

Heat in Heart

CORPORATE GUIDE 会社案内(英語版)

Showa Manufacturing's sincere passion for manufacturing,
born at the time of its founding, is alive in our lives today.

We learn from the knowledge of our predecessors,
nurture new human resources to pass on the power we have
accumulated to the next generation, and contribute to society.

That's the essence of Showa Manufacturing.

Heat in Heart

We will take a new step toward a higher summit with passion in our hearts.

Pioneering with Passion. Responding with Sincerity.

Where people move, heat is generated.

Whether facing an unknown wilderness or a steep mountain ahead,

We muster all our strength to press forward.

The workplace where such people stand burns with passion.

Our history began with a challenge to "thermal" technology.

To understand heat—how to control it, how to harness it.

In this struggle, our own enthusiasm is put to the test.

Along a harsh path that closes the moment it cools,

we have single-mindedly blazed our trail.

“Heat in Heart”

Is there "passion" in the work? Is there "sincerity"?

Facing the mandates of a new era,

we constantly question ourselves as we move forward.

The heart of Showa Manufacturing Co., Ltd. beats hot again today.

Heat in Heart



情熱で拓く。誠実で応える。

人が動けば、熱が生じる。
目の前が未知の荒野でも、険しい山であろうとも、
前に進もうと全力をふり絞る。
そういう人間がいる現場は、熱い。
我々の歴史は「熱」技術への挑戦から始まった。
熱を理解し、いかに制し、活かすか。
問いには己の熱意が試される。
冷めれば閉ざされる厳しい道をただひたむきに切り拓いてきた。
“Heat in Heart”
その仕事に「情熱」は在るか。「誠実」で在るか。
新たな時代の命題を前に我々は自問自答を繰り返し、前に進む。
昭和鉄工の鼓動は、今日も熱い。

The DNA of Showa Manufacturing— our passionate commitment to manufacturing empowers the realization of a better future.

Today, the world is undergoing a major turning point. We have entered an era where sustainable initiatives that contribute to environmental protection and social contribution serve as indicators of corporate value and growth, prompting us to consider and sustain the future on a global scale.

To fulfill this responsibility, our company is actively tackling various challenges. In our core hot water supply and air conditioning equipment business, we are continuously refining our systems for greater energy savings and higher efficiency. In particular, our outdoor air handling unit, which won the highest award at the Energy Conservation Grand Prize, has leveraged innovative technology to resolve air conditioning challenges—including virus countermeasures—earning high acclaim from various sectors. Furthermore, we have launched a service that utilizes IoT and ICT to monitor and analyze product operational data, leveraging it to propose further energy-saving solutions, thereby powerfully driving the digital transformation (DX) of our operations. We are also focusing on technological developments that enhance sustainability, including landscape products designed from the perspectives of disaster prevention, mitigation, and lifecycle costs, as well as electric heaters for the automotive and IT industries. Showa Manufacturing's history of over 140 years since its founding is the result of each and every employee leveraging their individual capabilities and uniting their strengths. While we face various difficult challenges such as environmental issues and a declining birthrate coupled with an aging population, now is the time to bring together our “Heat in Heart”—our passionate dedication to manufacturing—and take a new step forward toward a better future. Aiming for an even higher peak to become a manufacturer that leads the next generation, Showa Manufacturing will continue to embrace new challenges—aiming for an even higher peak as a manufacturer that leads the next generation, and striving to realize a healthy, safe, and comfortable society.

President and Representative Director

Hiroaki Hino



Genealogy of Technology and Business

Dating back to our foundation in 1883 (Meiji 16), the history of Showa Manufacturing is a journey of continuous challenges—closely observing shifting eras while anticipating the needs of the next.

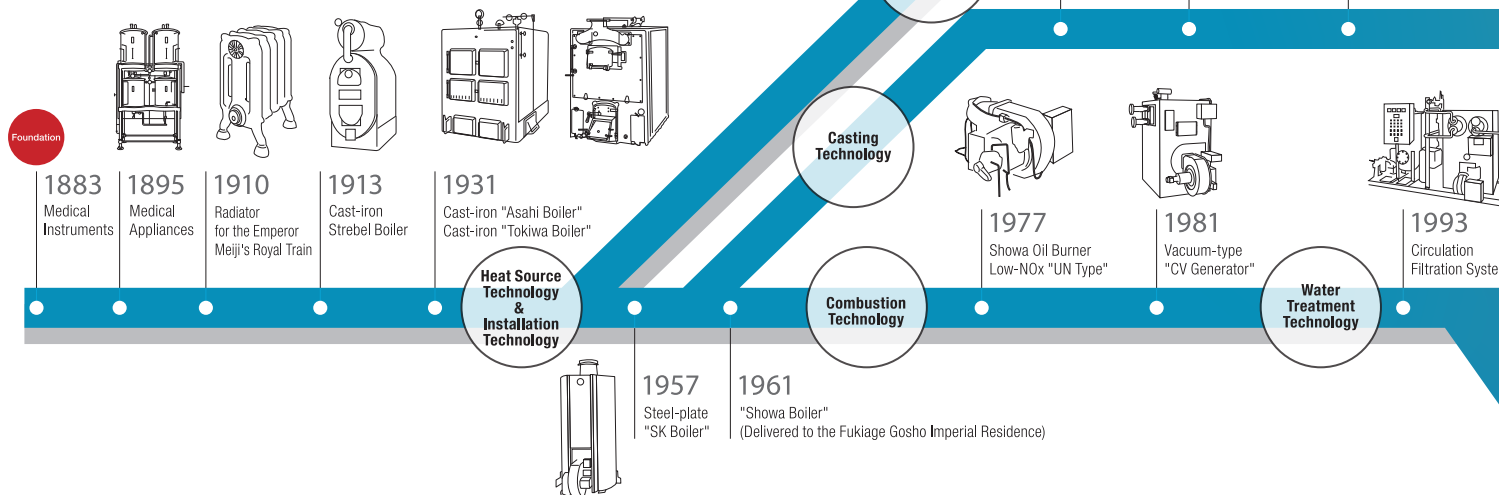
Our technology for manipulating "heat," which began with medical appliances in our early years, was successfully passed down to heating and hot water supply equipment.

Since then, much like branches spreading from a strong tree trunk,

we have expanded our technologies and product lines, building deep trust in each business field.

Never resting on our past achievements,

our quest for new leaps forward will continue into the future.



Historic Heritages

Among the products manufactured by our company over our journey of more than 140 years, some have come to be recognized for their significant historical value over time.

Here, we introduce a selection of Showa Manufacturing's proud heritage.

Cast-iron Radiator for the Emperor Meiji's Royal Train, Imperial Carriage No. 6



Although a true symbol of our long history and technical prowess, we only possessed two identical models within the company and had long been unable to locate the actual original. However, a 2018 survey conducted with the cooperation of the Museum Meiji-Mura (Inuyama City, Aichi Prefecture) successfully confirmed its existence.

Note: While not normally open for public viewing at Meiji-Mura, an identical model is on display at our company gallery.



The identical model remaining in our company

In Imperial Carriage No. 6—the passenger car of Emperor Meiji's Royal Train preserved and exhibited at the Museum Meiji-Mura in Aichi Prefecture—the cast-iron radiator delivered in 1910 (Meiji 43) by our predecessor, "Saitow Seisakusho," still remains today. The "SAITOW'S PATENT" inscription engraved on the front represents our immense pride as one of the few domestic radiator manufacturers at a time when imported industrial goods reigned supreme. The gold-colored chrysanthemum crest and the engraved floral patterns, said to be designed by founder Hajime Saito himself, remain vibrant today, preserved in a pristine state that belies the passage of over a century. This heating appliance holds its own even among the carriage's luxurious interior, which gathered the finest arts and crafts of the era. It was certified as a Building Services Engineering Heritage item in FY2020, recognized as a crucial achievement in the progress and development of architectural equipment technology.



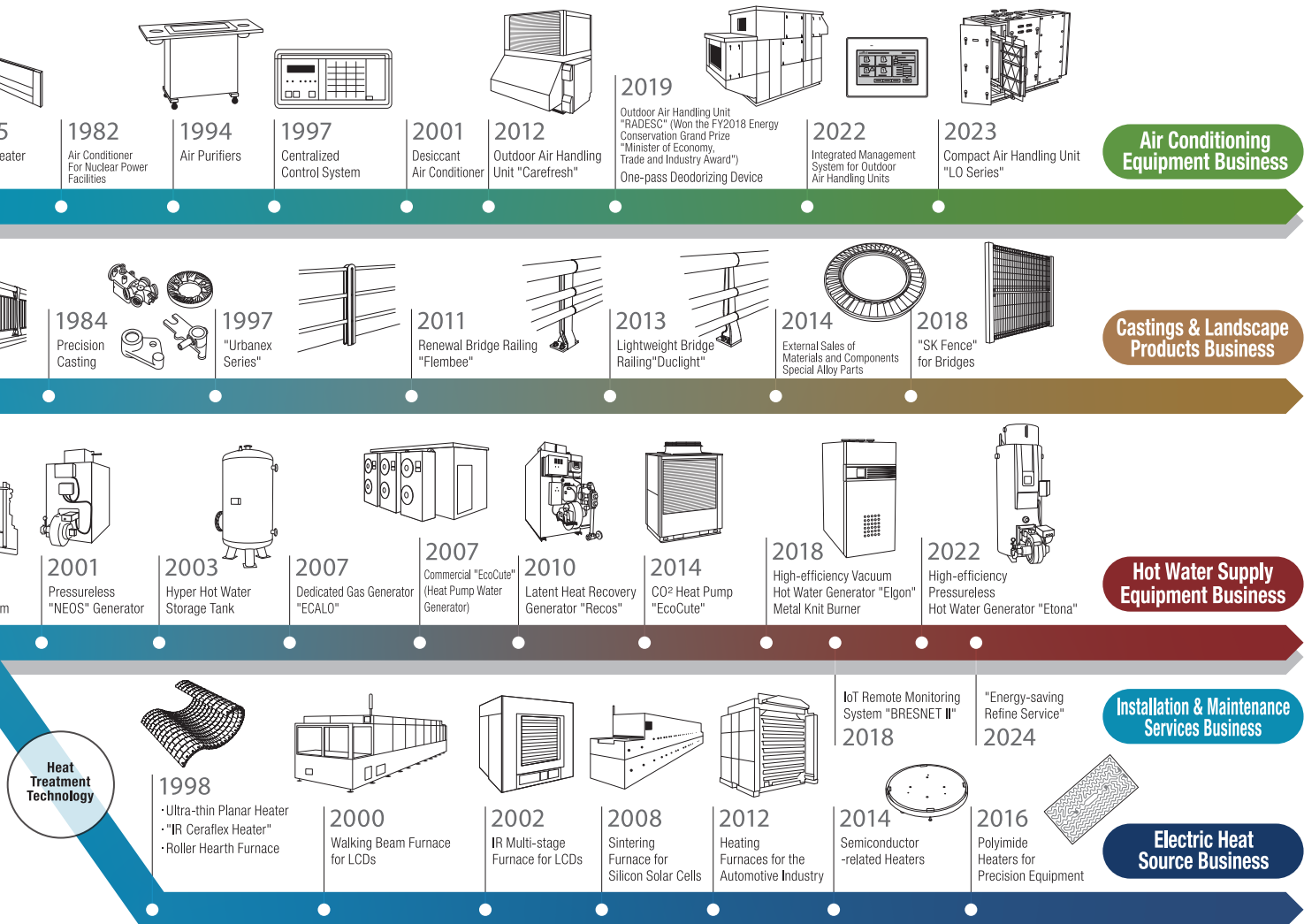
Imperial Carriage No. 6 photographed during the Showa era



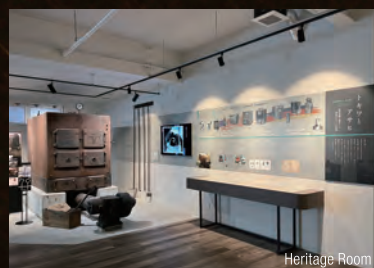
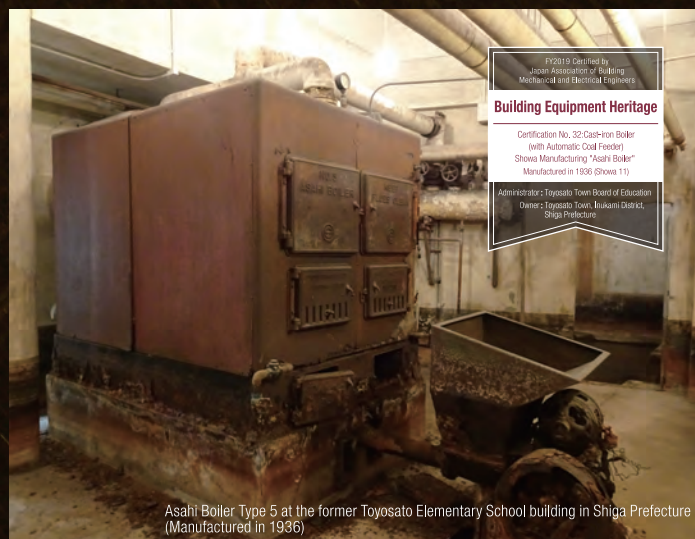
Founder: Hajime Saito

WEB SITE ▼





Early Showa Era Coal-fired Cast-iron Boiler Remaining in a Historic Elementary School



At the "Former Toyosato Elementary School Buildings"—a Registered Tangible Cultural Property of Japan located in Toyosato Town, Shiga Prefecture—our Asahi Boiler, manufactured in the early Showa era, still remains intact today. We were also able to retrieve an Asahi Boiler from Seishin Elementary School and a Tokiwa Boiler from Shindo Elementary School (both in Kyoto City) from the same era during facility renovations and dismantling. These units have been relocated and are now open to the public in our specially curated Heritage Room. Every single one of these units miraculously survived wartime metal requisitions and building demolitions. The Tokiwa and Asahi boilers are celebrated not only as milestone products that fulfilled our long-held aspiration to commercialize mass-produced domestic boilers, but also as invaluable treasures in the history of Japan's modernization.

Note: The boiler at the former Toyosato Elementary School was certified as a Building Services Engineering Heritage item in 2019.
Note: The retrieved boilers from Seishin Elementary School and Shindo Elementary School are preserved and displayed in our Heritage Room alongside the royal train radiator.

Virtual Heritage Room



A man wearing a dark hard hat with a logo, a light-colored long-sleeved shirt, and a brown leather tool bag slung over his shoulder. He is standing in a dark industrial setting, possibly a factory, with his arms crossed. Behind him is a large, dark metal structure with a circular opening. The lighting is dramatic, highlighting the man's face and the texture of his clothing.

The burning passion of the
manufacturing floor—
carried with tradition into the future.

Heat in Core

Equipment and machinery that control heat with pinpoint precision.

They are the crystallization of human wisdom,

Harnessing advanced technology.

Here, to create a comfortable environment,

Undeterred by the dripping sweat,

Stand those who ceaselessly aim for even greater heights.

Even within our advanced heat source products,

Which evolve remarkably with the rise of IT and AI,

The soul of their uncompromising craftsmanship

—That is to say, our "tradition"—breathes deeply.

Traditional Core Technologies Continuously Evolving on a Foundation of Long-standing Refinement

The history of Showa Manufacturing opened as a pioneer of domestic water heating and space heating equipment. Our heat source technology, which has etched its name into the history of modern Japanese industry, has evolved continuously across five eras from Meiji to Reiwa.

Today, we offer an extensive lineup of highly reliable boilers and hot water generators, energy-saving EcoCute units, and peripheral equipment such as water storage tanks and filtration systems, further enhancing our capacity to deliver solutions as a comprehensive hot water system manufacturer.

We will continue to shape the times ahead by integrating cutting-edge technologies with fresh, innovative ideas.



Boilers & Hot Water Generators

We comprehensively develop boiler vessels, burners, and control devices in-house. We offer a diverse array of boilers and hot water generators with varying operating pressures, fuels (gas/oil), outputs, and efficiencies. In response to modern needs, we have focused heavily in recent years on boosting energy savings and environmental performance. Our latest models feature optimized internal structures that enhance the efficiency of our hot water generators while achieving lower NOx emissions and reduced noise levels.



Peripheral Hot Water Supply Equipment (Storage Tanks, Filtration Systems, etc.)

Our lineup includes the "Hyper Hot Water Storage Tank," which enables space-saving, efficient hot water supply through a breakthrough "stratified fluid boundary storage method" that prevents hot and cold water from mixing, and the "Circulation Filtration System," which automates the disinfection of filters and piping to reduce administrative and operational costs. These peripheral systems boost the efficiency of boilers and hot water generators while safeguarding hygiene, allowing us to optimize the entire hot water supply system.

密閉式大容量給湯循環システム採用! SHOWA 業務用 **エコキュート**



Commercial EcoCute (Heat Pump Water Generators)

These are commercial, energy-efficient water generators that use electricity as their energy source to heat water by extracting heat from the ambient air. Our original system, combining an in-house heat pump with our Hyper Hot Water Storage Tank, achieves industry-leading annual heating efficiency. Leveraging our comprehensive capabilities, we also offer a highly regarded hybrid system that combines the EcoCute with a hot water generators.

Note 1 : "EcoCute" is a heat pump that uses CO₂ as a refrigerant.

Note 2 : "EcoCute" is a registered trademark of The Kansai Electric Power Co., Inc.

Fusion of Traditional Heat Source Technology and Digital / Information Technology

All models of our boilers and hot water generators come standard with multi-functional controllers. In addition to a variety of automatic control functions that ensure safety, the system performs energy-saving diagnostics through data accumulation and analysis via IoT/ICT, optimizing operations to fit each facility. To meet the demands of a new era, we will continue to drive the integration of thermal equipment with digital and information technologies.



Diverse Control Operations
& Visualization of
Current Status/Performance

Energy-saving Diagnostics Based
on Operational Performance

Optimization of Operations

製造現場の熱き想い、
伝統とともに未来へ。

熱を精確にコントロールする設備や機械。
それは高度な技術を駆使し得る人類の知恵の
結晶だ。ここに、快適な環境づくりのため、
したたる汗をものともせず
さらなる高みを目指す者たちがいる。
ITやAIが登場し、めざましい進化を遂げる先進
の熱源製品にもまた妥協なきものづくりに取り
組む彼らの想い、
つまり「伝統」が息づいている。

長きにわたる研鑽を
礎に進化を続ける
伝統のコア技術

国産の給湯・暖房用熱源機器のバイオニアとして
幕を開けた昭和鉄工の歴史。
日本近代工業史に名を刻むその熱源技術は、
明治から令和に至る5つの時代を通じて絶えず
進化を遂げてきました。
現在は信頼性の高い多様なボイラー・温水ヒー
ターをはじめ、省エネを追求したエコキュート、
そして貯湯槽・ろ過装置等の周辺設備も充実させ、
総合給湯設備メーカーとしての提案力をますます
高めています。
これからも新たな発想で先端の技術を取り入れ
ながら、時代を創っていきます。

A photograph of four young engineers, three men and one woman, standing in front of a large industrial unit, likely an air conditioning system. They are all wearing white shirts and dark trousers, with blue lanyards around their necks. The man on the far left is wearing glasses and holding a tablet. The woman in the center is smiling. The man next to her is covering his mouth with his hand, looking amused. The man on the far right is also smiling. The background shows the complex internal components of the industrial unit under a clear blue sky.

Innovative technology from Fukuoka.
The insatiable challenge of young engineers.

Heat in Challenge

They say adversity tests a person.

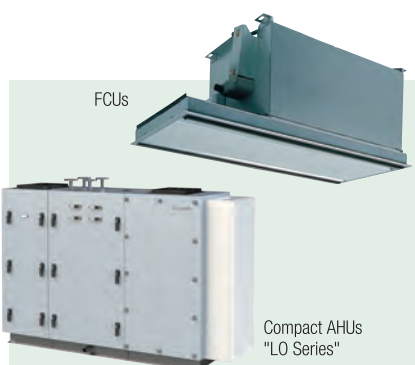
In an air conditioning industry dominated by giant corporations,
How could SHOWA confront the pressing issue of environmental problems
and break through—? Faced with this monumental task, a development project by
our air conditioning design team was set in motion. Trusting one another, the team
members engaged in fierce and passionate debates day after day,
Breathing a new philosophy into the heat recovery technology passed down to them.
And finally, we won it. The ultimate performance, and the highest honor.
Adversity is the spring for a great leap forward.
We are the ones who will build the new pillar for the next generation.

Continuously Responding to Modern Needs, from Energy Savings to Health and Hygiene Measures

Our Air Conditioning Equipment Business creates comfortable air environments built on three pillars: "indoor temperature and humidity adjustment," "outdoor air handling during ventilation," and "air purification." Combining traditional heat exchange technology with aggressively integrated new heat recovery techniques, we consistently adapt to shifting market demands. Amidst growing demands for environmental footprint reduction, Showa Manufacturing's energy-efficient outdoor air handling units utilizing heat pumps have won high acclaim, notably "RADESC," which garnered the top award at the FY2018 Energy Conservation Grand Prize. As the importance of the "indoor air environment" undergoes widespread reassessment today, our features continue to evolve even further.



[Examples of Facilities Delivered]
JR Hakata Station / Hiroshima Peace Memorial Museum



FCUs / AHUs / Heating Radiators

Since launching sales in 1957, we have developed and manufactured air conditioning products over many decades. For Fan Coil Units (FCUs), we supply a versatile lineup powered by traditional heat exchange technology, matching indoor installation environments from under-floor to behind-the-ceiling spaces. For Air Handling Units (AHUs), we offer one-of-a-kind, custom-made fabrication to satisfy diverse needs, ranging from compact types ideal for high-rise buildings to specific facility applications. Additionally, dedicated heating equipment such as panel heaters and radiators are manufactured at our Sapporo Plant.



Outdoor Air Handling Units

Outdoor air handling units solve air environment challenges that standard air conditioners alone cannot address. The importance of "ventilation" has surged further due to infection control measures and other concerns. We develop products and control systems that combine energy-saving heat pumps with various heat recovery technologies. Among them, "RADESC" received high praise for its ingenious dehumidification method and high-efficiency performance, winning the Minister of Economy, Trade and Industry Award at the FY2018 Energy Conservation Grand Prize, and is highly anticipated for enabling comfortable Cool Biz practices and ZEB (Net Zero Energy Building) applications.



Heat Pump Return-Air Desiccant Outdoor Air Handling Unit "RADESC"



Air Purifiers

Maintaining a healthy air environment within highly airtight modern architectural spaces is another critical theme. We have manufactured electronic dust-collecting air purifiers for many years, dedicating ourselves to providing comfortable air environments. In recent years, we have also developed products for smoking rooms to prevent unwanted secondhand smoke, achieving superb deodorization efficiency. Moving forward, we expect to make great leaps as we develop new technologies that deliver safe and secure air environments.



革新の技術を福岡から。 若きエンジニア達の飽く無き挑戦。

逆境は人を試すという。
巨大企業が席巻する空調業界にあって
環境問題という切迫した課題に對峙し、
SHOWAが突破口を開くにはどうすればいいか――。
難題を前に、空調設計チームによる開発プロジェクトが始まった。
信頼し合うメンバー同士、厳しく熱い討議を重ね、
受け継いできた熱回収技術に新たな思想を吹きこむ日々。
そして遂に、我々は勝ち取った。最高の性能と、栄誉を。
逆境は飛躍のバネでもある。次代の新たな柱を築くのは、我々だ。

省エネから健康・衛生対策まで 時代のニーズに応え続ける

「室内の温湿度調整」「換気時の外気処理」そして「空気清浄」、
3つの柱で快適な空気環境を創造している空調機器事業。
伝統の熱交換技術に加え、新たな熱回収技術を積極的に取り入れて、
常に化する市場に対応しています。特に環境への負荷軽減が望まれる中、
2018年度に省エネ大賞最高賞に輝いた「ラデック」をはじめ、
ヒートポンプを用いた昭和鉄工の省エネ外気処理機は高い評価を獲得。
「室内空気環境」の重要性が見直される昨今、機能はさらに進化を続けています。

A photograph of four male workers standing in a row in a factory setting. They are wearing dark blue uniforms with "SHOWA" written on the chest and dark blue helmets with a white circular logo. The background shows industrial equipment and large windows.

We stand on the frontline,
safeguarding trust.

Heat in Team

No matter how excellent a machine may be, unexpected malfunctions can occur.

The calls we receive are signals of an SOS.

Coordinating swiftly with our team, we rush to the site.

With every trouble solved, we understand our products that much deeper.

And my senior colleagues taught me
that this is how we realize just how much people rely on us.

The more difficult the case we overcome, the stronger we become.

A fighting spirit wells up.

The trust in SHOWA—we are the ones who protect it.

People, Technology, and a Proven Track Record: Winning "Trust" on the Frontline

Showa Manufacturing has steadily built trust with our customers since our founding. On the frontlines stand our highly energetic service technicians, supporting the safe operation and quality control of our products while channeling valuable feedback into future proposals and product development. Our strengths lie in a nationwide network integrated with IoT technology, paired with a swift and precise response. Through a diverse range of refine services, we pursue equipment optimization that delivers peace of mind and tangible benefits to our clients.

Providing Stable Maintenance Services

Accurately tracking, monitoring everyday operational status, and performing preventive maintenance leads to enhanced operating efficiency and reduces burdens during sudden breakdowns. We highly recommend our manufacturer maintenance contracts so that customers can use our products with long-term peace of mind. Medium- to long-term maintenance conducted by dedicated service technicians is also crucial for correctly understanding customer needs. We respond to customer trust and expectations with swift and dependable service.

Remote Surveillance Service "BRESNET II"

Our heat source equipment, such as boilers and hot water generators, can be monitored remotely thanks to integrated IoT technology. If an abnormality occurs, an alert is sent directly over the internet to our monitoring center and the maintenance manager's PC or smartphone, allowing us to initiate initial action even before the customer notices. The monitoring center also manages data accumulated on our servers and analyzes changes in operational states to prevent trouble before it happens. We will continue to expand services that utilize IoT, ICT, and related technologies.

信頼の最前線は、
我々が守っている。

どれだけ優れた機械にも予期せぬ不具合は起こる。
我々に入る連絡は、SOSのサイン。
仲間と連携を取り、迅速に現場へ向かう。
トラブルを解決した数だけ製品を深く理解できる。
そして、どれだけ頼りにされているかが分かると
先輩は教えてくれた。乗り越える案件が困難な
ほど、強くなる。闘志が湧く。
SHOWAの信頼は、我々が守っている。



人と、技術と、確かな実績。
最前線で勝ち取る「信頼」

創業以来、お客様からの信頼を積み重ねてきた昭和鉄工。
その最前線には、自社製品の安全稼働や品質管理を支え、次のご提案や開発のフィードバックにつなげる、バイタリティあふれるサービスマンの活躍があります。
全国に広がるネットワークにIoTを連動させた技術とスピーディかつ的確な対応が私達の強み。多岐にわたるリファインサービスを通して、お客様の安心とメリットにつながる機器最適化を追求します。

Inter-departmental Collaboration and Building a Nationwide Network

By integrating our sales and service divisions, we have strengthened our collaborative framework, sharing information closely to satisfy customer requests at an exceptionally high level. We also collaborate with engineering, manufacturing, and quality assurance departments to actively integrate the "voice of the customer" into design and production. Furthermore, we dedicate ourselves to training specialized engineers for our products, building a reliable nationwide network alongside our partner companies.



In 2024, we launched "Energy-saving Refine," our original manufacturer service designed to optimize equipment through wide-ranging proposals and specialized maintenance.



SHOWA Service Network

■ Major Manufacturer Bases : 10 locations nationwide
■ Service Outlets : Over 60 locations nationwide

A male technician wearing a white lab coat, a white surgical cap, and a white face mask is working in a cleanroom. He is wearing white gloves and holding a small, handheld device with a blue screen. He is looking down at a circular, reflective surface, possibly a microchip or a lens, which is mounted on a stand. The background is a cleanroom environment with various pieces of equipment and a bright, blue-tinted light.

Generating macro possibilities
from a micro world.

Heat in Micro

A cleanroom that shuts out the clamor of the outside world.

The focus of intense gazes is a world of a mere few microns.

Cutting-edge heating elements fabricated with the latest micro-machining technology

Support today's sophisticated, complex lifestyles and industrial floors—

Lighter, thinner, faster, and in countless configurations.

The dimensions are micro, but the scale is macro.

Armed with infinite possibilities right now, we are forging a brand-new era.

Heating Devices Supporting Advanced Industries and Expanding into Global Markets

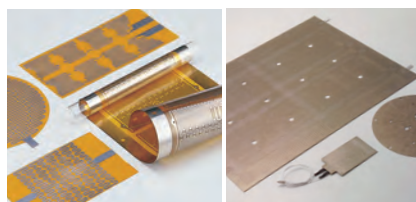
From stainless steel foil heaters just 30 microns thick to Ceraflex heaters that adapt to flexible geometries, our high-performance electric heaters offer supreme temperature control. They are actively adopted in appliances undergoing miniaturization, thinning, and energy-optimization, as well as in heat treatment equipment for cutting-edge industries like IT and automotive.

In particular, the electric furnaces for which we handle everything from structural design to fabrication accommodate various shapes (single-wafer, tunnel, box, crucible types), wide temperature ranges, controlled residual oxygen concentrations, and ultra-clean environments. Showa Manufacturing boasts an industry-leading track record, and demand continues to surge across global markets.



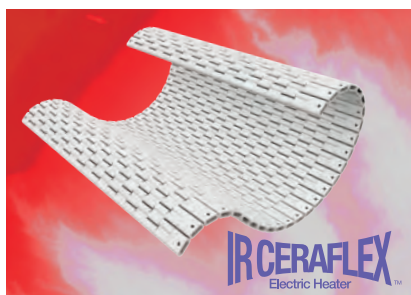
Stainless Steel Foil Heaters

Measuring just 30 μm thick, this ultra-thin heating element uses a proprietary, specially developed stainless steel foil as its base substrate. It features a large heating surface area and magnificent thermal efficiency, highlighted by a low thermal capacity that enables rapid heating and cooling cycles. Modifying the heating layout pattern allows precise control over temperature distribution, and combining it with various insulating materials allows wide deployment ranging from home appliances to heat-treatment furnaces.



Polyimide Heaters

Mica Heaters



IR Ceraflex Heaters

These far-infrared heaters consist of heating wires braided through ceramic insulators boasting high far-infrared radiation characteristics. They feature flexible sizing and shapes that leverage the adaptability of their braided structure. Capable of withstanding temperatures up to 1000°C, they offer outstanding durability. Compared to conventional coiled heaters, they offer a longer service life, exhibit minimal heat loss, and provide excellent energy efficiency, leading to their widespread adoption as heat sources for high-temperature heat treatment furnaces handling metals, glass, resins, and other materials.



Inside the Furnace

Walking Beam Continuous Furnace



Electric Furnace for Solar Panels

Electric Furnaces for Heat Treatment

Our electric furnaces are employed in heat treatments ranging from LCD and OLED displays to high-tensile steel plates, offering infinite possibilities for application. We select, propose, and design optimal electric furnaces tailored to specific "heating methods," "product shapes," and "temperatures." The electric furnaces we design and build in-house are highly active across various industries, including the IT and automotive sectors, and operate in numerous factories overseas.



Roller Hearth Furnace

ミクロな世界からマクロな可能性を生む。

外界の喧騒を遮るクリーンルーム。
集中する視線の先は、わずか数ミクロンの世界。
最新の微細加工技術で造る最先端の発熱体は、
高度で複雑な現代の暮らしや製造現場を
より軽く、より薄く、より速く、様々な形で支えている。
サイズはミクロだが、スケールはマクロ。
まさに今、無限の可能性を手に、我々は新しい時代を創っている。

先端産業を支え世界市場で展開する発熱デバイス

厚さわずか30ミクロンのステンレス箔ヒーターや
フレキシブルな形状に対応するセラフレックスヒーター。
温度コントロールに優れた高性能電気ヒーターは、小型化・薄型化・省エネ化が進む電化製品や、
IT・自動車等先端産業の熱処理設備などに積極的に採用されています。
特に本体設計・製造まで手がける電気炉は様々な形状(枚葉型・トンネル型・箱型・ルツボ型)、
様々な温度、残留酸素濃度、ハイクリーンに対応しています。
昭和鉄工の実績は業界トップクラスを誇り、需要は世界市場で広がり続けています。



As pioneers of modern industrial casting
—be calm, yet burn hot.

Heat in Tradition

The bubbling and churning sounds of the blast furnace, the bursting sparks.

The thickly melted metal, brimming with ferocious heat, resembles a wild beast.

The humans who handle it must never lose their composure.

Never letting down their guard, maintaining total coolness,

They sublimate the untamed life of the metal into forms of enduring value.

Our traditional casting technology has been handed down through
the generations in this exact way.

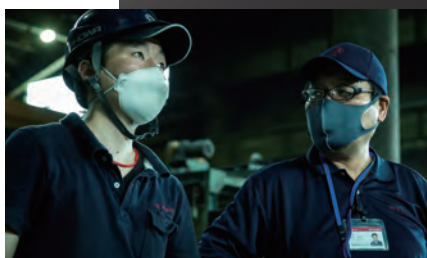
Together with the quietly burning soul of the artisans.

Castings Business

Unwavering Quality Validated by Numerous Historical Heritages

Advanced casting technology cultivated over a long history since our founding in the Meiji era. Harnessing this expertise, Showa Manufacturing engages in a broad manufacturing enterprise—ranging from proprietary products like boilers and landscape items to diverse externally sold components like industrial machinery parts.

Equipped with inherited traditional sand casting, market-expanding precision casting, and the latest processing and inspection utilities to back them up, we accommodate complex and highly demanding geometries. The definite quality and reliability of the cast products into which our artisans pour their souls are validated by numerous historical artifacts that have transcended generations and remain across the nation today.



Sand Casting

This is our native technology, used since our founding to manufacture in-house products like radiators and boilers. It allows for single-unit castings weighing up to 700 kg. In addition to ductile cast iron, it accommodates specialized materials such as heat-, wear-, and corrosion-resistant steels, as well as nickel- and cobalt-based alloys. Fusing the highly developed skills of our artisans with current advanced technologies, our sand-cast products are utilized across wide fields, including power generation plants, construction machinery, and marine vessels.



Precision Casting

Investment casting (lost-wax casting) converts a wax prototype into metal. Eliminating the need to account for draft angles or undercuts, it is perfectly suited for casting intricate geometries. Operating a fully integrated line from wax molding to mold fabrication via investment slurry coating, we manufacture a wide variety of precision-cast products for external sale, including massive gas turbine engine components and nuclear reactor parts.

Machining and Inspection Equipment Elevating Casting Quality

We handle everything completely via DNC systems, from mold fabrication using CAD/CAM down to final finishing processing, delivering exceptionally precise cast products. We maintain elite quality through multifaceted inspections using instruments like a universal testing machine boasting a 30-ton maximum load capacity, ultrasonic and X-ray flaw detectors, and 3D coordinate measuring machines, satisfying the trust of our clients.

Major Inspection Equipment

- Optical Emission Spectrometer (18 elements)
- Universal Testing Machine (Max load: 30t)
- Carbon Equivalent (CE) Meter
- Metallurgical Microscope
- Stereo Microscope
- Ultrasonic Thickness Gauge
- Digital Microscope
- Precision Universal Profile Projector
- Rockwell Hardness Tester
- Micro Vickers Hardness Tester
- Static Strain Gauge
- Surface Roughness Tester
- Ultrasonic Flaw Detector
- Magnetic Particle Flaw Detector
- X-ray Flaw Detector
- Image Analysis System
- 3D Coordinate Measuring Machine (CMM)



近代工業鑄物の先駆者として 冷静に、熱くあれ。

ポコッ、ポコッと音を立てる溶鉱炉、弾ける火花。
凄まじい熱を溜えドロドロに溶けた金属は猛獣に
似ている。
扱う人間がのほせ上がってはいけぬ。
緊張感を忘れず、あくまでも冷静に、荒ぶる金属の
生命を、価値ある形へと昇華させるのだ。
伝統ある鑄造技術は、こうして代々受け継がれた。
静かに燃える、職人たちの魂とともに。

数々のヘリテージが証明する 不変のクオリティ

明治の創業から長きにわたり培ってきた高度な鑄造
技術。
この技術を駆使し、昭和鉄工はボイラーや景観材等
の自社製品から産業機械部品等の多様な外販製品
まで、幅広い製造事業に取り組んでいます。
受け継がれてきた伝統の砂型鑄造と新たな市場を
開拓する精密鑄造、そしてそれらを支える最新の
加工・検査設備を備え、複雑で難易度の高い形状に
も対応。
職人たちが魂を込めて生み出す鑄造製品の確かな
クオリティと信頼性は、時代を越えて今も全国に
現存する数多くの歴史遺産が証明しています。

A photograph of two men standing on a bridge with a blue metal railing. The man on the left is wearing a white shirt and glasses, leaning on the railing. The man on the right is wearing a grey jacket and holding a color chart. They are both looking at each other. In the background, there are green trees and a red brick building.

The city teaches us
what a design ought to be.

Heat in Design

Things of true beauty are effortless and subtle.
They blend into their surroundings so
completely that people barely notice them—yet there they stand.
Coloring the urban landscape and safeguarding people,
I learned here that superior landscape design lies in its "harmony"
with the town and its people.
That is why I step out into the streets again today,
Walking paths while feeling the wind and the light.
Seeking the hints for truly beautiful design—
Design that stands serenely, unchanged,
No matter how the eras shift — I will follow them anywhere.



Designs Enduring Vividly within Beautiful, Safe Cities

Leveraging the casting skills nurtured through boiler manufacturing, we craft a diverse range of landscape products, including protective guardrails for bridges and streets, street furniture for parks, and decorative architectural metalwork.

Over many years of competing for and winning numerous landscape and Good Design Awards, our design mindset has become deeply matured.

The guardrail products that serve as our current mainstays have earned high praise not only for operational reliability but also for our capacity to propose solutions tailored to customer requests.

They are widely adopted in landmark developments nationwide, becoming part of iconic, memorable sceneries.



Bridge Railing

We design and manufacture protective guardrails for bridges, also referred to as balustrades or parapets. Fabricated under rigorous quality control at a JIS-certified plant, our ductile cast iron products—shaped by traditional casting coupled with cutting-edge machining technology—enjoy outstanding reputations for safety and weather resistance. We also feature steel-constructed models in our lineup, allowing us to propose the ideal model depending on the application, such as new installations or retrofits.



Street Guardrails (Urbanex Series)

Since its launch, the "Urbanex Series" of street guardrails has remained peerless in both design and cost-effectiveness. Developed around the concept of "highly open guardrails that realize open streetscapes," this series won numerous design accolades, including the first-ever Good Design Gold Award for a guardrail product. Its innovative design, adding rich functionality to the traditional medium of cast iron, has won acclaim from architects and urban planners, leading to its widespread adoption in landscape projects across Japan.

1991 Fuku-Haku Promenade, Tenjin / Nakasu District	Urban Landscape Award	1999 Urbanex Guardrail FS Type	Good Design Award
1992 Karatsu City Jonai and Higashi-Karatsu District (Maizuru Bridge)	Urban Landscape Award	1999 Saga Station Suetsugu Line (Kusunoe Bridge) District	Urban Landscape Award
1997 Urbanex FT Type	Good Design Gold Award	2003 Nishi-Nakashima Bridge Landscape Design	Good Design Award
1997 Urbanex SP Series	Good Design Selection	2004 Urbanex Guardrail FF Type	Good Design Award
1998 Urbanex GF Series	Good Design Award	2009 Urbanex FO Type	Fukuoka Industrial Design Incentive Award

Park and Architecture-related Projects

The cast panels covering the grand ceiling of the Tenjin Underground Shopping Mall in Fukuoka City, which opened in 1976, are also our products. Completed by clearing numerous demanding challenges while respecting the visions of the client and designers, this grand ceiling has become one of Fukuoka's prominent symbols. Harnessing this experience, we deploy a wide spectrum of offerings, including architectural metalwork like building facades, as well as street furniture like lighting fixtures and signage for parks and avenues.



Pursuit of Design Excellence

Once installed, the landscape components supplied by our Urban Landscape Business remain in place for decades—or in some cases, over a century—as permanent elements of a city's scenery. As a company bearing responsibility for the future of urban landscapes, we pursue design qualities worthy of the dignity of each town and region.

We believe that our social responsibility is fulfilled only when we deliver designs that not only clear all criteria for strength and safety, but also harmonize beautifully with the local scenery to elevate the charm of the city itself. Furthermore, to ensure our standards of design excellence do not become self-complacent, we place immense value on seeking objective third-party evaluations, actively competing for various design awards since 1991.



Delivery Record Showcase Site ▶



在るべきデザインは、都市が教えてくれる。

真に美しいものは、さりげない。
人々が気づかないほど周囲に溶け込み、そこに在る。
都市を彩り、人々の安全を守る、
優れた景観デザインは街や人との「調和」にあると、ここで学んだ。
だから私は今日も街に出る。風や光を感じながら道を歩く。
時代が変わってもなおそこに泰然として在り続ける、
真に美しいデザインのヒントを求めて、どこまでも。

美しく安全な都市に生き続けているデザイン

ボイラー製造で培った鍛造技術を活かし、
橋梁・街路の防護柵や公園等のストリートファニチャー、装飾建築金物等、
様々な景観製品を手掛けています。
長年多くの景観賞やグッドデザイン賞に挑戦・受賞を果たす中で、
私達のデザインマインドは深く醸成されました。現在主力として展開する防護柵製品は、
性能の信頼性に加え、お客様の要望に合わせた提案力も高い評価を獲得。
全国の拠点整備にも数多く採用され、記憶に残る風景の一部となっています。

Together with local communities, together with the world, aiming to build a better future.

From developing and manufacturing proprietary products that respect the global environment to social contribution activities that support regional development, Showa Manufacturing embraces global goals, engaging in diverse corporate initiatives aimed at constructing a finer society and a brighter future.



Umi Town, Kasuya District, Fukuoka Prefecture—Home to our Head Office and Umi Factory

ACTION FOR SDGs

Commitment to the SDGs

The Sustainable Development Goals (SDGs) were adopted at the United Nations Summit in September 2015. Showa Manufacturing strongly endorses this mission, aiming to help achieve these goals through concrete actions.



When publicised in 2015, we found that many of the SDGs overlapped significantly with corporate and management policies that Showa Manufacturing had already long established. We currently aim to achieve 10 of the 17 goals set forth by the SDGs. In particular, developing eco-friendly products that contribute to a sustainable future, alongside responsible and trustworthy craftsmanship programs, represents our true duty and mission. In our hot water supply equipment business, we contribute to cutting greenhouse gases and lowering NOx levels, while the highly efficient outdoor air handling units developed by our air conditioning equipment business have earned prestigious evaluations across Japan. Furthermore, we deeply resonate with the SDGs' call for corporate activities free of discrimination or injustice and the curation of fulfilling working environments. We are actively working toward gender equality, which includes establishing a "Committee for the Promotion of Women's Participation and Advancement" within the company.

SOCIAL CONTRIBUTION ACTIVITIES

Social Contribution Activities

At Showa Manufacturing, we provide our corporate facilities and grounds as gathering places for local residents and as practice fields for youth baseball teams. Local elementary schools regularly visit our factories for educational field trips, listening intently to explanations provided by our employees. Additionally, to help realize a society where everyone can live and work vibrantly, we regularly host venues for individuals with disabilities to sell handmade confections.



Together into the future with sincere technology and service: SHOWA's network expanding nationwide.

Showa Manufacturing's sales and service network extends completely across Japan. In addition to our two manufacturing facilities in Fukuoka, we operate a manufacturing plant deeply rooted in Hokkaido for heating equipment and related products. Answering customer trust within each respective region, we channel these relationships into further reinforcing and expanding our corporate operating foundations.



Umi Factory



Koga Factory



Sapporo Factory

Head Office

Sapporo Factory

Sendai

Kita-Kanto

Tokyo Branch

Nagoya

Osaka

Hiroshima

Minami-Kyushu

Koga Factory

Head Office/Umi Factory

Shimonoseki



You can watch introductory videos of our businesses, products, and factories on our website ▶

Major Bases/Sapporo, Sendai, Kita-Kanto, Tokyo, Nagoya, Osaka, Hiroshima, Shimonoseki, Kyushu, Minami-Kyushu

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Corporate website



Recruitment site



昭和鉄工株式会社は持続可能な開発目標（SDGs）を支援しています。