

# WE BRING THE HEAT

Incorporating latest advanced technology in Induction





# INTRODUCTION

Dear Valued Associates,

At EFFEE Induction, we are driven by a singular mission: to pioneer cutting-edge induction heating solutions that not only set industry standards but also contribute meaningfully to a sustainable future from our humble beginnings in 2017, we have grown into a trusted name in the industry, known for our relentless innovation, technical expertise, and commitment to excellence.

Our vision, “To be the leading induction heating solutions company in the world with the objective of reducing carbon footprint and preserving the environment,” serves as the foundation of every decision we make. As we navigate the complexities of the modern industrial landscape, we remain steadfast in our dedication to delivering energy-efficient and environmentally responsible solutions.

Through the ICON series and other advanced product lines, we have demonstrated our ability to blend innovation with practicality. These solutions not only address the diverse needs of our clients but also align with our responsibility to protect our planet. We believe that technology and sustainability are not mutually exclusive but are complementary forces that drive progress.

Effe Induction’s success is a testament to the expertise and hard work of our talented team, whose unwavering dedication fuels our growth. Together, we continue to push boundaries, explore new possibilities, and redefine what’s possible in the field of induction heating. The team is evolving for the next growth phase, as we continue to expand our business geography and to serve the expanding markets and needs of our customers.

I am deeply grateful to our customers, partners, team members and investor community for placing their trust in us. Your support inspires us to continuously strive for excellence and embrace new challenges with enthusiasm.

Let us build a future where technology, sustainability, and innovation work hand in hand to create lasting impact.

Warm regards,

**Eirik Belland**  
Managing Director,  
Effe Induction

ON SITE ROBOTICS



FOUNDRY



INDUCTION



CORRON A S

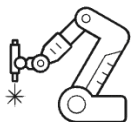


## ‘EFFEE’ MEANS EFFICIENT FEEDING AND WE LIVE UP TO ITS PRINCIPLE

Since its inception in 2017, EFFEE INDUCTION has stood as the pinnacle of excellence in induction heating. Established under the guidance of experienced directors and engineers, who have dedicated their careers to the mastery of induction heating, EFFEE Induction reflects a commitment to seamless innovation and efficiency.

EFFEE is a privately owned organization that includes over half a century’s worth of expertise and knowledge, over the whole gamut of induction heating. We started off as a supplier of induction heating equipment for induction heated feeders based in the foundry industry, which is still part of our product offering. We evolved to include induction heating equipment and robot-controlled weld repairs with state-of-the-art technical support and consultation. We have made continuous improvements in our products to deliver excellent solutions to customers in a multitude of industries. Our combined efforts and breakthroughs in technology have allowed EFFEE INDUCTION to become a leading innovator in the induction industry today.

### ON SITE ROBOTICS



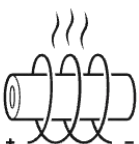
Revolutionising maintenance operations by offering efficient on-site repairs carried out with little or no downtime.

### FOUNDRY



Induction-heated feeding technology for foundries ensures precise temperature control and efficient energy usage and reduced material waste.

### INDUCTION HEATING



Manufacturing of spare parts, refurbishing- and induction machines, and sterling services.

### CORRON A S



Corron AS supplies sacrificial anodes to the shipping, quay, and offshore industries. Corron is a subsidiary of EFFEE Induction.



# EFFEE INDUCTION: REDEFINING INDUCTION HEATING

EFFEE is a trusted leader providing technical and innovative heat treatment solutions with headquarters based in Ålesund, Norway, we offer a wide range of advanced heating solutions, equipments and robotic solutions to solve the many needs of our customers across the globe. Founded in 2017, EFFEE Induction embodies efficiency and innovation, standing as a leader in the induction heating industry from R&D projects to metallurgy and material process simulation, our expertise spans the entire gamut of induction heating applications.

Driven by our motto, "WE BRING THE HEAT," we excel in automation, new engineering applications, new machine buildings, spare part manufacturing, machine refurbishing, and engineering services. At EFFEE Induction, we are committed to providing sterling, globally competitive solutions while advancing sustainability and exploring new frontiers in material science.



FOUNDED IN **2017** HEADQUARTERS  
ÅLESUND, NORWAY



BUSINESS IN MORE THAN  
**10** COUNTRIES



**3** PRODUCTION  
FACILITIES



EMPLOYEES **> 100**



ROBOTS **> 20**





# HONORING EVERY VOICE AND RESPECTING THE COMMUNITIES

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**EFFEE Induction continuously evolves through the commitment of our employees implementing best management performance and value creation.**

At EFFEE Induction, our people are our greatest asset, and the communities we serve are the foundation of our success. We are committed to creating a work environment that celebrates diversity, encourages innovation, and supports professional growth.

By providing ongoing training, skill development opportunities, and a safe workplace, we empower our employees to excel in their roles and contribute meaningfully to our success. EFFEE Induction fosters a culture where every individual feels valued and heard. We recognize and reward hard work, champion teamwork, and ensure a healthy work-life balance, enabling our employees to thrive both personally and professionally.

**EFFEE Induction is firmly rooted in its core values of Accountability, Honesty, and Respect.**

All employees at EFFEE Induction, across multicultures, around the world - work together with each other and our customers, with these core values in mind. Our responsibility extends beyond the workplace, into the communities where we live and operate. Our management system ensures employees are able to achieve their full potential and opportunity to acquire the skills, knowledge and experience to uphold our core values.

At EFFEE Induction, we are guided by the belief that success is not just about achieving business goals—it is about creating lasting value for our people and the communities we serve. Together, we aim to grow responsibly, nurture trust, and create a meaningful impact for the generations to come.

Tjeldbergodden  
Norway

Alesund  
Norway

Limhamn  
Sweden

## A **WORLDWIDE** NETWORK AND SERVICE

To serve the worldwide demands of heat induction products we continue to grow with local and global network of “end-to-end” sales and services outlets across 5 countries.

This global presence allows us to provide customers with the best level of local support and know-how.



**Incheon**  
South Korea

**Pune**  
India

**Suan Luang**  
Thailand

**Chennai**  
India

**Nebong Tebal**  
Thailand

**Bengaluru**  
India

**Bengaluru**  
India

-  **PRODUCTION UNITS**
-  **OFFICE**
-  **SALES AGENTS**

EFFEE Induction has been consistently supporting the demands of many industries with advanced solutions. Operating sales networks, allows us to remain close to our customers as we continuously look to expand into other territories.



107

2024

Celebrated our first international order at the Indian plant, marking a major milestone in our global expansion.

100

2023

Earned high-value refurbishment orders from new customers, reflecting trust in our expertise.

81

2022

- Relocated to a new plant with expanded capacity, preparing for future growth.
- Delivered a Twin Output Brazing Machine to our customers.

64

2021

- Launched Onsite Repair Services, offering enhanced customer support.
- Demonstrated our technical process by delivering Induction Hardening Machine to new customers.

29

2020

Secured a major order for Effe Energy, showcasing our growing capabilities.

11

2019

Expanded globally by initiating Indian operations in April.

8

2018

- Setting a new benchmark by delivering the first IFEED system.
- Received the prestigious ICON orders from new customers.
- Welcomed our first customer as a shareholder, strengthening our business ties.

2

2017

Secured our first IFEED order, a significant step in our journey.

1

2016

Marked ourselves by launching Induction Spares and Services in Norway.



## EXCELLENCE IN MANUFACTURING

### EFFEE – A Global Manufacturer and Enthusiast in the Induction Heating and Material Science Domain

EFFEE Induction has 3 production facilities serving the global demands which is led by a strong, multi-cultural teams with a strong business etiquette. Our talented production teams offer unique individual skill-sets which help with our company growth.

We are avid problem solvers of the induction heating material science domain if you are facing an obstacle in this space, we can help you design innovative solutions to overcome this by exploiting our extensive reservoir of induction heating design expertise. We are dedicated to assist our partners increase their productivity and lower their costs by providing sustainable manufacturing solutions.

Moving forward, EFFEE is looking to increase its manufacturing plants internationally to serve in its expanding markets and meet its customer needs. We take pride in our heritage and world class manufacturing operations which together help drive the induction industry forward.



#### Tjeldbergodden Plant (Tjeldbergodden, Norway)

- On-Site Robotics
- Spares and Services



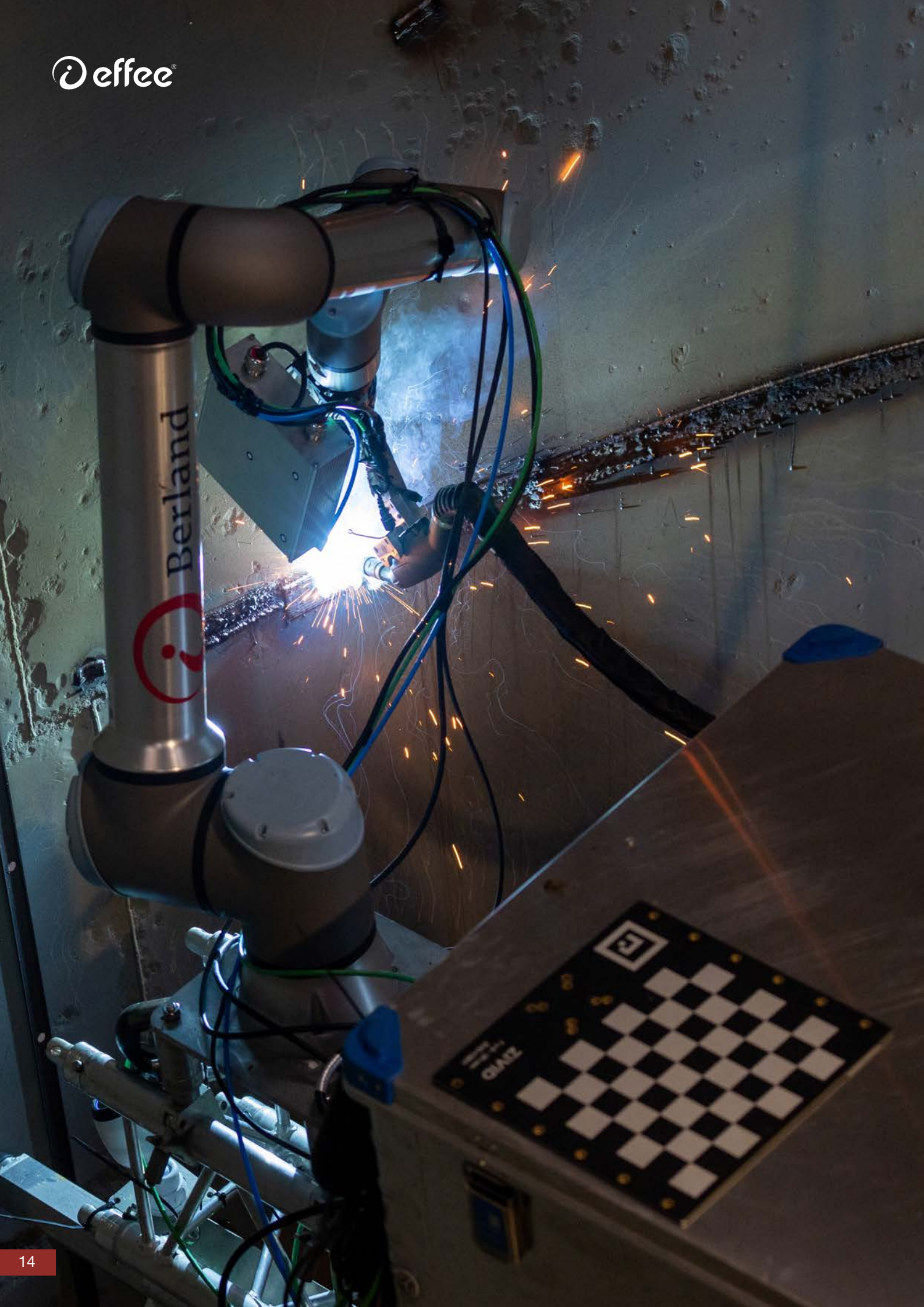
#### Alesund Plant (Alesund, Norway)

- Foundry
- R&D Center



#### Bengaluru Plant (Bengaluru, India)

- Induction Heating
- R&D Center



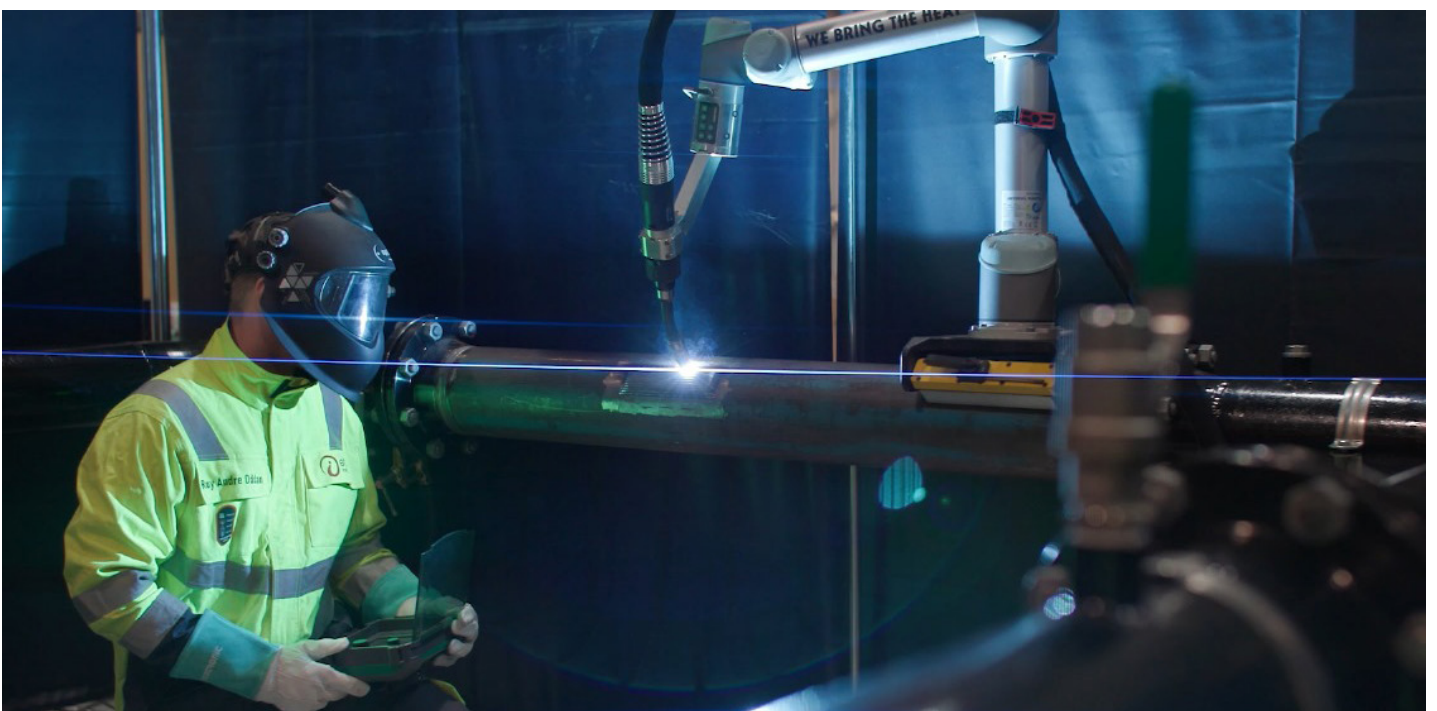
# CHALLENGING BOUNDARIES WITH ON-SITE ROBOTICS

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In current industrial manufacturing environment, robotics solutions are increasing heavily. Robots can be used in any industry that would benefit from automation to perform exceptionally high quality, reliable, flexible, efficient and importantly consistency.

Investment in automation is a proven concept but with many benefits including substantial increases in productivity and flexibility. In addition, a robot can handle those complex, demanding jobs plus difficult and/or repetitive tasks which ease induction operations.

EFFEE has assembled a skilled and competent team capable of thinking outside of the box. This enables us to tackle unique projects that demand specialised approaches. With the integration of robotic welding technology, induction heating, on-stream capabilities, and extensive research and development efforts, EFFEE is capable of resolving our customers' distinct challenges and requirements. We break boundaries by devising tools and procedures that facilitate cost-effective repairs instead of costly replacements for our customers.



CORRON  
ANODE 150

# LEADING THE CHARGE AGAINST CORROSION **WITH CORRON AS**



Corron is your partner in corrosion protection. With our own foundry in Bud, Norway, our team brings years of casting experience. We specialize in zinc and aluminum sacrificial anodes, designed to protect steel from corrosion.

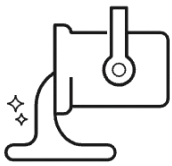
Our team customizes complex anodes for clients in the propeller and offshore industries, while also supplying standardized anodes for quay and port facilities, land-based aquaculture facilities, shipyards, and more. Some anodes are cast in molds, while others are formed in sand.

We are also developing smart anodes that provide real-time monitoring. This will deliver direct savings for the customer. The anodes notify when they are being consumed, allowing the customer to replace them only when necessary. This saves both the customer and the environment from unnecessary and costly inspections, as well as reducing the risk of being without a system due to corrosion. Currently, the smart anodes use cabling, but in the future, the solution will be fully digital, with wireless signal transmission.

Demonstrating a commitment to innovation, Corron AS began developing smart anodes in 2018. These advanced anodes monitor cathodic protection on quay facilities, offshore installations, and ships, providing clients with real-time insights into their systems' status. This technology enables timely anode replacements based on actual need, enhancing efficiency and safety. The company boasts a team with over 30 years of experience in casting and specialized expertise in corrosion protection, ensuring high-quality solutions tailored to client needs.



# REVOLUTIONIZING CASTING WITH ECO-FRIENDLY **INDUCTION SOLUTIONS**

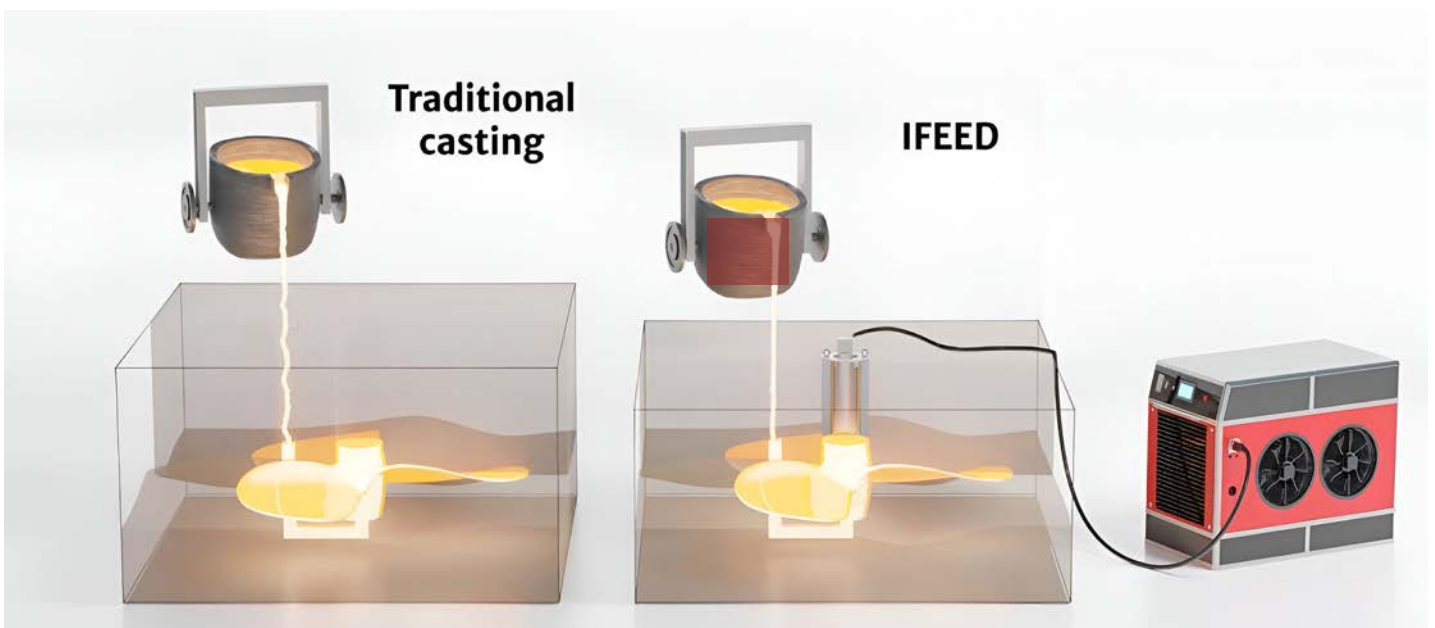


EFFEE Foundry, a division of the EFFEE family, is at the forefront of transforming the foundry industry with its innovative induction-heated feeding technology.

Our solutions are meticulously tailored to each application, ensuring optimal performance and sustainability. In line with our goal to decrease energy consumption and carbon footprint for foundries by 30-40% with minimal investment, we are dedicated to providing eco-friendly and sustainable feeding solutions that not only enhance efficiency but also contribute to a greener planet.

Understanding that each foundry has unique requirements, we offer customized feeding solutions designed to meet specific operational needs. Our team of experts collaborates closely with clients to develop and implement systems that enhance productivity and product quality.

Partner with EFFEE Foundry to experience the future of casting technology—where innovation meets sustainability.





## DRIVING INNOVATION IN INDUCTION HEATING

As we manufacture and build both power sources and coils in our own workshops, each product is individually designed for optimal performance and efficiency.

Our standard equipment is suited to your production need and integrated into your processes with suitable machines and fixtures for use in your heating applications. Let our solutions do the job so you can focus on your customers' success!

### OUR PRODUCTS ARE MAINLY CATEGORISED INTO :

▶ **ICON™**

- **ICON-Integrated**
- **ICON-Standalone**
- **ICON-HF**

▶ **ICHILL**

- ▶ **IMAC**
- ▶ **IFEED**



# ICON™

— Incorporating latest advanced in induction technology, **ICON™** range offers unrivalled reliability and application flexibility.

- ▶ **ICON™ increases throughput.**  
Fast, easy, accurate and repeatable heat delivery improves productivity
- ▶ **ICON™ is environment-friendly**  
No flame, no gas and virtually no radiant heat. Which means more comfort, productive environment. Most importantly Eco-friendly
- ▶ **ICON™ lets you do more**  
Flexibility and application versatility let you perform practically any heating task within frequency range

## PRODUCT FEATURES

- ▶ **Integrated Chiller (10 TR to 45 TR)**  
**ICON™** has built in integrated chiller with modular compact design, energy saving for easy of operation & mobility
- ▶ **Power source (15 kW to 100 kW)**  
More versatile load matching, which gives a much higher flexibility for different heating jobs
- ▶ **Range of coils**  
**ICON™** systems can be fit within limitless range of coil designs that are specialists in designing, testing and delivering customized, long-life coils
- ▶ **Stationary system**  
**ICON™** is EFFEE Induction range of complete mobile heating system. Compact design saves valuable floor space and simplifies the heating technology by making it plug & play device



▶ **Remote monitoring and control**

Remote monitoring and control available for most of the applicable networks (mobile, Wi-Fi, Modbus, canbus etc.) The system works on your mobile, tablet and computer. It can also connect to your MIS (Management Information System). Our data acquisition system ensures full diagnosis traceability. Compact design saves valuable floor space and simplifies the heating technology by making it plug & play device

## **EASY TO SERVICE FOR MAXIMUM UPTIME**

- ▶ Retractable chiller for easy access to components
- ▶ Easily available components across the globe
- ▶ External water for cooling can be used in bypass mode
- ▶ Emergency response program for critical spare parts can be offered to ensure maximum uptime



# ICON STANDALONE

— Incorporating latest advanced in induction technology, ICON™ Standalone range offers unrivalled reliability and application flexibility.

- ▶ **ICON™ Standalone increases throughput**  
Fast, easy, accurate and repeatable heat delivery improves productivity
- ▶ **ICON™ Standalone is environment-friendly**  
No flame, no gas and virtually no radiant heat. Which means more comfort, productive environment. Most importantly Eco-friendly
- ▶ **ICON™ Standalone lets you do more**  
Flexibility and application versatility let you perform practically any heating task within frequency range

## PRODUCT FEATURES

- ▶ **Power source**  
More versatile load matching, which gives a much higher flexibility for different heating jobs
- ▶ **Range of coils**  
**ICON™ Standalone** systems can be fit within limitless range of coil designs that are specialists in designing, testing and delivering customized, long-life coils
- ▶ **Stationary system**
- ▶ **ICON™ Standalone** is EFFEE Induction range of complete mobile heating system. Compact design saves valuable floor space and simplifies the heating technology by making it plug & play device



▶ **Remote monitoring and control**

Remote monitoring and control available for most of the applicable networks (mobile, Wi-Fi, Modbus, canbus etc.) The system works on your mobile, tablet and computer. It can also connect to your MIS (Management Information System). Our data acquisition system ensures full diagnosis traceability

## APPLICATIONS

———— **ICON™ Standalone** is ideal for a wide range of applications: **Brazing, hardening, paint removing, shrink fitting, curing, straightening, cable heating, pre-heating, post heating, bolt heating** etc. ICON is suitable for heating all kinds of electrically conductive materials like copper, aluminum, steel, stainless steel, brass, titanium, etc.

### Easy to service for maximum uptime

- ▶ Easily available components across the globe
- ▶ External water for cooling can be used
- ▶ Emergency response program for critical spare parts can be offered to ensure maximum uptime

### Why is that better

- ▶ Extremely less floor area
- ▶ Improved mobility with easy Plug and play

# ICON-HF

Compact, eco-friendly, high-efficiency power source designed for both induction and wire heating, offering precise control from 5 kW to 25 kW across 100 kHz to 500 kHz frequencies.

## PRODUCT FEATURES

- ▶ **Wide Frequency Range (100 kHz to 500 kHz)**  
Ideal for diverse induction heating and wire heating applications, ensuring uniform temperature control
- ▶ **Flexible Power Options (5 kW to 25 kW)**  
Scalable power configurations to suit a variety of heating needs, from small components to large-scale processes
- ▶ **MOSFET Technology for High Efficiency**  
Advanced MOSFET technology ensures minimal losses, high efficiency, and precise control
- ▶ **Compact & Space-Saving Design**  
Small footprint design for easy integration into tight spaces or automated systems.
- ▶ **Reliable and Durable**  
Designed for continuous operation, offering long-term reliability with minimal maintenance
- ▶ **Efficient Cooling System**  
Advanced cooling ensures stable performance under high power loads. Water required for cooling
- ▶ **User-Friendly Interface:**  
Simple interface for easy operation, real-time monitoring, and troubleshooting



# APPLICATIONS

- ▶ **Induction Hardening**  
Hardens small metal parts to improve strength and wear resistance
- ▶ **Induction Brazing & Soldering**  
Efficiently joins small metal components using electromagnetic induction heat.
- ▶ **Induction Annealing**  
Softens metals, relieving internal stresses and improving workability.
- ▶ **Induction Tempering**  
Provides precise tempering for optimal mechanical properties of small components.
- ▶ **Wire Heating (Annealing, Tempering, Brazing)**  
Uniform heating of wires for annealing, tempering, and brazing processes.
- ▶ **Heating Chambers for Small Components**  
Ensures uniform heating in chambers for small components, enhancing quality and consistency.

# BENEFITS

- ▶ **High Efficiency**  
Reduces operational costs while providing optimal heating performance
- ▶ **Reliability & Long-Term Performance**  
Continuous, stable heating with minimal downtime and maintenance
- ▶ **Enhanced Heating Precision**  
Delivers uniform, precise heating, improving product quality and reducing waste

# ICHILL

— Incorporating latest advances in induction chiller technology, ICHILL range offers unrivalled reliability and application flexibility.

- ▶ **ICHILL provides fast and easy mobility**
- ▶ **ICHILL is environment-friendly**
- ▶ **ICHILL is compact**
- ▶ **ICHILL is energy efficient**

## PRODUCT FEATURES

- ▶ **Inverter-based chiller**  
**ICHILL** is an inverter-based chiller
- ▶ **VFD-controlled**  
**ICHILL** is actively VFD (Variable Frequency Drive) controlled and operates based on actual load making it an energy efficient
- ▶ **Micro channel technology**  
**ICHILL** utilizes micro channel technology and uses 60% less refrigerant gas compared to conventional chillers
- ▶ **Compact**  
**ICHILL** is 56% smaller than conventional chillers
- ▶ **Green Chiller**  
**ICHILL** uses refrigerant which has no Ozone depletion potential



# APPLICATIONS

**ICHILL** is ideal for a wide range of applications such as with: Induction **Brazing** machines, Induction **hardening** machines, **paint removing**, **shrink fitting**, **curing**, **straightening**, **cable heating**, **pre-heating**, **post heating**, **bolt heating** machines, Medical Equipment, Plastic Injection etc. ICHILL is suitable and greatly compatible with all kinds of Induction Power Source.

## Why is that better

- ▶ Less floor area (1/4 of the size)
- ▶ Improved mobility
- ▶ Energy efficient with cooling-based technology via actual load (VFD controlled)
- ▶ Plug and play



# IMAC

— Incorporating latest advanced in induction technology, **IMAC** range offers unrivalled reliability and application flexibility.

- ▶ **IMAC** product line comprises of vertical, horizontal centerless, rotary table, crankshaft, and customized machines.
- ▶ **IMAC** systems can be fit within limitless range of coil designs that are specialists in designing, testing and delivering customized, long-life coils.
- ▶ **IMAC** machine, at its core, is powered by our ingenious ICON power source- the industry's leading induction frequency converter.
- ▶ **IMAC** product line constitutes a range of systems geared to virtually satisfy every hardening requirement.
- ▶ Remote monitoring and control available for most of the applicable networks (mobile, Wi-Fi, Modbus, canbus etc.) The system works on your mobile, table and computer. It can also connect to your MIS (management information system).
- ▶ A ground fault is a type of fault in which straying electrical current deviates from its intentional pathway and flows directly to the earth (ground) or in other words contact between the job and the coil which could cause potential harm to the inductor(coil) or job or a person.
- ▶ The Inductor Ground Fault is connected through the isolated current transformer. The current transformer has the ability to sense leakage current from the ground cable and the set reference on the GFU unit, once the set reference is lower than the leakage current it latches the ground fault.
- ▶ GFU units are easy to set, understand and visualize. GFU unit reduces the electrical failures which could impact an industrial power system.



# APPLICATIONS

- ▶ **IMAC Vertical Hardening Machine:** Vertical machines envelop everything from physically stacked to completely robotized in-line frameworks. Various models can be leveraged for hardening workpieces ranging from little parts to huge rollers and blocks. Our upward frameworks are a testament to confounded calculations. For example- flanged shafts, cams, cog wheels and gears.
- ▶ **IMAC Horizontal Hardening machine:** We offer horizontal pusher-feed and ceaseless feed machines, which have a higher rate of reproducibility. They can be used for short process durations as well. A distinctive high-speed controller created by us, guarantees precise hardening in and outlet zones even at faster navigation speeds.
- ▶ **IMAC Rotary table systems:** The hardening ability of our rotating table machines make them ideal for shortening process durations in high-volume production. Throughput rates can be enhanced by adding additional stations.
- ▶ **IMAC Crankshaft systems:** IMACs canvas any kind of crankshaft (marine blower, vehicle, truck, etc.) and production volume. It incorporates robot-stacked machines, and drum and single-station models for huge crankshafts.
- ▶ **Customized IMAC:** Our forte is devising customized hardening solutions. Our customizations are tailored to fulfill the customer's requirements, which stems from the nature of the job, duration of the cycle time, etc.

# IFEED

— The IFEED Low-Frequency Power Source by EFFEE Induction is a robust, high-efficiency solution designed for melting and foundry applications. With scalable power configurations from 50 kW to 400 kW . IFEED offers precise control, exceptional performance, and superior reliability.

## PRODUCT FEATURES

- ▶ **Wide Frequency Range**  
Ideal for efficient melting processes, ensuring precise and uniform heating
- ▶ **Flexible Power Options**  
Scalable configurations meet diverse industrial melting and foundry needs
- ▶ **IGBT Technology for High Efficiency**  
Incorporates advanced IGBT modules to minimize energy losses and enhance operational efficiency
- ▶ **Compact & Modular Design**  
Space-saving design allows easy integration into industrial setups and retrofitting projects
- ▶ **Durable & Reliable**  
Engineered for continuous operation with minimal maintenance requirements
- ▶ **Efficient Cooling System**  
Advanced water cooling ensures stable performance even under high-power loads ,even integrated chiller option available
- ▶ **User-Friendly Interface**  
Intuitive controls enable real-time monitoring, easy operation, and rapid troubleshooting

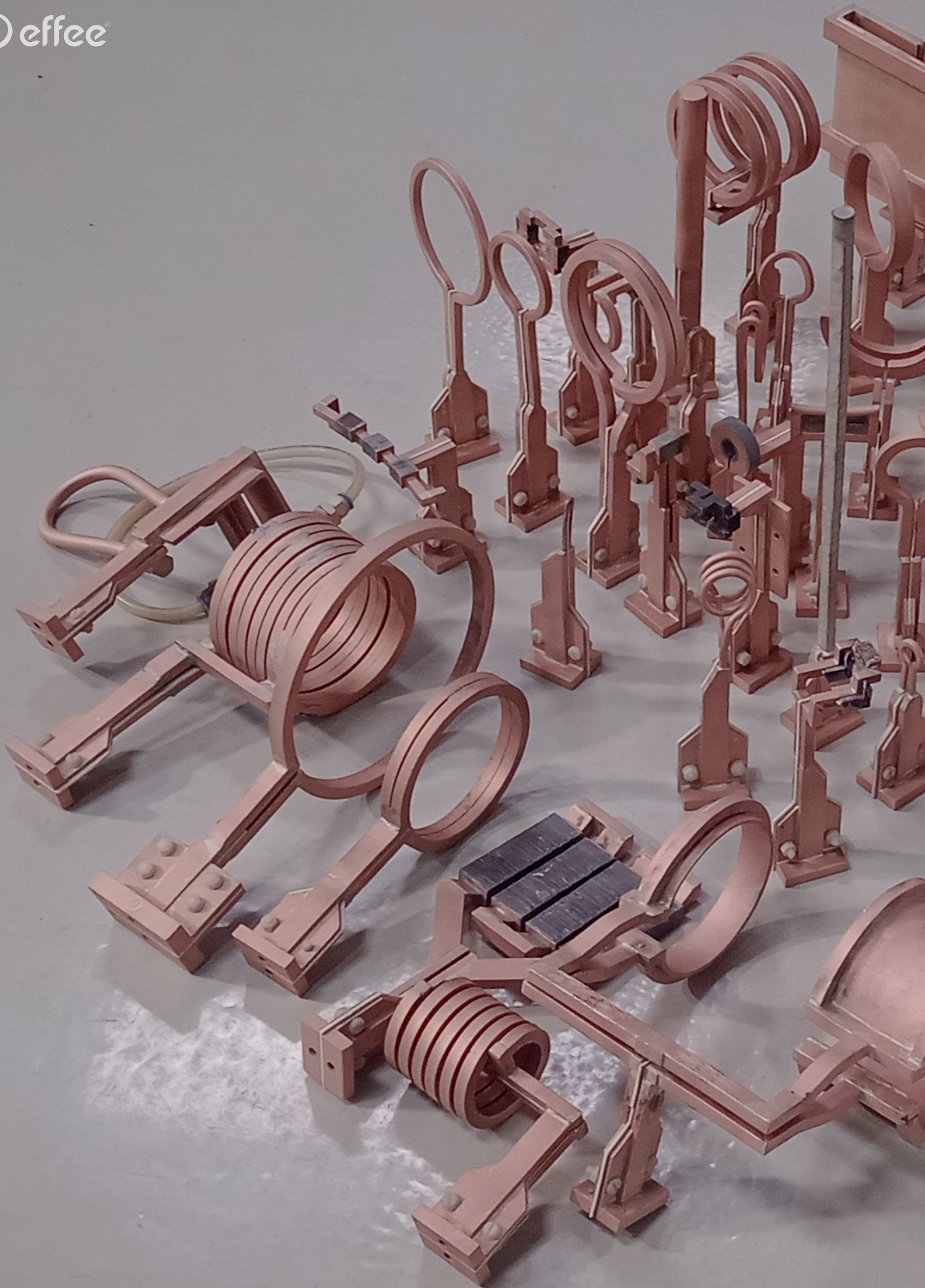


# APPLICATIONS

- ▶ **Induction Melting**  
Efficiently melts ferrous and non-ferrous metals with precise temperature control
- ▶ **Foundry Operations**  
Designed for high-precision melting and refining processes in industrial foundries
- ▶ **Recycling & Refining Metals**  
Handles a variety of recycling processes with superior energy efficiency
- ▶ **Induction Tempering**  
Provides precise tempering for optimal mechanical properties of small components
- ▶ **Continuous Casting Support**  
Ideal for maintaining uniform melting in continuous casting setups

# BENEFITS

- ▶ **High Efficiency**  
Reduces energy consumption and operational costs while maximizing output
- ▶ **Enhanced Reliability**  
Delivers stable, consistent performance with minimal downtime
- ▶ **Precision Heating**  
Provides consistent, precise heating to enhance product quality and reduce waste



# SPARES

- ▶ Electronic Cards
- ▶ Portable Output Transformers(POT)
- ▶ Mechanical Assembly Parts
- ▶ SS & MS Parts
- ▶ Pneumatic Parts
- ▶ Lubrication Parts
- ▶ Control Items
- ▶ Electrical Items
- ▶ Induction Coils
- ▶ Output Bus Bars
- ▶ Output / Matching Transformers

# REPAIRS

- ▶ Portable Output Transformers (POT & HHT)
- ▶ Mechanical Assembly Parts
- ▶ Control Items
- ▶ Induction Coils
- ▶ Output Bus Bars

# REFURBISHMENTS

- ▶ Induction Heating Machines
- ▶ Control Panel with CNC/PLC
- ▶ Power Source (Converters)



# INTEGRATED INDUCTION SOLUTIONS TO SERVE EVERY INDUSTRIES

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At EFFEE Induction, we understand that every industry has unique needs and challenges. Our integrated induction solutions are designed to serve a wide array of industries, providing tailored, efficient, and innovative heating technologies that enhance productivity and sustainability.

From automotive and aerospace to foundry and manufacturing, EFFEE Induction's technology is adaptable to a multitude of applications. Our solutions are engineered to optimize processes such as heating, welding, hardening, and forging, ensuring precision and consistency across different industrial environments.

We recognize that one size does not fit all. That's why our team of experts works closely with clients to understand their specific requirements and deliver best solutions. Whether it's a small-scale operation or a large industrial facility, EFFEE Induction offers the right tools and technologies to meet your needs.

EFFEE Induction's integrated solutions are at the forefront of transforming industries, making processes more efficient, cost-effective, and environmentally friendly.

Our cutting-edge solutions have bonded our partnership with Automotive and manufacturing Industries all over the world with our efficient, durable, and profitable solutions for increasing their efficiency, productivity and competitiveness. No matter your industry, we have the expertise and technology to elevate your operations and drive success.

**AUTOMOTIVE  
SECTORS**

**OIL & PETROLEUM**

**INDUSTRIAL  
MANUFACTURERS**

 effee

**ENERGY &  
POWER  
GENERATION  
SECTOR**

**SHIPBUILDING  
SECTOR**

## EXPANDING HORIZONS WITH THE EMERGENCE OF GLOBAL CUSTOMERS

Global customers are incredibly significant for us, particularly in the context of a globalized economy. What began as a mission to provide innovative induction heating solutions locally has evolved into a journey of serving diverse clients across industries and continents. Our cooperation with our global customers is leveraging our global reach and global resources to have a world covering business model.

Shaking hands with well known global customers accelerate our business credibility and reputation globally. Efee Induction is very much capable of delivering high-quality products and services that meet the standards of reputable global industrial companies.

Efee's products are used by customers from all kinds of industries, all around the world, and interfaced to all induction applications. As we look to the future, Efee Induction is poised to strengthen its position as a leader in induction heating solutions. Together with our global customers, we aim to innovate, evolve, and expand our capabilities to better serve the needs all around the world.



## RESEARCH & DEVELOPMENT

# DRIVING INNOVATION IN INDUCTION HEATING

At EFFEE Induction, Research and Development (R&D) lies at the heart of our commitment to innovation and technological advancement. Our highly experienced team of engineers, designers and technicians continually work side-by-side with end-users and industry partners, to research, invest and develop a wide range of products.

EFFEE's dedication to advanced technologies, combined with our skilled engineers who work in state-of-the art facilities, deliver solutions for the most demanding and challenging environments.



## KEY AREAS OF EXPERTISE:

- ▶ Induction coil design for new applications
- ▶ Process development for new applications
- ▶ Material Science and Metallurgy
- ▶ Application Design and Simulation
- ▶ Automation and Robotics
- ▶ ICON Series Innovations

EFFEE Induction's R&D team works closely with clients to understand their unique challenges and provide tailored solutions. We emphasize collaboration and problem-solving, leveraging our extensive expertise to address application-specific issues. Our team employs state-of-the-art tools and techniques, ensuring every project meets the highest standards of quality and efficiency.

Our R&D roadmap is centered on sustainability and innovation. From developing eco-friendly induction heating solutions to exploring groundbreaking technologies in material science and energy efficiency, we are constantly venturing into the unknown.

At EFFEE Induction, our R&D division exemplifies our motto, "WE BRING THE HEAT," by relentlessly pursuing advancements that transform the industry and set new standards of excellence.

## Statement of Compliance

No. CE. MTIC/SOC/No. 104

Technical Construction File Ref No.:	TF/CE/ICON-IFEED/2023-24/001
Name & Address of the Manufacturer:	Effee Induction Private Limited No. 48, 2nd Phase, ABB Road, Peenya Industrial Area, Bangalore - 560 058, Karnataka, India
Product Nomenclature:	ICON & IFEED Series
Type/Model:	15,25,50,75,100,200,300,400
Details of Sample:	IFEED 400

**Review / Observations:**  
The Technical File (TF) referenced above, submitted by the manufacturer has been reviewed. The Technical File (TF) covers the requirements under the provisions of the European Union Directives mentioned below:

**Low Voltage Directive:**  
Low Voltage Directive (LVD) - 2014/35/EU OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL OF 26 February 2014.

**Machinery Directive - 2006/42/EC** of the EUROPEAN PARLIAMENT AND THE COUNCIL OF 17 May 2006 on Machinery (Machinery Directive).

**EMC Directive: 2014/30/EU** OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL OF 26 February 2014 on the harmonization of the laws of the Member States relating to Electromagnetic Compatibility.

**Harmonized Standard:**

- EN/ISO 12100:2010 - Safety of Machinery-General Principles for Design- Risk Assessment and Risk Reduction requirements.
- IEC 60204-1:2018 Safety of Machinery- Electrical Equipment of Machines-Part1: General requirements.
- Conducted Emission Test per CISPR11:2015+AMD1:2016+AMD2:2019
- Radiated Emission test per CISPR11:2015+AMD1:2016+AMD2:2019

*Rajesh K Iyer*  
Managing Director

MTIC INTERCERT INDIA PRIVATE LIMITED  
No.116,2nd Floor, 11th Cross, 3rd Main Road, Margosa Road, Maheswarum, Bangalore - 560003, Karnataka, India  
Tel No: 080 - 41285610, Tele-Fax - 41285609, CIN Number: U74900KA2011FTC061063  
Email: india@mtic-group.in Website: www.mtic-group.in

- Electrostatic Discharge test per IEC 61000-4-4:2012
- Electrical Fast Transient per IEC 61000-4-4:2012
- High Energy Surge Immunity per IEC 61000-4-5:2014; AMD:2017
- Conducted Susceptibility Test per IEC 61000-4-6:2023

Manufacturer is advised to issue	CE Declaration of Conformity
Marking on the product	CE
Date of Review:	28 May 2024

*Rajesh K Iyer*  
Managing Director

Note: This Statement of Compliance is issued according to the evaluation of the product samples and it does not certify the production assessment. The holder can use this statement with the CE declaration on conformity but not mark of conformity or a safety mark of MTIC INTERCERT INDIA PRIVATE LIMITED. The CE marking can be used on the product if the necessary technical documentation for all the relevant directives and standards is prepared with the required declaration of conformity. This Statement of Compliance is valid for the tested type with any relevant standard to update.

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## REGISTRATION CERTIFICATE

this is to certify that the management system of  
**effee induction Pvt. Ltd.**  
have been assessed by A CUBE TIC LIMITED and registered against the requirements of

### ISO 9001:2015

scope of registration

Design, Manufacturing, Supply, Installation and Commissioning of Induction Heating Equipment & Chillers With Spare Parts and Accessories

#48, ABB Road, 2nd Phase, Peenya Industrial Area, Bangalore, 560 058, Karnataka, India

19, 28, 29	20/16440
22nd October 2020	18th December 2023
Date of Original Registration	Date of Re-registration
21st August 2026	21st October 2023
Expiry Date	Expiry Date

*Affonso Pagliuca*  
Afonso Pagliuca, President & Founder, A Cube TIC Limited

This certificate is the property of A Cube TIC Limited (Unit 1 Middle Bridge Business Park Bristol Road Northwood Bristol BS20 9PN) and must be returned on request.

## REGISTRATION CERTIFICATE

this is to certify that the management system of  
**effee induction Pvt. Ltd.**  
have been assessed by A CUBE TIC LIMITED and registered against the requirements of

### ISO 45001:2018

scope of registration

Design, Manufacturing, Supply, Installation and Commissioning of Induction Heating Equipment & Chillers With Spare Parts and Accessories

#48, ABB Road, 2nd Phase, Peenya Industrial Area, Bangalore, 560 058, Karnataka, India

19, 28, 29	22/17565
20th September 2022	19th September 2025
Date of Original Registration	Expiry Date
19th July 2025	22nd January 2023
Expiry Date	Expiry Date

*Affonso Pagliuca*  
Afonso Pagliuca, President & Founder, A Cube TIC Limited

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## REGISTRATION CERTIFICATE

this is to certify that the management system of  
**effee induction Pvt. Ltd.**  
have been assessed by A CUBE TIC LIMITED and registered against the requirements of

### ISO 14001:2015

scope of registration

Design, Manufacturing, Supply, Installation and Commissioning of Induction Heating Equipment & Chillers With Spare Parts and Accessories

#48, ABB Road, 2nd Phase, Peenya Industrial Area, Bangalore, 560 058, Karnataka, India

19, 28, 29	22/17422
15th June 2022	14th June 2025
Date of Original Registration	Expiry Date
14th April 2025	N/A
Expiry Date	Expiry Date

*Affonso Pagliuca*  
Afonso Pagliuca, President & Founder, A Cube TIC Limited

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# EMPOWERING INNOVATION AND TRUST ON THE FOUNDATION OF QUALITY

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## EFFEE Induction is committed to quality standards and continuous product improvement.

At EFFEE Induction, quality is more than just a standard—it's the foundation of trust and the cornerstone of excellence. We take pride in delivering superior solutions that not only meet but exceed industry expectations, ensuring our clients achieve unmatched efficiency and reliability in their operations. Our advanced Research and Development facilities and their experts set us to the highest quality and standard levels. Our QA technicians are passionate specialists who drive consistent service to the highest quality and standard levels.

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## ISO APPROVALS

EFFEE Induction is ISO Certified (ISO 9001:2015), a testament to our dedication to maintaining the highest standards of quality management. We have also achieved CE Certification for its ICON and iFEED series, reinforcing our compliance with the European Union's rigorous safety and quality standards. This certification ensures adherence to critical directives such as the Low Voltage Directive (2014/35/EU), Machinery Directive (2006/42/EC), and Electromagnetic Compatibility Directive (2014/30/EU).

Our products meet harmonized standards, including EN/ISO 12100:2010 for safety design principles and IEC 60204-1:2018 for electrical equipment of machinery. This milestone underscores our commitment to delivering safe, efficient, and globally recognized solutions. At EFFEE Induction, we don't just deliver products we deliver trust, reliability, and a promise of quality. With our certifications and a dedicated team of professionals, we ensure that every project is executed to perfection and excellence.



# EFFEE INDUCTION'S PATH TO BUILD A FUTURE FOR SUSTAINABLE EXCELLENCE

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At EFFEE Induction sustainability starts with each one of us. Sustainability is not just a responsibility, it is a cornerstone of our vision and a driving force behind everything we do. As a induction heating company, we are committed to reducing the carbon footprint and preserving the environment through innovative technologies and sustainable practices.

Our induction heating solutions are engineered to maximize energy efficiency, reducing power consumption while maintaining superior performance. By integrating cutting-edge technology and intelligent design, we help our customers achieve their production goals with significantly lower energy requirements, thereby reducing the environmental impacts.

EFFEE Induction embraces eco-friendly practices at every stage of our operations, from R&D and manufacturing to product delivery and lifecycle management. We actively seek ways to minimize waste, recycle materials, and adopt sustainable alternatives wherever possible.

Sustainability is a journey, and we are fully committed to leaving a positive legacy for future generations. The steps being taken by EFFEE Induction are helping contribute to driving forward our sustainable world!



EFFEE Induction is committed to driving innovation, sustainability, and excellence in the induction heating industry. Our journey of growth and achievements is made possible by the trust and support of our valued clients and partners. As we continue to expand our horizons and embrace new challenges, we look forward to building stronger relationships and delivering innovative solutions that exceed expectations. Together, we forge a brighter, sustainable future.

**For more information,  
please visit**

[www.effee-group.com](http://www.effee-group.com)  
[www.effee-induction.com](http://www.effee-induction.com)



**E-book**

**EFFEE INDUCTION AS (NORWAY)**

Borgundvegen 340 6008 Ålesund, Norway

**EFFEE INDUCTION PVT LTD (INDIA)**

#48, ABB road, 2nd Phase, Peenya, Bengaluru, Karnataka 58

**EFFEE INDUCTION AB (SWEDEN)**

Toftakullagatan 10 216 22 Limhamn, Sweden

