New slide
P.19	Company Profile	The following information has been updated as of the end of March 2026: number of officers and employees, sales trends by business, total processed area of SOSEI and the sales composition ratio.
P.26	Intellectual Property Rights Status	The table on the bottom right regarding the number of intellectual property rights has been updated. Added EP (European Patent) numbers following the grant of patent rights in Europe.
P.43	The Society of Laser Processing for Transportable System	Updated to the latest information (Number of members).

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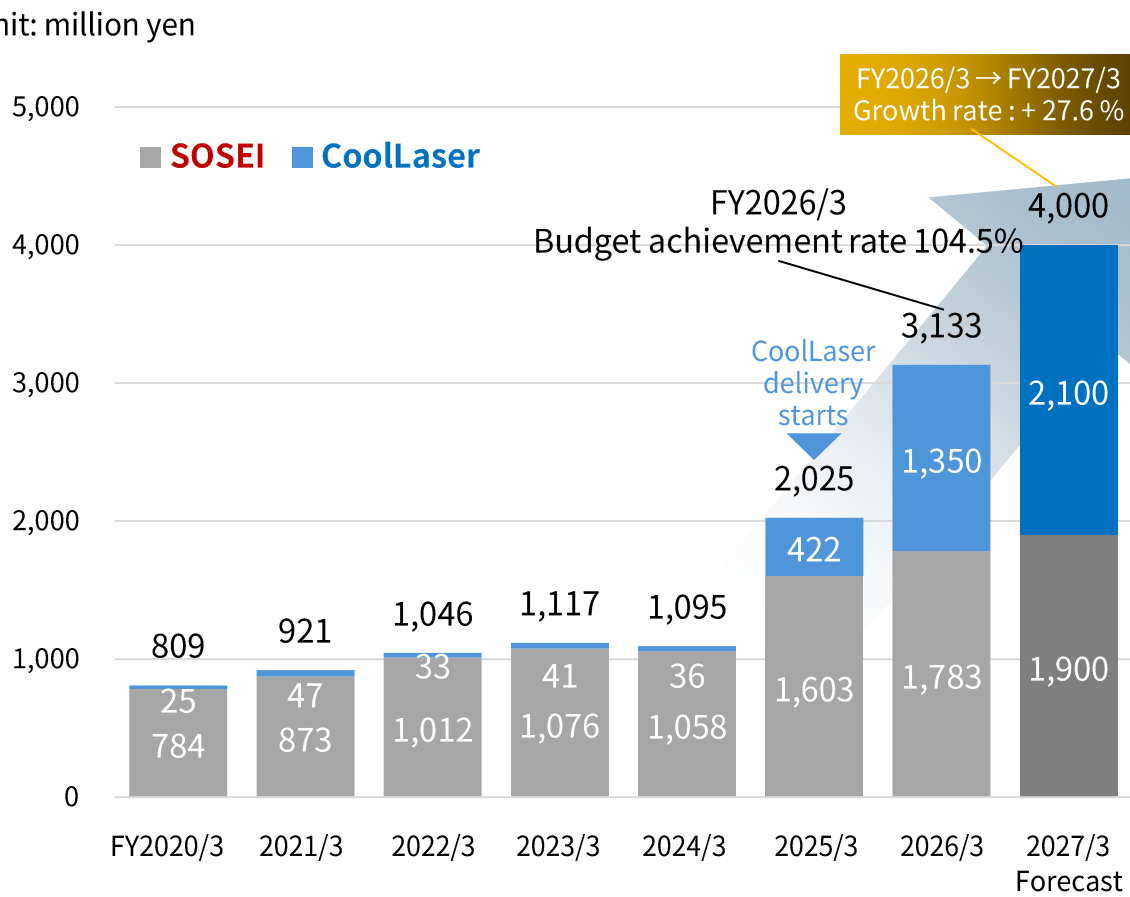
- 1: Overview of financial results for the FY 2026/3
- 2: Company Overview
- 3: Business Overview and Growth Strategy (CoolLaser)
- 4. Business Overview and Growth Strategy (SOSEI)
- 5. APPENDIX

1 : Overview of financial results for the FY 2026/3

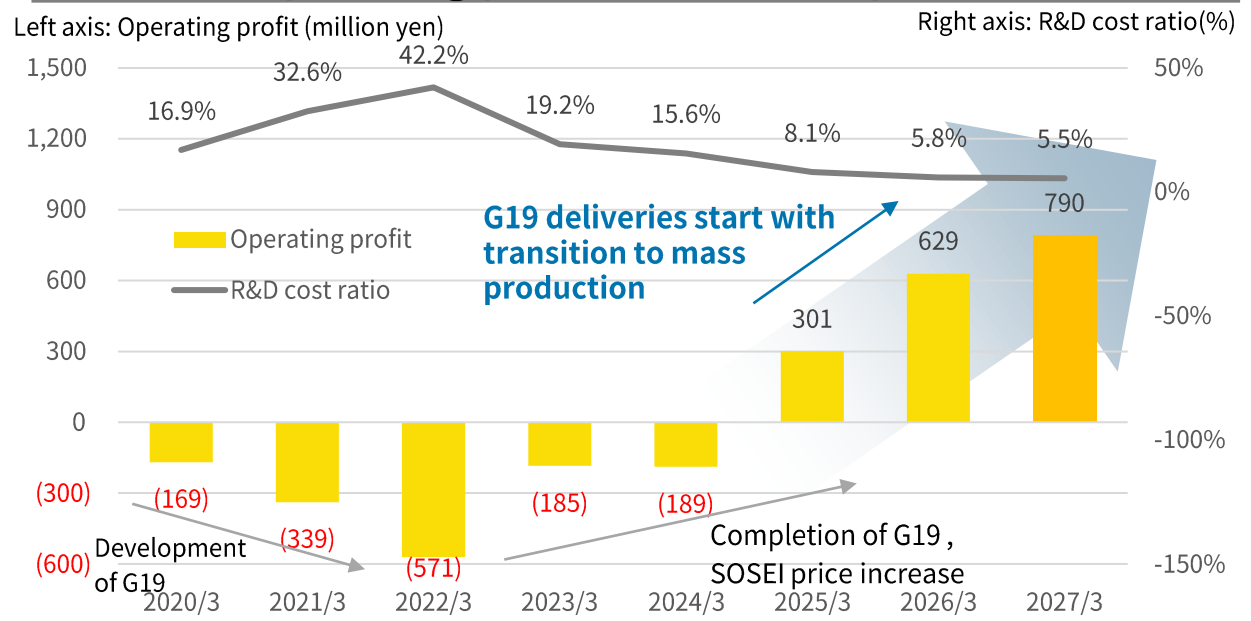


Sales on CoolLaser continued to grow on equipment sales, as in the previous fiscal year, and overseas expansion is planned. The continued growth of SOSEI will serve as the foundation for supporting the high growth of CoolLaser .

Sales Trends



Trends in operating profit and R&D expense ratio Note



Operating profit by business segment (million yen)

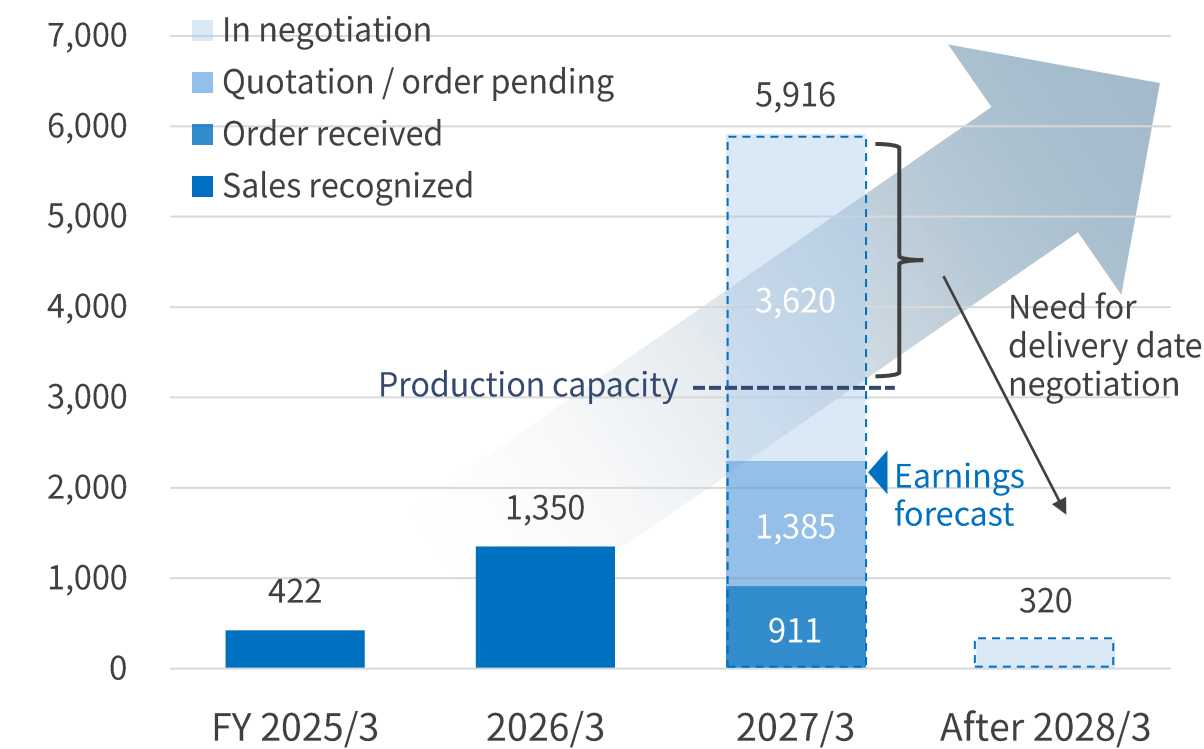
	2020/3	2021/3	2022/3	2023/3	2024/3	2025/3	2026/3	2027/3 Forecast
SOSEI	173	144	101	158	280	571	630	656
CoolLaser	-191	-348	-512	-186	-325	-69	249	401
Head office expenses	-151	-134	-160	-157	-143	-201	-250	-267
Total	-169	-339	-571	-185	-189	301	629	790

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



Unit: JPY million

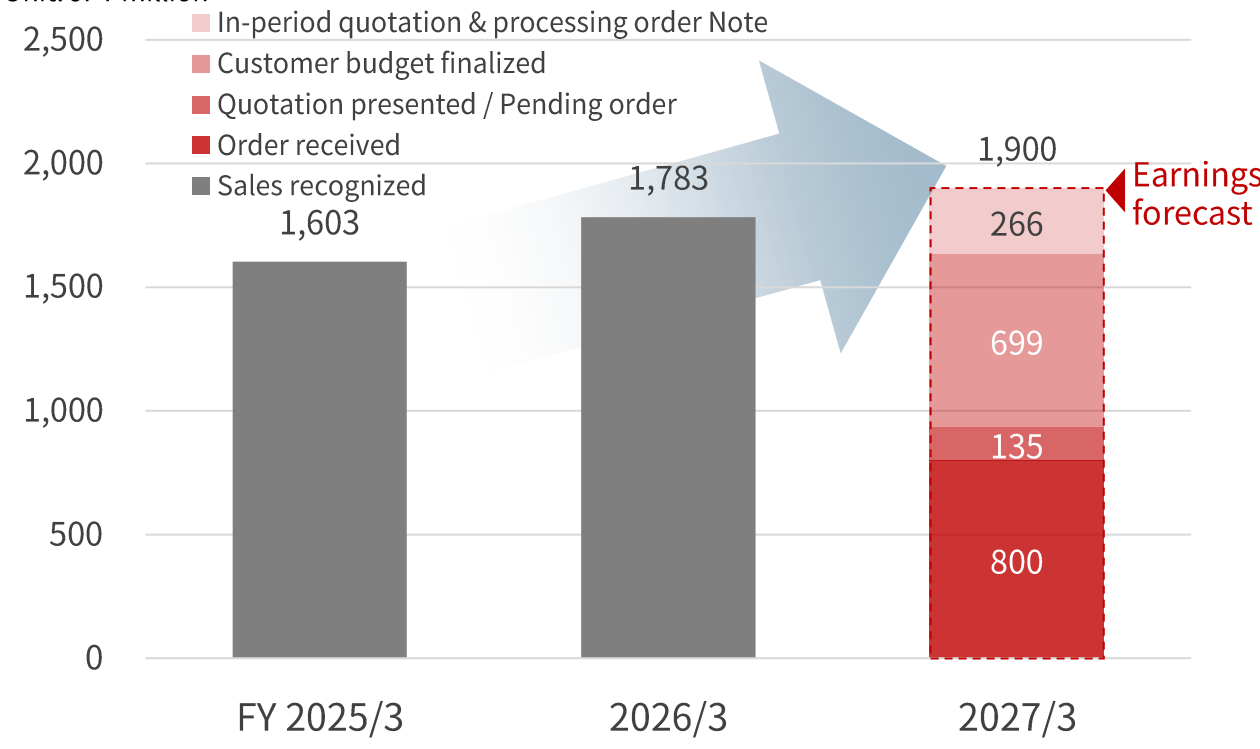


Expanding production capacity and establishing a framework for overseas expansion are the primary challenges for CoolLaser.

SOSEI Sales Pipeline



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).

Note: In-period quotation & processing order = (Minimum number of quotes in the past 3 periods) × (Minimum order rate in the past 3 periods) × (Minimum unit price per project in the past 3 periods).

Order backlog for CoolLaser and SOSEI (standard projects) increased. Both businesses are expected to achieve revenue growth in FY2027/3, following FY2026/3.

About the lead time

CoolLaser

Previously, the period from order to delivery took approximately six months, but lead times have been significantly reduced by switching to build-to-stock in February 2026.

SOSEI

- One month from receiving an order to starting construction, and at most six months from start to completion, so it is not a business model that would normally lead to a buildup of orders.
- In FY2024/3, the order backlog expanded due to orders for long-term projects with processing periods spanning two and a half years.
- We use the percentage of completion method. The order amount is counted according to sales progress.

About FY2026/3

CoolLaser

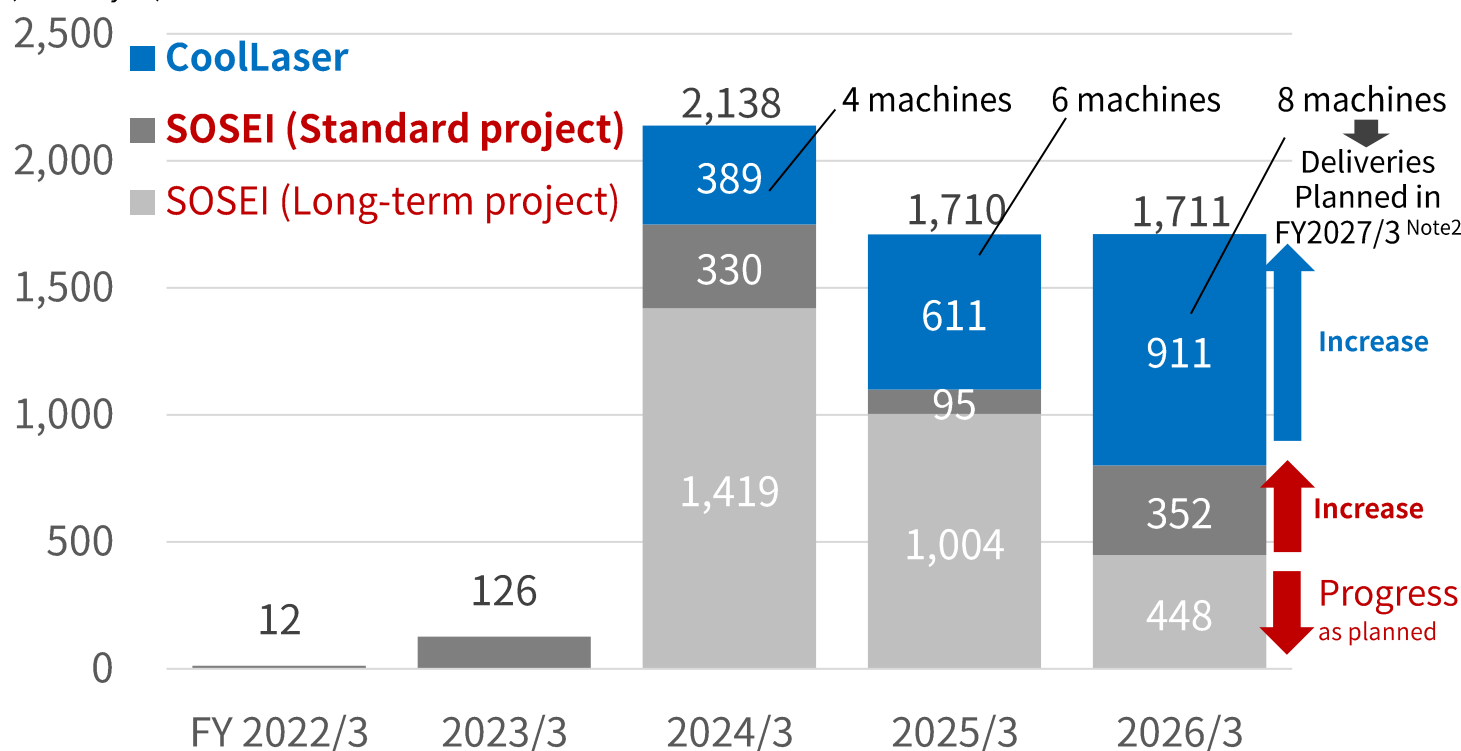
- Although the correlation between order backlog and sales forecasts is now lower due to the shift to build-to-stock, the **actual order backlog is increasing**.
- In Japan, we are preparing to establish our methods as industry standards; overseas, we are focusing on building service frameworks with partners through exhibitions, leading to an expected **revenue increase in FY2027/3 following FY2026/3**.

SOSEI

While the order backlog for long-term projects is gradually decreasing as planned, the backlog for standard projects is increasing, with **revenue growth expected in FY2027/3 following FY2026/3**.

Orders record ^{Note1} by business and by year

Unit: Orders record (million yen)



Note1: Order backlog= Cumulative amount of order sales received at the end of each fiscal year - amount recognized as sales by the end of the fiscal year

Note 2: The estimated delivery time is the current estimated delivery time, and may differ from the actual delivery time.

We expect to continue to maintain profitability and grow sales in the FY2027/3.

- 1 12 CoolLaser units were delivered in FY2026/3, and the business is expected to achieve a third consecutive year of revenue growth in FY2027/3, even after the impact of the Middle East conflict.
- 2 Gross profit margins for both SOSEI and CoolLaser remains near 40%, as they were in FY2026/3. SOSEI is at a higher level than the average level of about 25%^{Note} in the construction industry.
- 3 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 63 as of the end of March 2027 (breakdown : SOSEI +5, CL +7, Head office +2). *Salary in the table include executive compensation.
- 4 Commission expenses for both SOSEI and CoolLaser are expected to increase year-on-year, as recruitment fees (placement fees) for further growth from the following period onward are projected to rise from 10M in FY2026/3 to 30M in FY2027/3.

Breakdown of P/L

(Unit : Million yen, %)	FY2024.3 (Actual)		FY2025.3 (Actual)		FY2026.3 (Actual)				FY 2027.3 (Forecast)		
		Composition ratio		Composition ratio		Composition ratio	Compared to last year	Compared to plan		Composition ratio	Compared to last year
Sales	1,095	100.0	2,025	100.0	3,133	100.0	154.7	104.5	1 4,000	100.0	127.7
SOSEI	1,058	96.6	1,603	79.1	1,783	56.9	111.3	104.9	1,900	47.5	106.5
CoolLaser	36	3.4	422	20.9	1,350	43.1	319.3	103.9	2,100	52.5	155.5
Cost of sales	789	72.1	1,163	57.4	1,833	58.5	157.6	101.8	2,403	60.1	131.1
SOSEI	645	61.0	898	56.0	1,013	56.8	112.8	104.4	970	57.2	107.4
CoolLaser	143	392.0	264	62.6	819	60.7	309.6	98.8	1,316	62.7	160.5
Gross profit	305	27.9	862	42.6	1,300	41.5	150.8	108.4	1,596 2 39.9	122.7	
SOSEI	413	39.0	704	44.0	770	43.2	109.3	105.6	812	42.8	105.4
CoolLaser	-107	△ 292.0	158	37.4	530	39.3	335.4	112.8	783	37.3	147.9
Selling, general and administrative expenses	494	45.2	561	27.7	671	21.4	119.6	108.3	806	20.2	120.0
Salary	153	14.0	190	9.4	228	7.3	120.0	102.4	295	7.4 3	129.6
Research and development expenses	170	15.6	163	8.1	181	5.8	111.2	95.8	221	5.5	121.6
Expert fee	103	9.4	110	5.5	132	4.2	120.3	141.3	153	3.8 4	115.6
Other expenses	66	6.1	96	4.8	128	4.1	132.5	113.9	135	3.4	105.6
Operating profit (loss)	-189	△ 17.3	301	14.9	629	20.1	-	108.5	790	19.7	125.6
SOSEI	280	26.5	571	35.7	630	35.3	110.2	105.0	656	16.4	104.1
CoolLaser	-325	△ 885.4	-69	△ 16.4	249	18.5	-	124.7	401	10.0	160.9
Head office expenses	-143	△ 13.1	-201	△ 9.9	-250	△ 8.0	124.5	113.8	-267	△ 6.7	106.7
Non-operating income	59	5.4	3	0.2	12	0.4	347.7	-	1	0.0	11.6
Non-operating expenses	28	2.6	42	2.1	22	0.7	54.6	114.9	19	0.5	83.3
Ordinary profit (loss)	-157	△ 14.4	262	13.0	618	19.7	-	110.5	772	19.3	124.8
Profit (loss) before income taxes	-157	△ 14.4	262	13.0	618	19.7	-	110.5	772	19.3	124.8
Profit (loss)	-158	△ 14.5	321	15.8	550	17.6	-	114.7	654	16.4	118.9

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

Assets are being utilized in the CoolLaser business for working capital, capital expenditures, and the purchase of commercial paper from collaborative partners.

- ① Accounts receivable for CoolLaser increased significantly from 2M in FY2025/3 to 503M in FY2026/3.
- ② To strengthen the partnership with Mitsubishi HC Capital Inc. as a sales partner for CoolLaser, we purchased 500M in commercial paper (currently rolling over 3-month maturities).
- ③ With the production of two CoolLaser units per month, both finished goods and work-in-process increased in FY2026/3 compared to FY2025/3.
- ④ The breakdown of the 214M capital expenditure is: 162M for CoolLaser (including 45M for renovation of the new HAMAMATSU BASE factory and the transfer of one unit for internal use) and 44M for SOSEI (including 12M for the purchase of spraying equipment).
- ⑤ Anticipating an increase in working capital due to the mass production of CoolLaser, we raised 500M in long-term loans between July and September 2025.
- ⑥ Since high-interest long-term loans 300M from the pre-listing period will become eligible for early repayment, we plan to repay them at the end of September 2026 (reducing annual interest by 8M; interest expenses are projected at 4.8M for FY2026/3 due to an interest rate hike from Oct 2025, and 4.0M for FY2027/3 for the period until the end of Sep 2026).

Breakdown of B/S

(Unit : Million yen, %)		FY2025.3 (Actual)		FY2026.3 (Actual)			FY 2027.3 (Forecast)		
			Composition ratio		Composition ratio	Compared to last year		Composition ratio	Compared to last year
Assets									
	Cash and deposits	2,089	53.7	2,199	41.2	110	2,498	46.1	299
	Accounts receivable	251	6.5	598	11.2	① 347	361	6.7	△ 237
	Securities	0	0.0	498	9.3	② 498	498	9.2	0
	Accounts receivable from completed construction contracts	295	7.6	282	5.3	△ 13	287	5.3	5
	Inventories (Finished goods, Work in process, Raw materials, etc.)	172	4.4	544	10.2	③ 372	637	11.7	93
	Other current assets	13	0.3	13	0.2	0	10	0.2	△ 3
	Total current assets	2,823	72.6	4,137	77.5	1,314	4,295	79.2	158
	PPE	533	13.7	678	12.7	④ 145	603	11.1	△ 75
	Investments and other assets	533	13.7	525	9.8	△ 8	526	9.7	1
	Total non-current assets	1,066	27.4	1,204	22.5	138	1,129	20.8	△ 75
	Total assets	3,889	100.0	5,341	100.0	1,452	5,424	100.0	83
Liabilities									
	Accounts payable	175	4.5	346	6.5	171	345	6.4	△ 1
	Current portion of long-term loans payable	129	3.3	264	4.9	⑤ 135	264	4.9	0
	Other current liabilities	158	4.1	222	4.2	64	216	4.0	△ 6
	Other current liabilities	463	11.9	833	15.6	370	827	15.2	△ 6
	Long-term loans payable	1,330	34.2	1,465	27.4	⑤ 135	901	16.6	⑥ △ 564
	Other non-current liabilities	65	1.7	62	1.2	△ 3	62	1.1	0
	Total non-current liabilities	1,395	35.9	1,528	28.6	133	963	17.8	△ 565
	Total liabilities	1,859	47.8	2,362	44.2	503	1,791	33.0	△ 571
Net assets									
	Total net assets	2,030	52.2	2,979	55.8	949	3,633	67.0	654
	Total liabilities and net assets	3,889	100.0	5,341	100.0	1,452	5,424	100.0	83

Conducted an on-site verification meeting for CoolLaser on the Kan-Etsu Expressway in collaboration with Yokogawa Bridge Corp. for NEXCO East.

- Social Issues -

Anti-freezing agents sprayed on road surfaces during winter contain salt. Residual salt during the repainting of steel bridges acts as a corrosive factor, leading to re-deterioration where rust reappears; this necessitates frequent repainting and, combined with labor shortages due to a declining population, has become a significant social issue.

- Solution via CoolLaser -

- CoolLaser is capable of **evaporating and removing salt along with rust, which is expected to reduce life-cycle costs** by extending the intervals between repainting cycles.
- In this verification, the salt concentration on the steel surface, which exceeded 300 mg/m^2 in some areas, was reduced to **6 mg/m^2** or less after CoolLaser ablation (the standard management value is 50 mg/m^2).
- As a solution to salt damage from anti-freezing agents — a common challenge in snowy regions — we will work with Yokogawa Bridge Corp. based on these verification results to **encourage infrastructure owners to formally adopt the CoolLaser method.**

Scenes from the on-site verification meeting on the Kan-Etsu Expressway.



Source: Toyokoh Official Website Press Release (Dec 26, 2025), "[TOYOKOH Conducts Test Processing of CoolLaser with Yokogawa Bridge on the Kan-etsu Expressway](#)"

Extending the lifespan of pedestrian bridges with CoolLaser — Addressing the nationwide trend of bridge removal due to aging.

Maintenance of a pedestrian bridge using CoolLaser

- Social Issues

Repainting the undersides of pedestrian bridges crossing roads was difficult because installing scaffolding for grit blasting carried the risk of collisions with passing trucks.

As a result, many aging bridges at busy intersections have been slated for removal, leading to severe traffic congestion.

- Solution via CoolLaser

CoolLaser utilizes light energy and generates no secondary waste. Featuring a proprietary dust-collection mechanism at the laser head, it allows for **repainting from aerial work platforms without the need for scaffolding**.

By utilizing CoolLaser, we can **extend the life of the 12,000 pedestrian bridges across Japan**, alleviating traffic congestion and supporting efficient regional economic activity.



Signing ceremony for CoolLaser's first overseas order held at "Singapore Airshow 2026," one of Asia's largest aerospace exhibitions

- Social Issues

In the UAE region, where the order was secured, high priority is placed on preventing worker health hazards and fulfilling responsibilities as an oil-producing nation toward a decarbonized society.

- Solution via CoolLaser

CoolLaser enables maintenance without generating secondary waste, **protecting workers from health hazards** and contributing to **global environmental protection and the realization of a decarbonized society**.

GBA, the customer, has agreed to **receive the delivery of the first unit during the fiscal year ending March 2027** (=The forecast remains unchanged, even after considering the impact of the Middle East conflict.).

This serves as a precursor to multiple-unit deployment, with a view toward expanding into maintenance for defence-related facilities in the UAE

The signing ceremony at the "Singapore Airshow 2026" is a direct result of the multiple support provided by ATLA in promoting CoolLaser at international exhibitions.

Highlights from the ATLA booth at the two exhibitions:



(Left)
Group photo of exhibitors at "Singapore Airshow 2026" (Feb 3 to Feb 6, 2026, Changi Exhibition Centre, Singapore)



(Right)
Signing ceremony with GBA, headquartered in Dubai, UAE.

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 expected to be 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



Preventive maintenance and the transfer of defence equipment are featured in the ruling party's pledges, and CoolLaser—utilized for the maintenance of infrastructure and defence equipment—is a "Made in Japan" technology that aligns with these initiatives.



防災・減災、国土強靱化

- 国・自治体によるシミュレーションによりリスクを総点検し、老朽化したインフラの整備・保全をはじめ、ハード・ソフトの両面で、事前防災・**予防保全**を徹底します。
- 首都の危機管理機能のバックアップ体制を構築し、首都機能分散及び多極分散型経済圏を形成する観点から、副首都機能の整備を含め、国家社会機能の継続性を高めるための法案を策定し、速やかな成立を図ります。

安全保障

- 中国の軍備増強、北朝鮮の核・ミサイル開発、ロシアによるウクライナ侵略など、地政学的緊張が常態化する中、現実の脅威に毅然と対峙し、国民の生命・財産、領土・領海・領空を断固として守り抜きます。
- 「新しい戦い方」への対応、継戦能力確保やわが国の太平洋側での活動への対応の重要性などを踏まえ、本年中に国家安全保障戦略を含む「三文書」を改定し、新たな時代に対応した防衛体制を構築します。
- 防衛装備移転**については、防衛装備移転三原則の運用指針の5類型を撤廃するとともに、平和国家としての理念を堅持しつつ、安全保障上の必要性等も踏まえ、積極的に推進します。

The number of members in the industry group, Society of Laser Processing for Transportable system, and the number of certified operators who will be CoolLaser users have further increased following the start of CoolLaser unit deliveries.

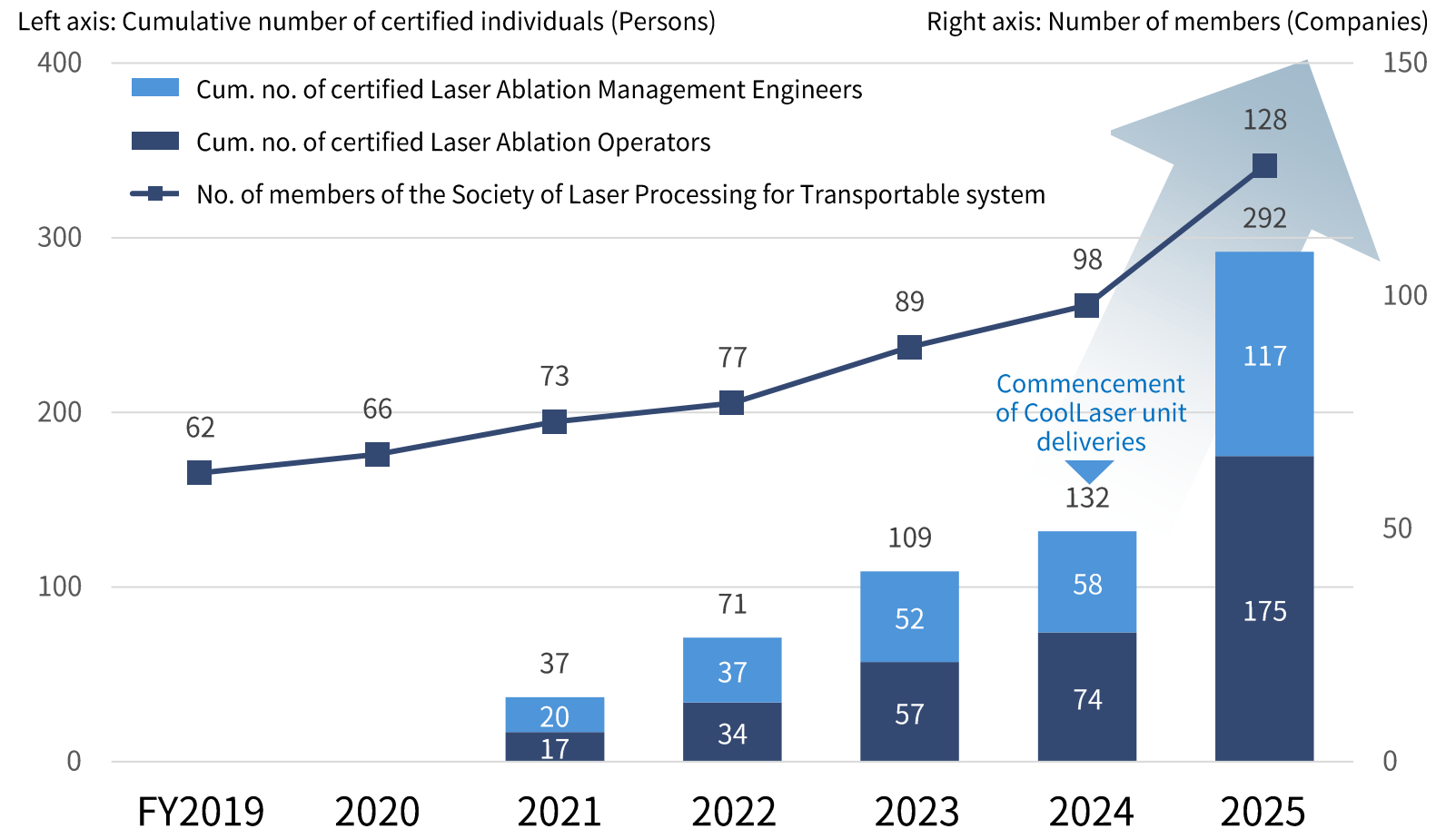
- With CoolLaser transitioning to the equipment sales phase, there has been an **increase in member companies**, including **processing firms considering equipment adoption**, as well as **trading and leasing companies aiming for involvement in distribution**.

- With approximately 130 member companies, it is becoming a major industry association within the painting and coating industry.

- Regarding the certifications for management engineers and operators, the qualification exams—previously held once a year—are being held **four times in FY2025**.

- To become an indispensable technology for social infrastructure maintenance, we will work to **increase the number of members and certified operators alongside raising equipment production capacity**.

Trends in the number of members and certified operators of the Society of Laser Processing for Transportable system



Source: Society of Laser Processing for Transportable system Official Website, "[Human Resource Development Subcommittee](#)"

Selected for the JPX Start-up Growth 100 Index

- Selected for the stock index comprised of 100 of Japan's leading high-growth startups (dissemination commenced on March 9, 2026).
- Of the 41 companies that were listed on the TSE Growth Market in 2025, **only three companies, including us, were selected for the index.**
- We are **the only company from the construction industry selected for the index.**
- Future capital inflows from index funds are also expected. In fact, **the investment trust shareholding ratio increased significantly from 4.2% at the end of Sep 2025 to 10.5% at the end of Mar 2026.**



Constituents of JPX Start-Up Acceleration 100 Index

Published on February 13, 2026

#	Code	Name	Mkt	Sector	#	Code	Name	Mkt	Sector	#	Code	Name	Mkt	Sector
1	2980	SRE Holdings Corporation	P	Real Estate	35	4443	Sansan, Inc.	P	Info & Com	68	7095	Macbee Planet, Inc.	P	Services
2	2986	LA Holdings Co., Ltd.	G	Real Estate	36	4449	gitee Inc.	P	Info & Com	69	7157	LIFENET INSURANCE COMPANY	P	Insurance
3	2998	CREAL Inc.	G	Real Estate	37	4475	HENNGE K.K.	G	Info & Com	70	7172	Japan Investment Adviser Co., Ltd.	P	Securities and Commodities Futures
4	3133	kaihan co., Ltd.	G	Retail Trade	38	4477	BASE, Inc.	G	Info & Com	71	7352	TWOSTONE&Sons Inc.	G	Services
5	3182	Oisix ra daichi Inc.	P	Retail Trade	39	4478	freee K.K.	G	Info & Com	72	7373	Aidma Holdings, Inc.	G	Services
6	3479	TKP Corporation	G	Real Estate	40	4480	MEDLEY, INC.	P	Info & Com	73	7388	FP Partner Inc.	P	Insurance
7	3482	Loadstar Capital K.K.	P	Real Estate	41	4483	JMDC Inc.	P	Info & Com	74	7685	BuySell Technologies Co., Ltd.	G	Wholesale Trade
8	3491	GATEchnologies Co., Ltd.	G	Real Estate	42	4563	AnGes, Inc.	G	Pharmaceutical	75	7806	MTG Co., Ltd.	G	Other Products
9	3496	AZOOM CO., LTD	P	Real Estate	43	4565	Nxera Pharma Co., Ltd.	P	Pharmaceutical	76	8789	FinTech Global Incorporated	S	Other Financing Business
10	3498	Kasumigaseki Capital Co., Ltd.	P	Real Estate	44	4575	CanBas Co., Ltd.	G	Pharmaceutical	77	9158	CUC Inc.	G	Services
11	3692	FFRI Security, Inc.	G	Info & Com	45	4592	SanBio Company Limited	G	Pharmaceutical	78	9166	GENDA Inc.	G	Services
12	3697	SHIFT Inc.	P	Info & Com	46	4593	HEALIOS K.K.	G	Pharmaceutical	79	9168	Rise Consulting Group, Inc.	G	Services
13	3915	TerraSky Co., Ltd.	P	Info & Com	47	4894	Cuorips Inc.	G	Pharmaceutical	80	9211	f-code Inc.	G	Services
14	3923	RAKUS Co., Ltd.	P	Info & Com	48	5027	AnyMind Group Inc.	G	Info & Com	81	9279	GIFT HOLDINGS INC.	P	Retail Trade
15	3984	User Local, Inc.	P	Info & Com	49	5032	ANYCOLOR Inc.	P	Info & Com	82	9338	INFORICH INC.	G	Services
16	3989	SHARINGTECHNOLOGY, INC	G	Info & Com	50	5038	eWell Co., Ltd.	G	Info & Com	83	9348	ispace, inc.	G	Services
17	3993	PKSHA Technology Inc.	P	Info & Com	51	5139	OpenWork Inc.	G	Info & Com	84	9467	AlphaPolis Co., Ltd.	G	Info & Com
18	3994	Money Forward, Inc.	P	Info & Com	52	5243	note inc.	G	Info & Com	85	9519	RENOVA, Inc.	P	Electric Power and Gas
19	4051	GMO Financial Gate, Inc.	P	Info & Com	53	5246	ELEMENTS, Inc.	G	Info & Com	86	9552	Quants Research Institute Holdings, Inc.	P	Services
20	4058	Toyokumo, Inc.	G	Info & Com	54	5253	COVER Corporation	G	Info & Com	87	9556	INTLOOP Inc.	G	Services
21	4071	Plus Alpha Consulting Co., LTD.	P	Info & Com	55	5254	Arent Inc.	G	Info & Com	88	135A	VRAIN Solution, Inc.	G	Info & Com
22	4165	PLAID, Inc.	G	Info & Com	56	5592	Kusunomadoguchi, Inc.	G	Info & Com	89	147A	SORACOM, INC.	G	Info & Com
23	4180	Appier Group, Inc.	P	Info & Com	57	5842	Integral Corporation	G	Securities and Commodities Futures	90	166A	TASUKI Holdings Inc.	G	Real Estate
24	4194	Visional, Inc.	P	Info & Com	58	6027	Bengo4.com, Inc.	P	Services	91	215A	Timee, Inc.	G	Services
25	4259	ExaWizards Inc.	G	Info & Com	59	6030	Adventure, Inc.	G	Services	92	218A	Liberaware Co., Ltd.	G	Precision Instruments
26	4371	Core Concept Technologies Inc.	G	Info & Com	60	6196	Strike Company, Limited	P	Services	93	219A	Heartseed Inc.	G	Pharmaceutical
27	4375	Safie Inc.	G	Info & Com	61	6200	Insource Co., Ltd.	P	Services	94	247A	AI ROBOTICS INC.	G	Chemicals
28	4377	ONE CAREER Inc.	G	Info & Com	62	6532	BayCurrent, Inc.	P	Services	95	278A	Terra Drone Corporation	G	Precision Instruments
29	4384	RAKSUL INC.	P	Info & Com	63	6544	JAPAN ELEVATOR SERVICE HOLDINGS CO., LTD.	P	Services	96	290A	Synspective Inc.	G	Info & Com
30	4393	Bank of Innovation, Inc.	G	Info & Com	64	6562	Geniee, Inc.	G	Services	97	299A	Kurashiru, Inc.	G	Services
31	4413	baudrole, inc.	P	Info & Com	65	7033	Management Solutions Co., Ltd.	P	Services	98	336A	Dynamic Map Platform Co., Ltd.	G	Info & Com
32	4417	Global Security Experts Inc.	G	Info & Com	66	7047	PORT INC.	G	Services	99	341A	TOYOKOH Inc.	G	Construction
33	4419	Finatext Holdings Ltd.	G	Info & Com	67	7059	COPRO-HOLDINGS Co., Ltd.	P	Services	100	464A	QPS Holdings Inc.	G	Info & Com
34	4431	Smaregi, Inc.	G	Info & Com										

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Source: Japan Exchange Group HP 「JPX Start-Up Acceleration 100 Index」 (2026/5/8)

Impact of the Middle East Conflict on the Company

As detailed below, we believe the impact of the Middle East conflict on the company is limited, and we are proceeding with various initiatives to respond to the emergency.

		
Impact on Raw Material Procurement	No Impact No specific impact on component supply or requests for price increases have been received from suppliers.	Impacted, but Action Taken (Current Status) We have received requests for price increases for some raw materials from suppliers, and a decrease in the supply of solvents (paint thinner), etc., is expected. (Countermeasures) We believe the impact on the business will be limited as a result of the following measures: ✓ Started collecting and reusing approximately 70% of thinners, which were previously treated as waste, using a newly introduced recycling machine. ✓ While dependence on specific suppliers was previously considered a risk, in an emergency like this, raw materials are being supplied stably and preferentially to us as a major ongoing customer. ✓ Raw materials for the immediate future have been secured, as we have consistently shared future project and order forecasts with suppliers. ✓ Increased costs of raw materials from suppliers are being addressed through price pass-throughs.
Impact on Sales Channels and Customers	Impacted, but Limited Although the overall decrease in paint supply affects repainting work in general, many of CoolLaser's customers are construction companies engaged in public works; it has been reported that raw material supply for the public sector is prioritized over the private sector (e.g. housing).	Impacted, but Limited Although some of SOSEI's customers are affected by the Middle East conflict, SOSEI consistently has many customers in the automotive industry; since the government has indicated a policy of prioritizing raw material procurement for this industry, the impact is expected to be limited. (In fact, we are seeing many inquiries aimed at last-minute orders.)

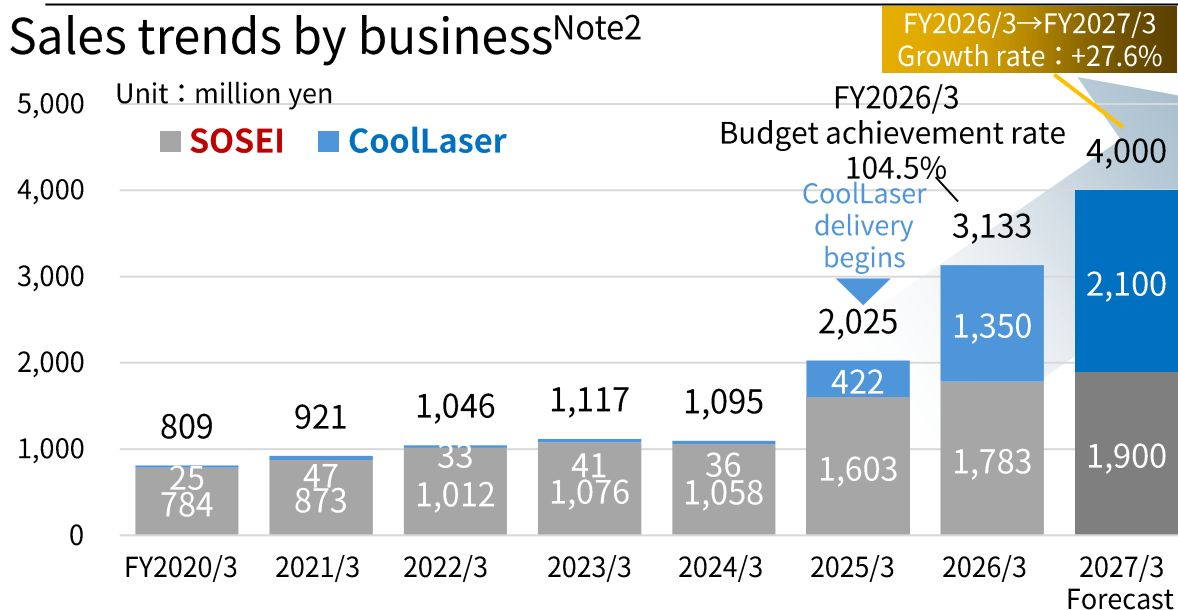
2 : Company Overview



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))
Accumulative capital raised	3,400 million yen ^{Note1} (excluding amount procured through borrowings)
Officers and Employees	56 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}



Note1: As of the end of March 2026. Note2: Created using non-consolidated value
 Confidential All rights reserved. © 2026 TOYOKOH Inc.

Mission Beautifully , For the future

CoolLaser

CoolLaser.

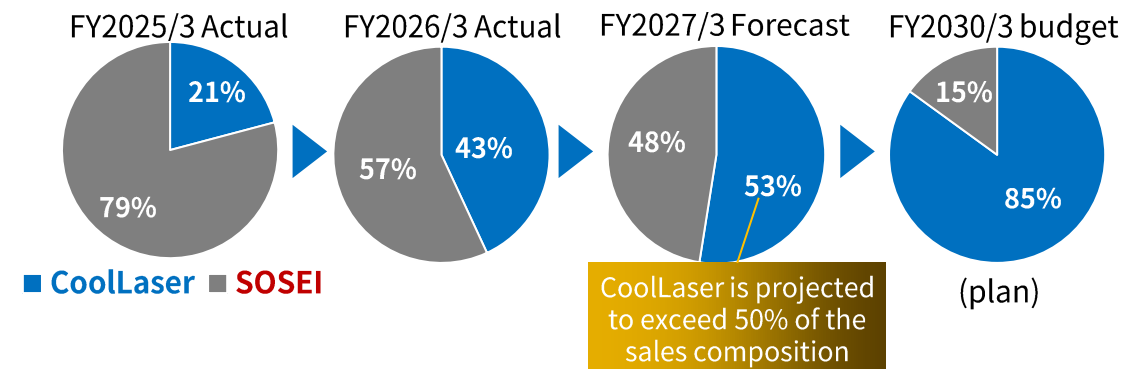
- Development, manufacturing and sales of "CoolLaser" which uses laser to remove rust and paint from aging infrastructure
- Delivery starts in Sep 2024. Commenced overseas orders in Feb 2026.

SOSEI

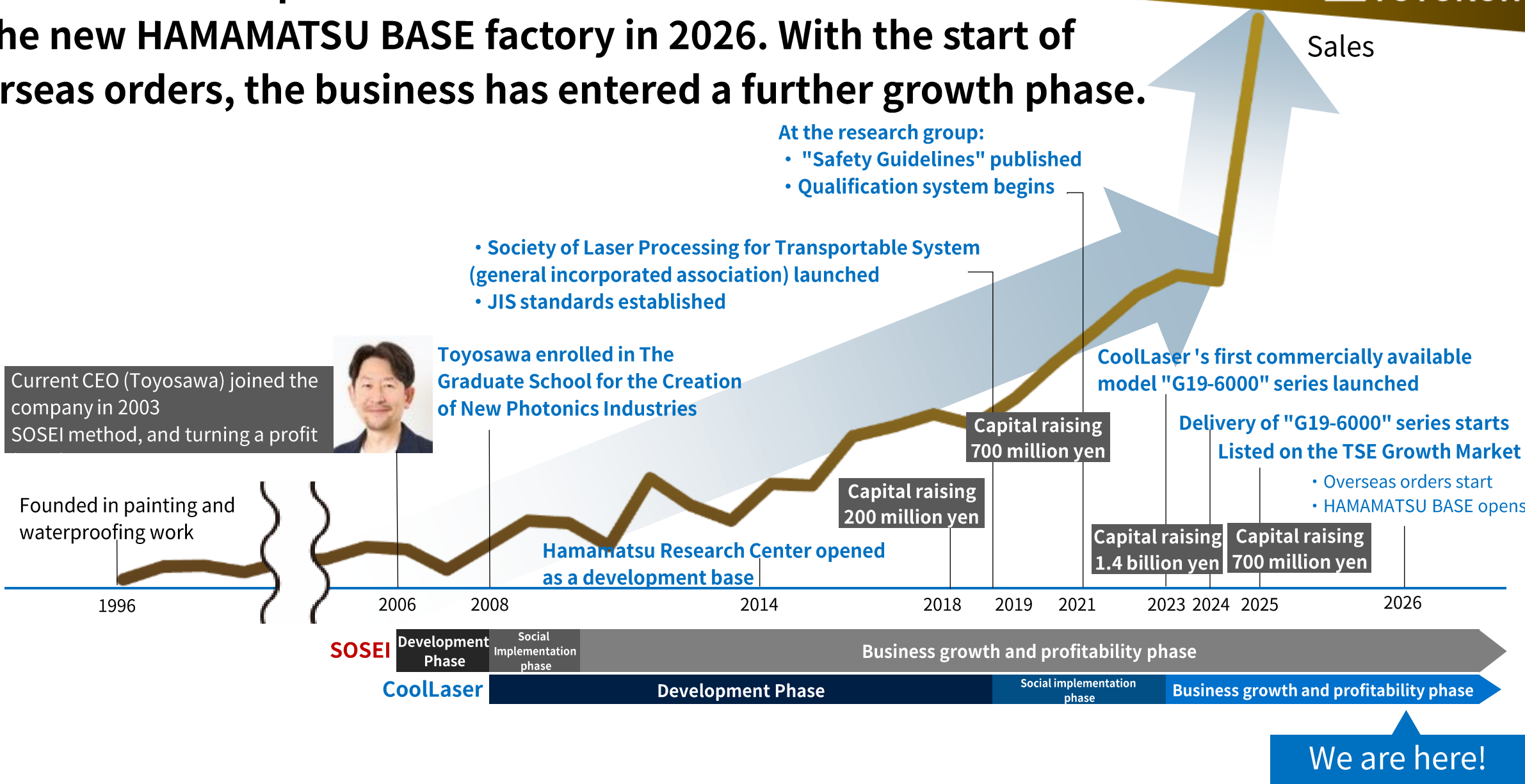
SOSEI

- Development and processing of "SOSEI" which uses three layers of special resin spray coating to restore a strong roof
- A total of 1.7 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.



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)

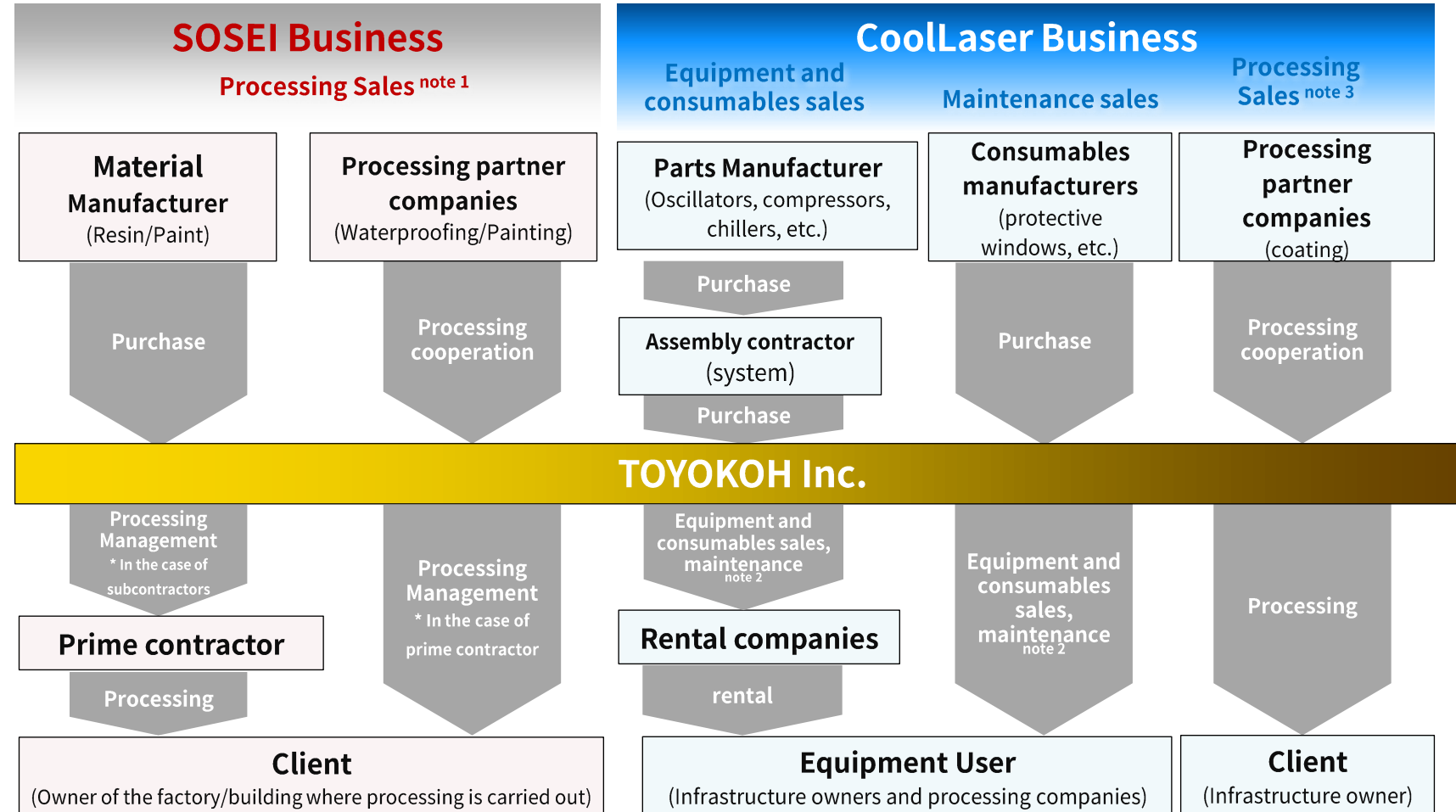
Experienced corporate and tax law at Anderson Mori. Obtained LLM in international tax law from Leiden University in the Netherlands. Representative lawyer at law firm Y Cube.

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.

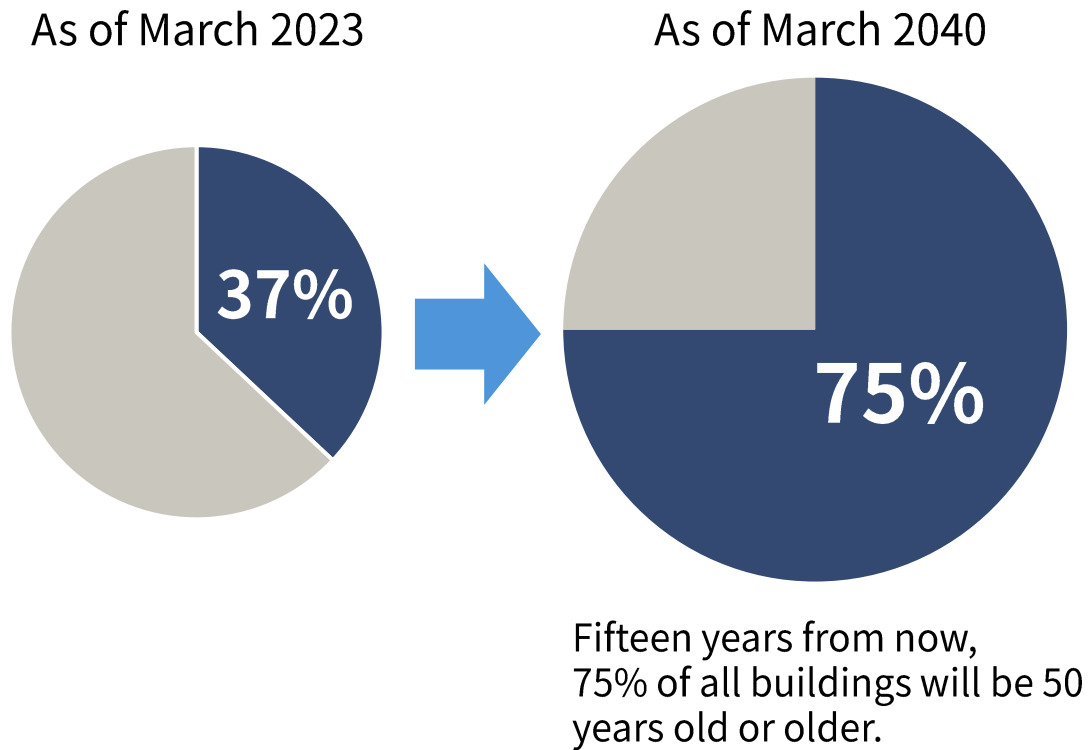
Note 3 : Installation sales for the CoolLaser business are mainly from test installations to confirm the performance of the equipment.

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.

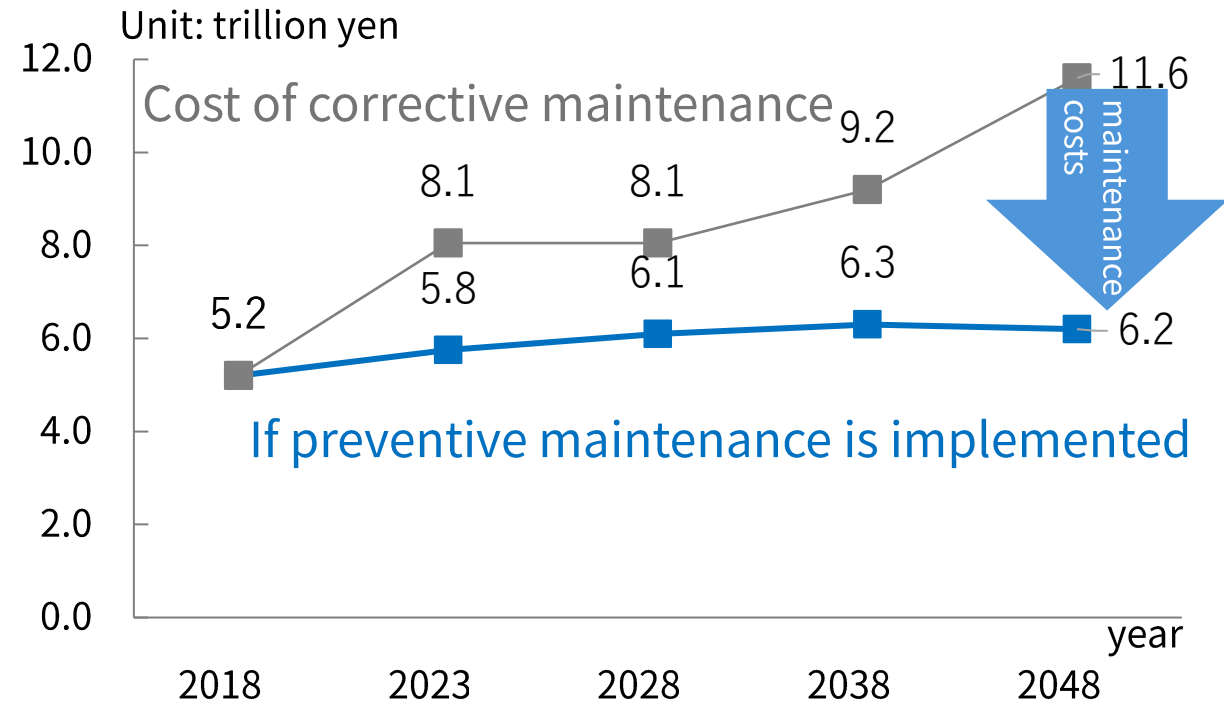
Percentage of road bridges that were built more than 50 years ago ^{Note1}



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).

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.

Laser technology produces no industrial waste^{Note}

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

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.

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/>



Before



After



Before



After

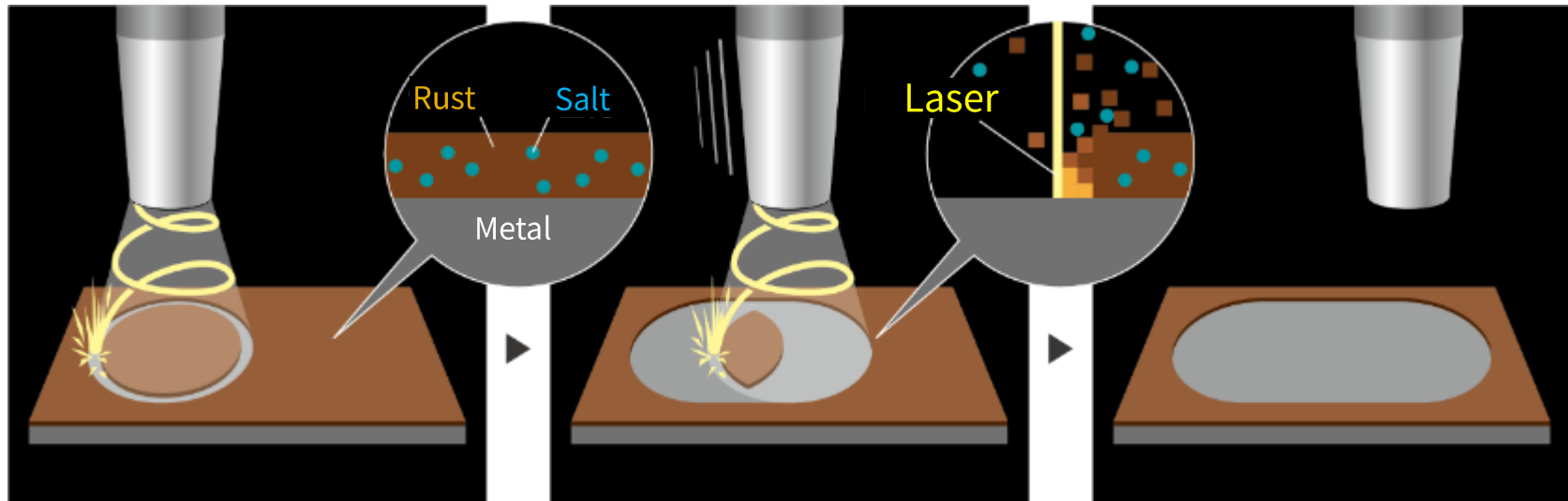
CoolLaser has been granted the IP right in Japan and the US.
This product stands out in the market by specializing in outdoor processing.

Patented technology with ultra-high speed circular irradiation

● Patent No. 5574354

US-9868179

EP2823929



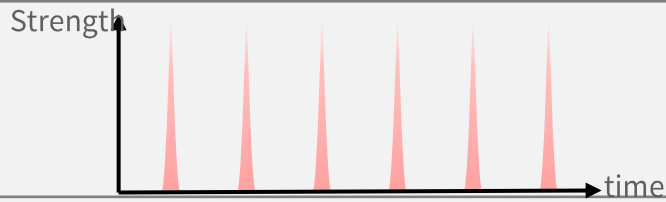
CoolLaser is a revolutionary technology that uses laser light to remove paint, rust, and harmful substances from the surface of steel by melting, evaporating, and thermally crushing them, while minimizing the thermal impact on the steel itself by using ultra-high-speed circular rotation scan.

Intellectual Property Rights Status

As at the end of April 2026

Unit: item	Domestic	Abroad
Already acquired	20	8
Pending	12	9
total	32	17

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.

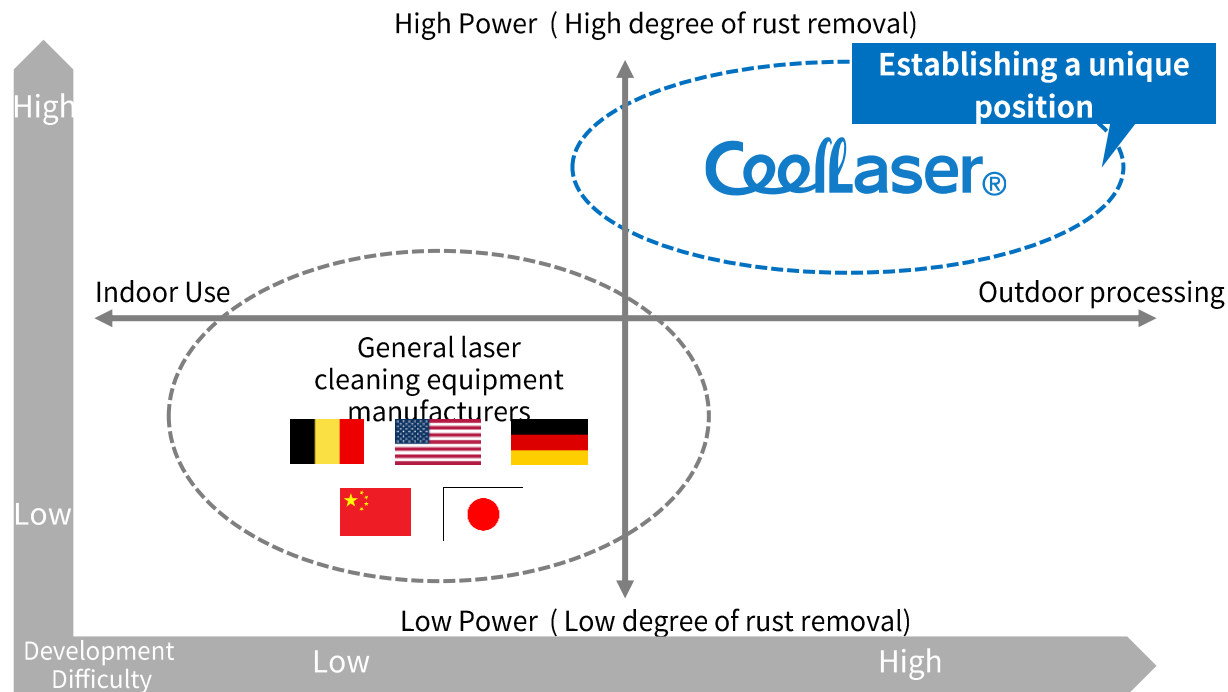
CoolLaser Product Positioning

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



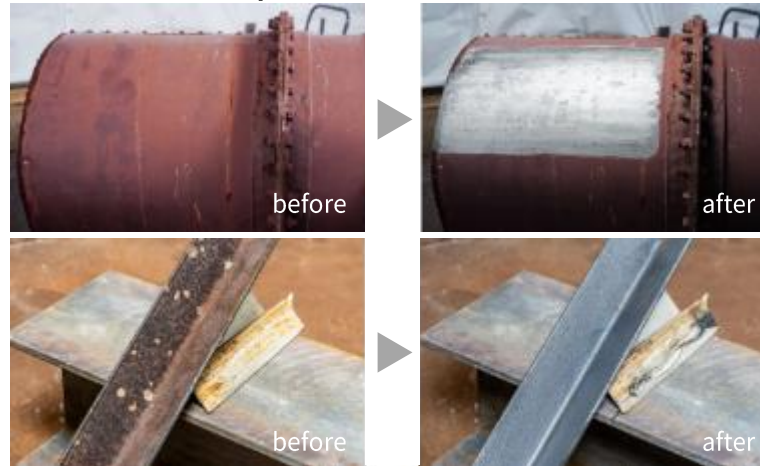
A major construction equipment rental company in the industry has a corporate culture that is proactive in adopting innovative new technologies, and has installed multiple CoolLasers.

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



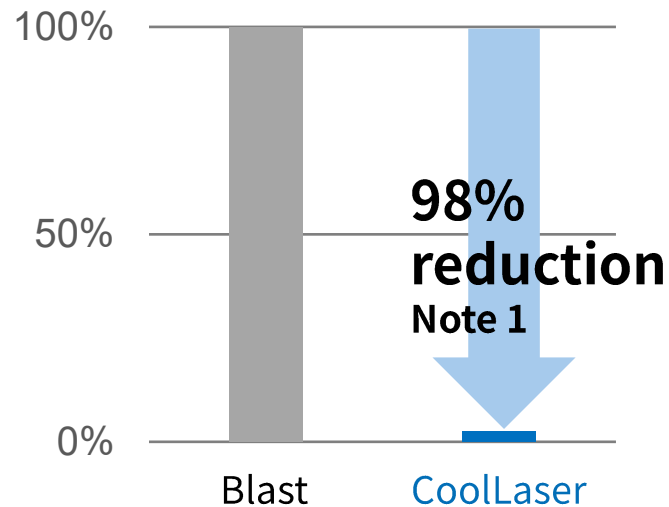
40m-tall parabolic antenna is constantly in motion, temporary scaffolding could not be set up, and the thick rust that is typical of coastal areas could not be removed. CoolLaser does not use abrasives, so no dust is scattered, allowing work to be done without scaffolding, reducing processing time and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

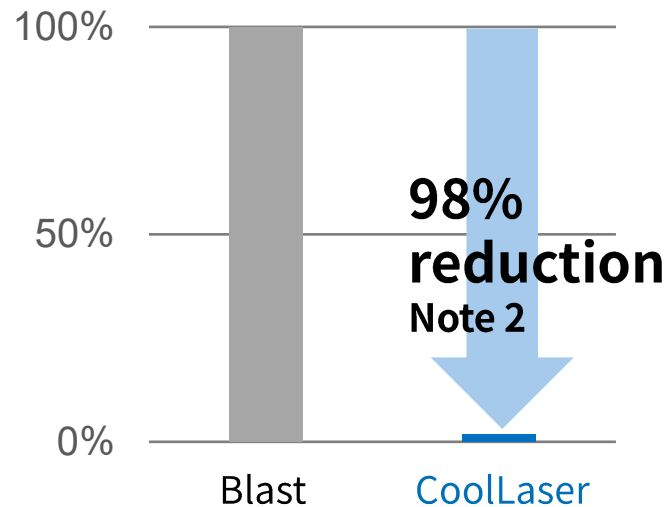
CoolLaser changes the 3Ds (Dirty, Dangerous and Demeaning) in the workplace to 3Cs (Cool, Clean and Creative) , contributing to the well-being of workers.

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

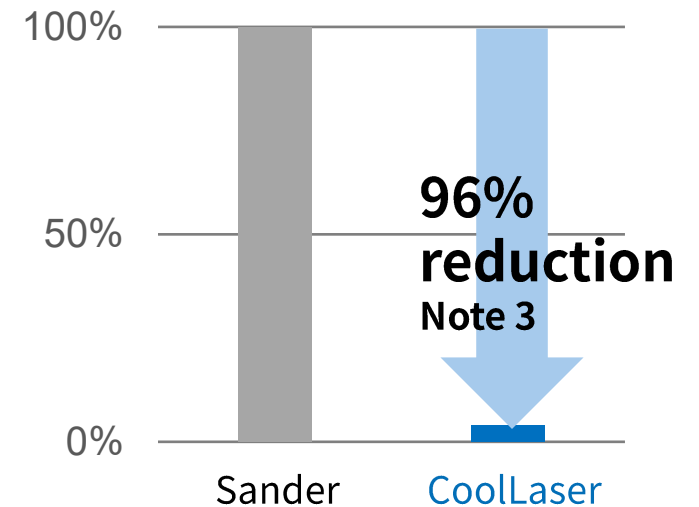
Industrial waste disposal costs and CO2 emissions



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"

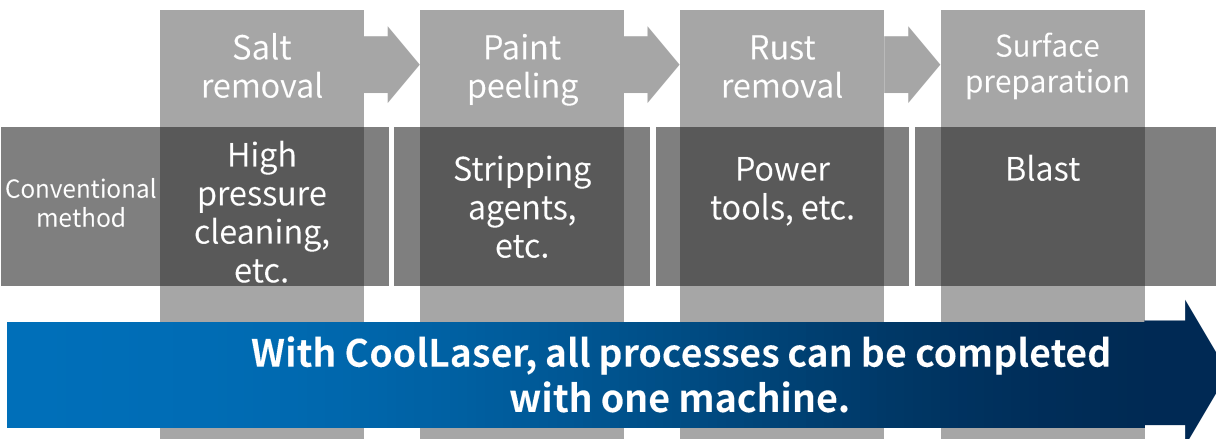
Note 3: $1\text{-CoolLaser } 2.4\text{mg/m}^3 \div$ Lead concentration when using power tools (diamond tools) 61mg/m^3 = 96% reduction. Source: Environmental Management Center Co., Ltd. "Work environment measurement during paint removal work (2024/3/25)"

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

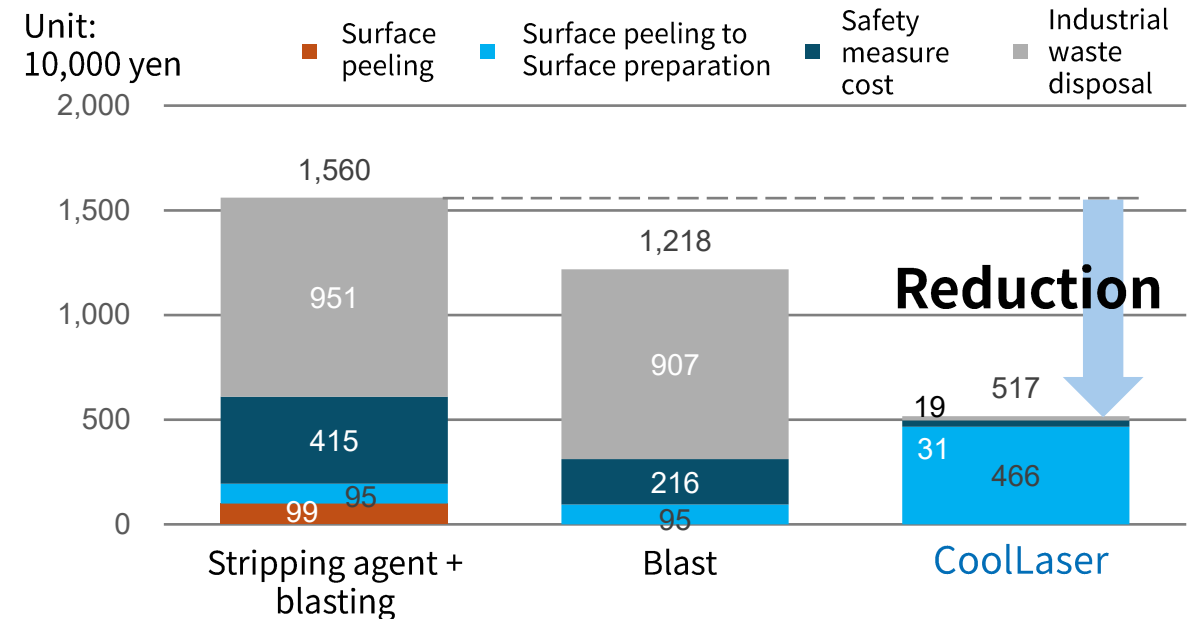
Conventionally, surface preparation required changing equipment for each process, but with CoolLaser, the entire process can be done in one go.

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 Coolaser 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

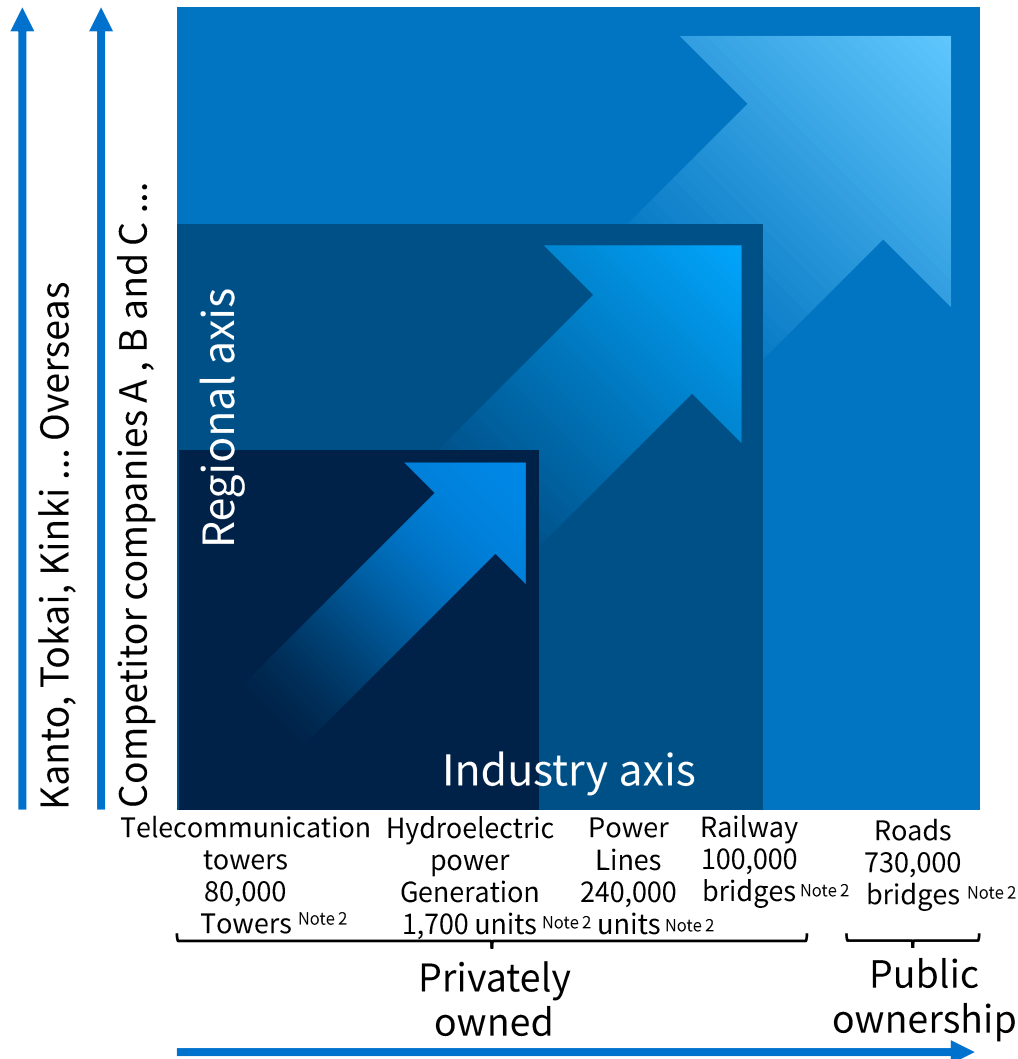
○ Markets where BLAST is used

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

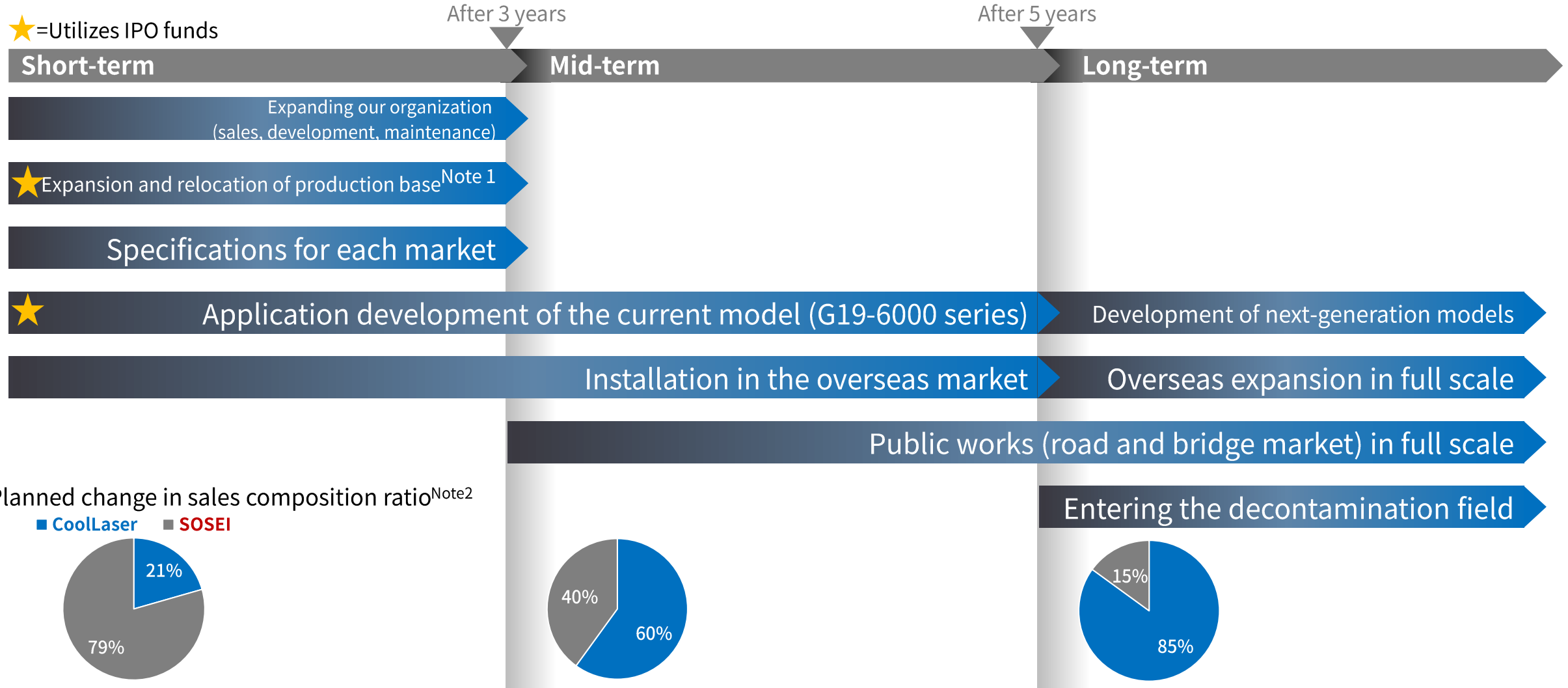
Post-IPO growth strategy

- ✓ 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.

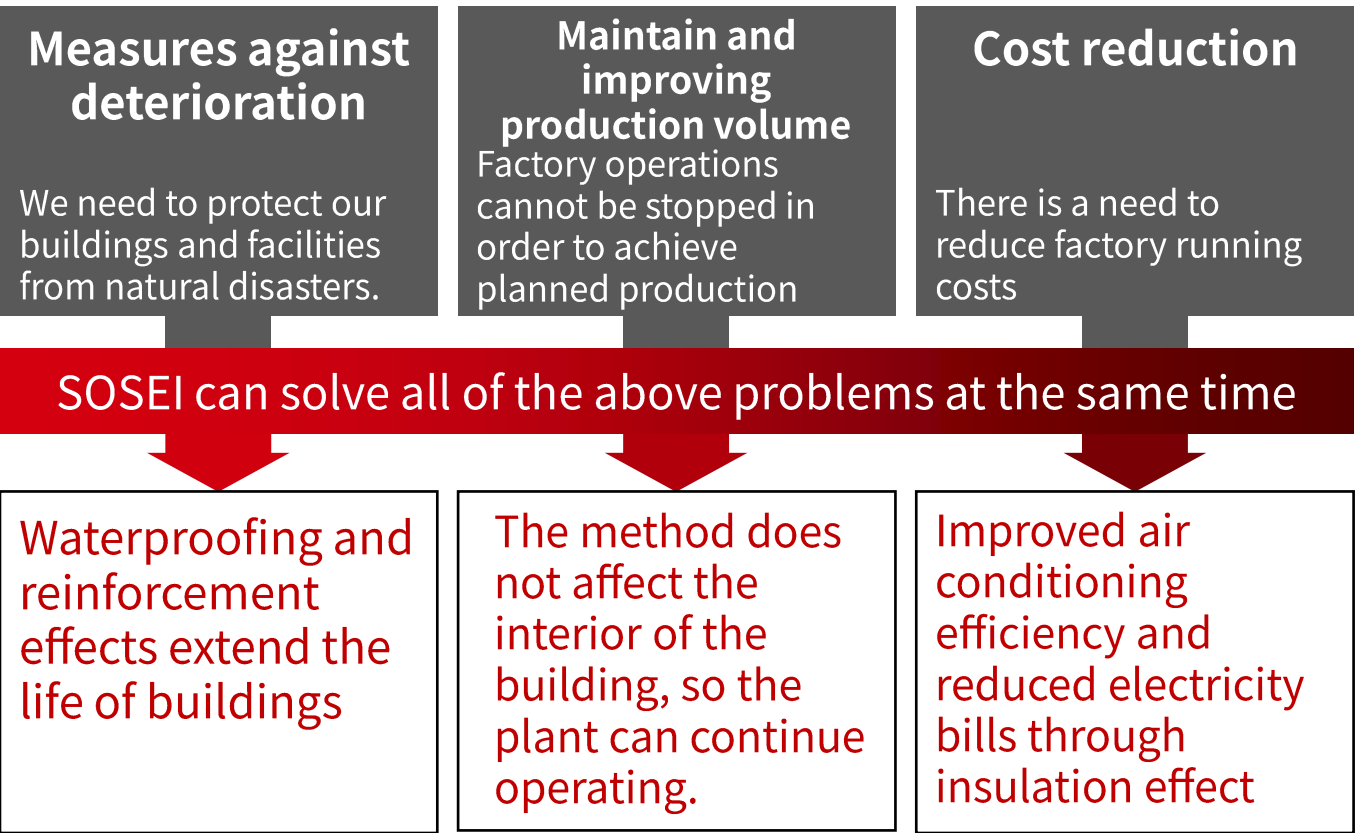
2 : Business Overview and Growth Strategy (SOSEI)



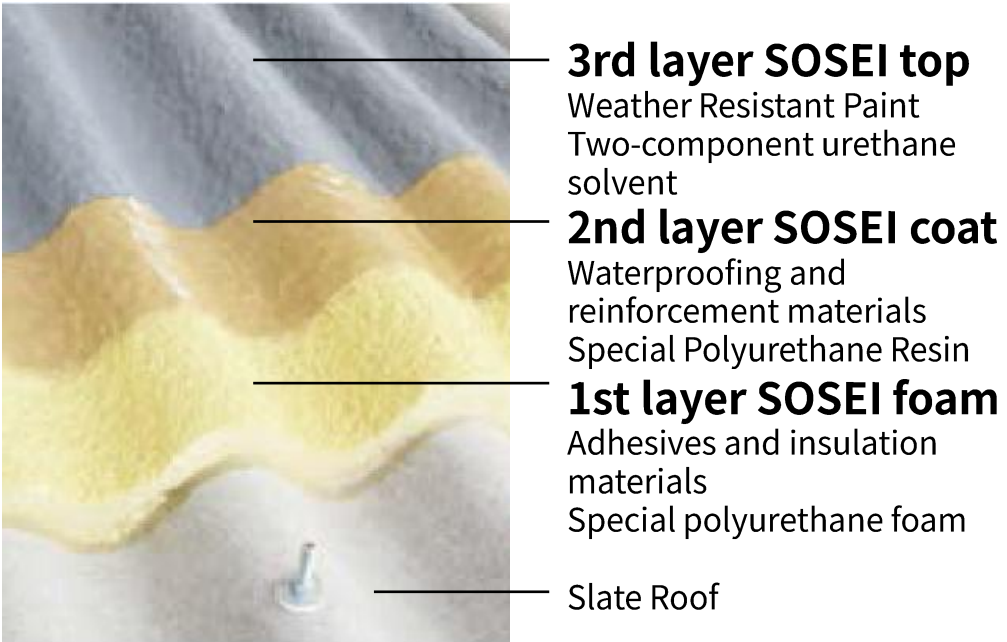
Our proprietary material, SOSEI, solves the problems of aging factories and warehouses and saves energy.

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.

Special heavy rain warning given for Hiroshima, Okayama, and Tottori Prefectures and Tottori. 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.

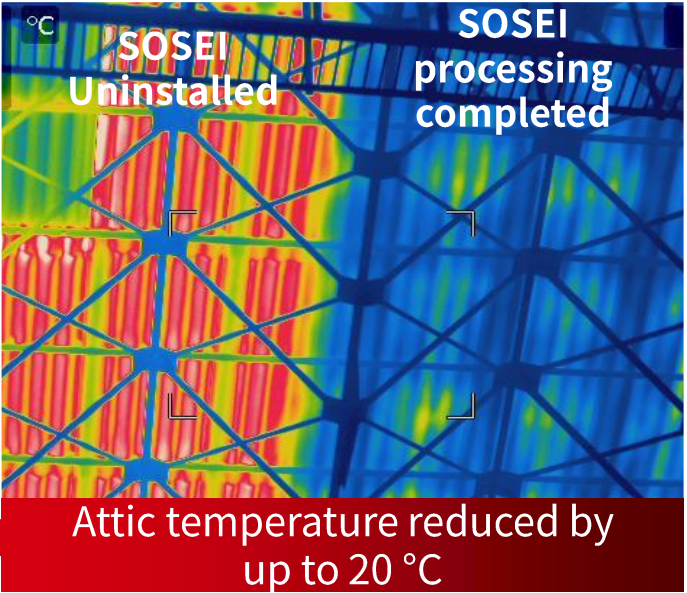
Temperature rise

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



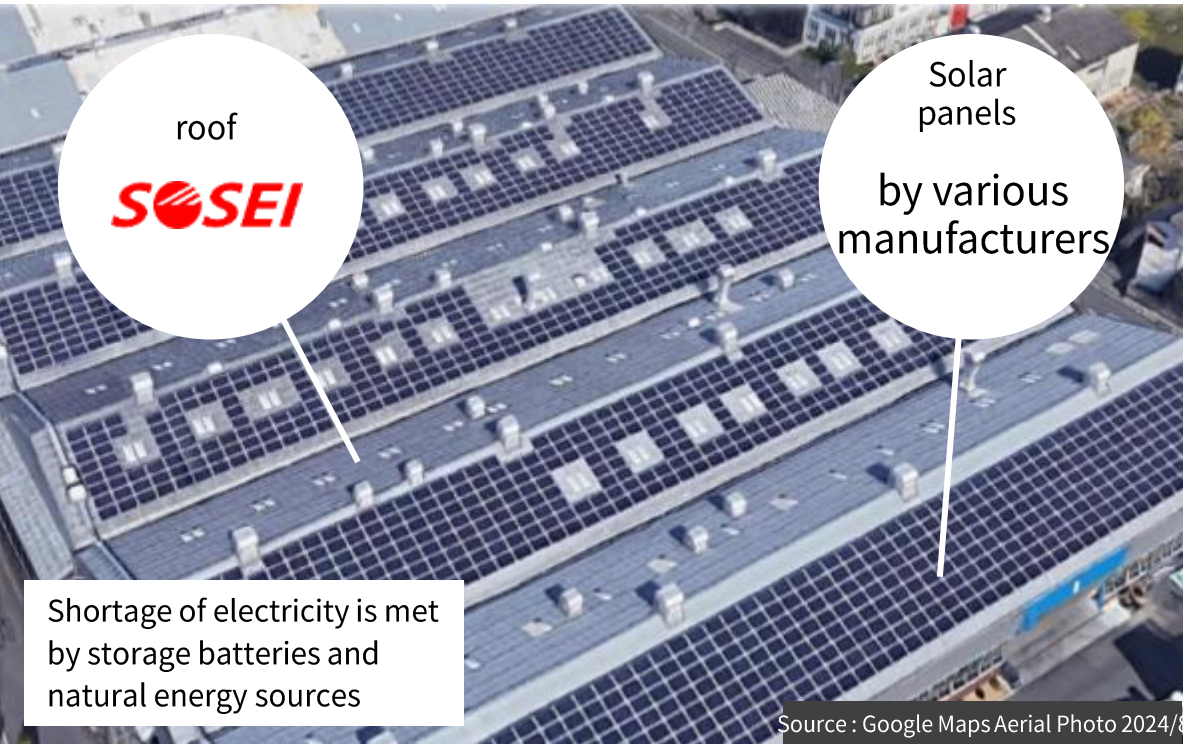
Annual electricity bill **34% reduction**
 Annual CO2 emissions **112t reduction**

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).

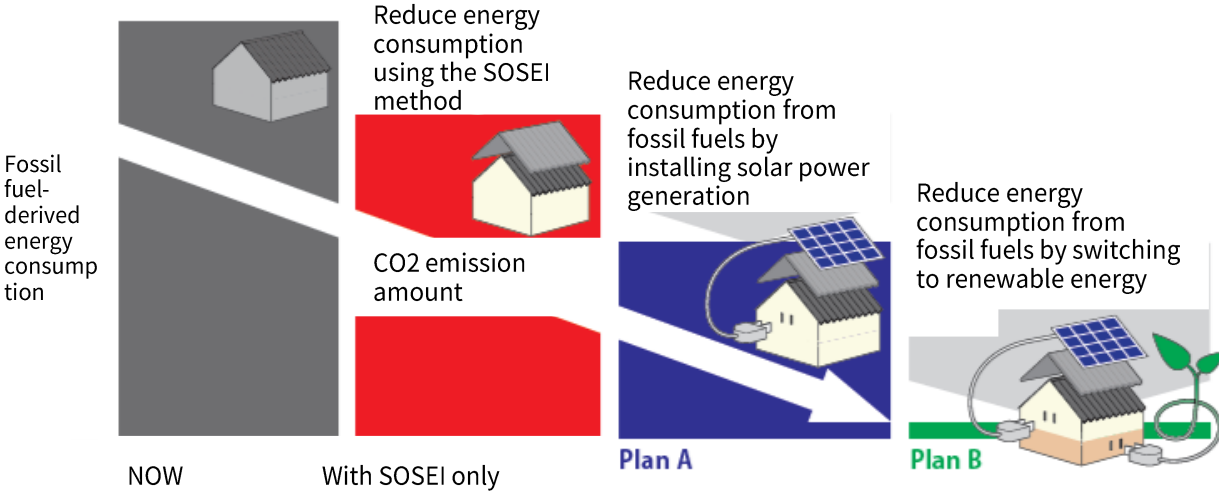
SOSEI can reinforce slate roofs that were deemed too weak to support the installation of solar panels.
It makes it possible to install solar panels will also contribute to achieving zero carbon in factories and warehouses.

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



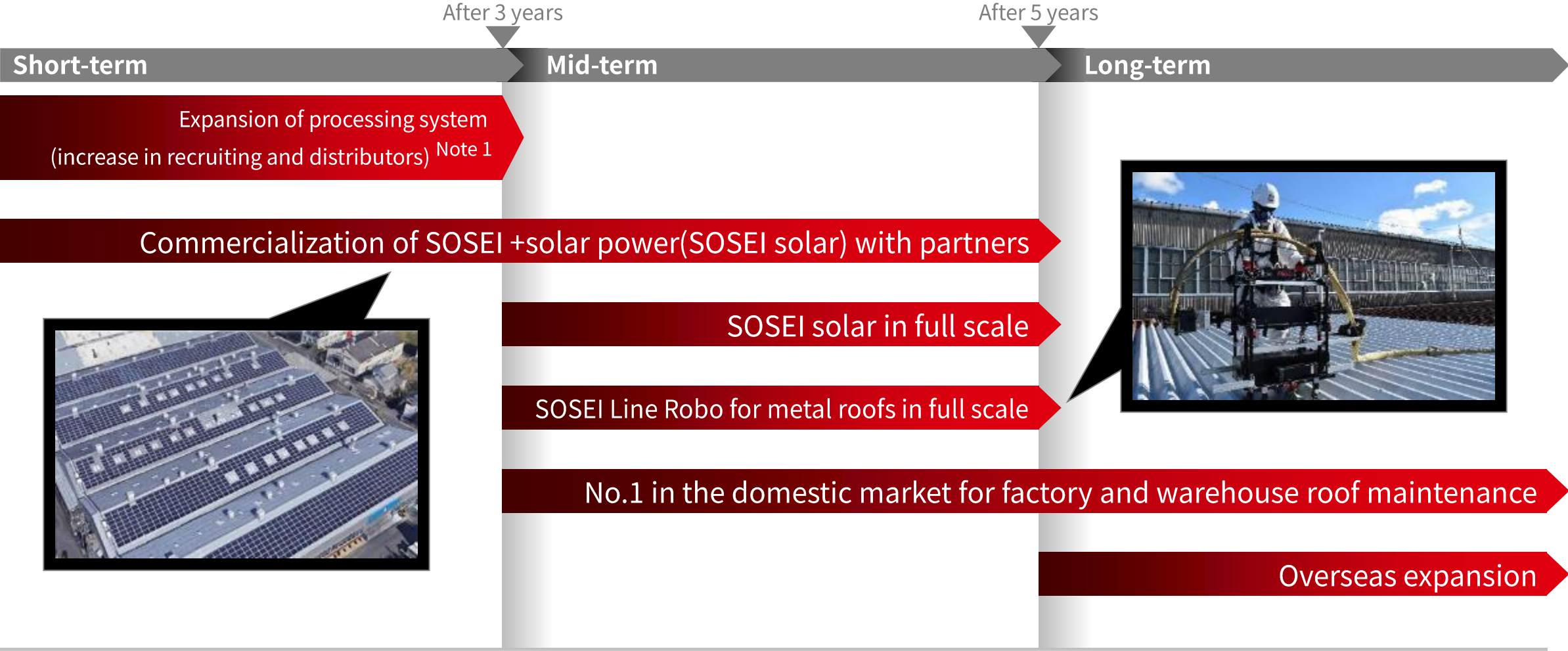
Energy saving Energy Creation Renewable Energy
SOSEI + Solar power generation + Renewable energy switching

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 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

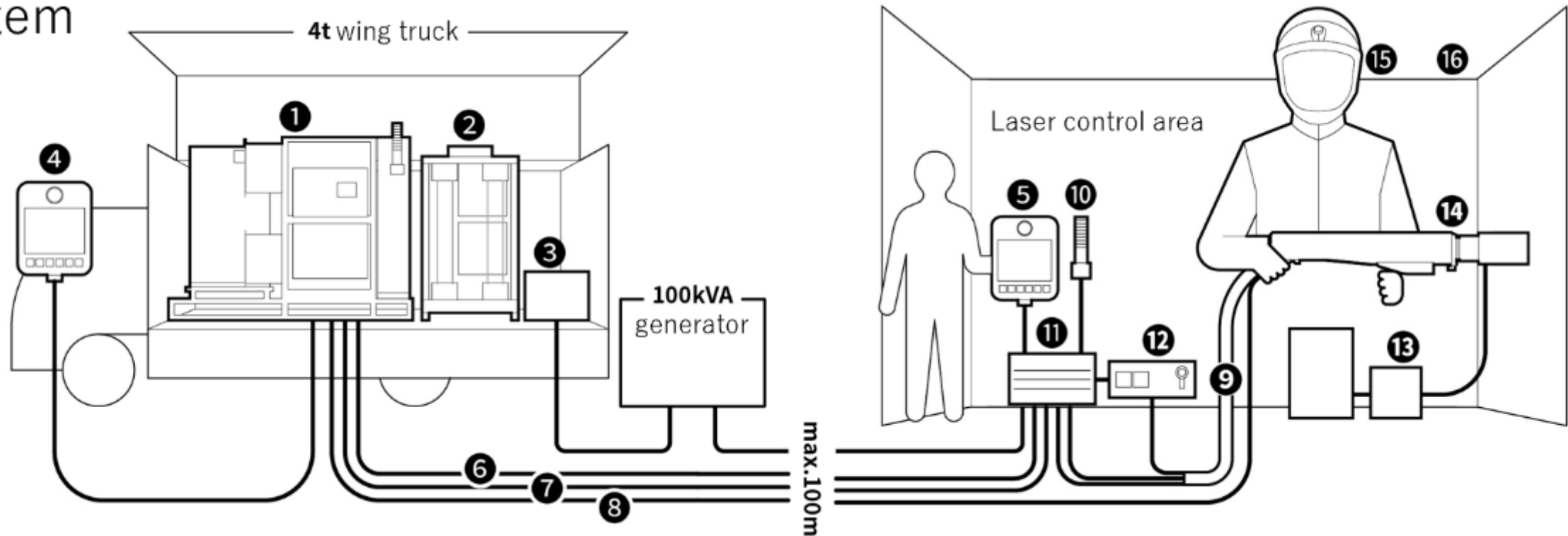
Qualified Person Increase in people seeking qualifications It will lead to attracting maintenance workers



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	130 companies *As of the end of April 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)
	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. 45

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