inducore
Components



Where companies and people grow together.

Sustainable, profitable and with pride in every step.

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inducore.se

# We shape the industry of the future




Ecolabelled
printed matter
5041 0826



# Table of Contents


## Introduction 3-16

The Inducore mindset 3
Group areas 5
Inducore numbers 7
Inducore people 9
Sustainability 11
The core of Components 13
Market segment 15
Customers 16

## What we do 17-39

Sourcing and suppliers 17
Design & development 21
Automation & AI 25
Prototyping 27
Machining medium volume 29
Machining high volume 31
Machining transmission 33
Sheet metal & welding 35
Surface treatment 37
Assembly 39

## Business cases 41-57

Commercial vehicle 41
*Case: Scania*

Automotive 43
*Case: Gnutti Carlo Sweden*

Defence 45
*Case: SAAB*

Material & forest handling 47
*Case: Plantma Forestry*

Machine & production tools 49
*Case: Atling Steady Rest*

Mining & construction 51
*Case: Epiroc*

Energy 53
*Case: Voith*

Marine 55
*Case: Oxe Marine*

Medical 57

## Contact 58

# The Inducore mindset





**The world is changing rapidly as industries become more specialized and knowledge-driven. As a result, we are evolving into a partner for our customers, who now seek functional solutions rather than just individual components.**

We strengthen the global competitiveness of Swedish industry by combining entrepreneurship, internal coordination, best practices, and proactive product and business development.

We deliver world-class products, technical solutions, and services, becoming a “one-stop shop“ that leverages our expertise across markets to create greater customer value and drive profitable growth.

**Magnus Biesse**
CEO Inducore AB

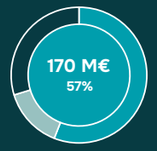
# Group areas



## Components

Our Components team acts as a value-creating partner providing innovative manufacturing processes and solutions.

Using our team's technical expertise, we are able to provide services ranging from single components to complete technical solutions.




Revenue




Employees

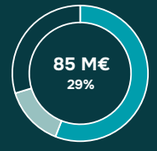
ATLING · axipto · BOLLNÄS VERKSTAD PRODUCTION AB · BJÖRKÖ MEKANISKA · FRV FRÄMMESTADVERKEN AB · Lemont YOUR PRODUCTION PARTNER · SJÖLANDERS Mekaniska AB · Svanströms · SWEPART Transmission



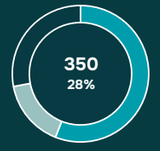
## Nordic Truck Bodies

Our Nordic Truck Bodies operation is the leading vehicle body builder in the Nordics.

We design, build and supply numerous superstructures for trucks and trailers within construction and contracting, as well as vehicles for distribution and long-distance transport.




Revenue




Employees

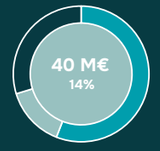
SÖRLING · pls TRUCK BODIES · norfrig TRUCK BODIES · NB SERVICE · GEHAB 1976



## Products & Systems

Products & Systems develops and supplies our own innovative products, services and technical solutions.

From the initial concept to the finished product, we work in collaboration with customers across our key niche markets to produce best-in-class solutions.



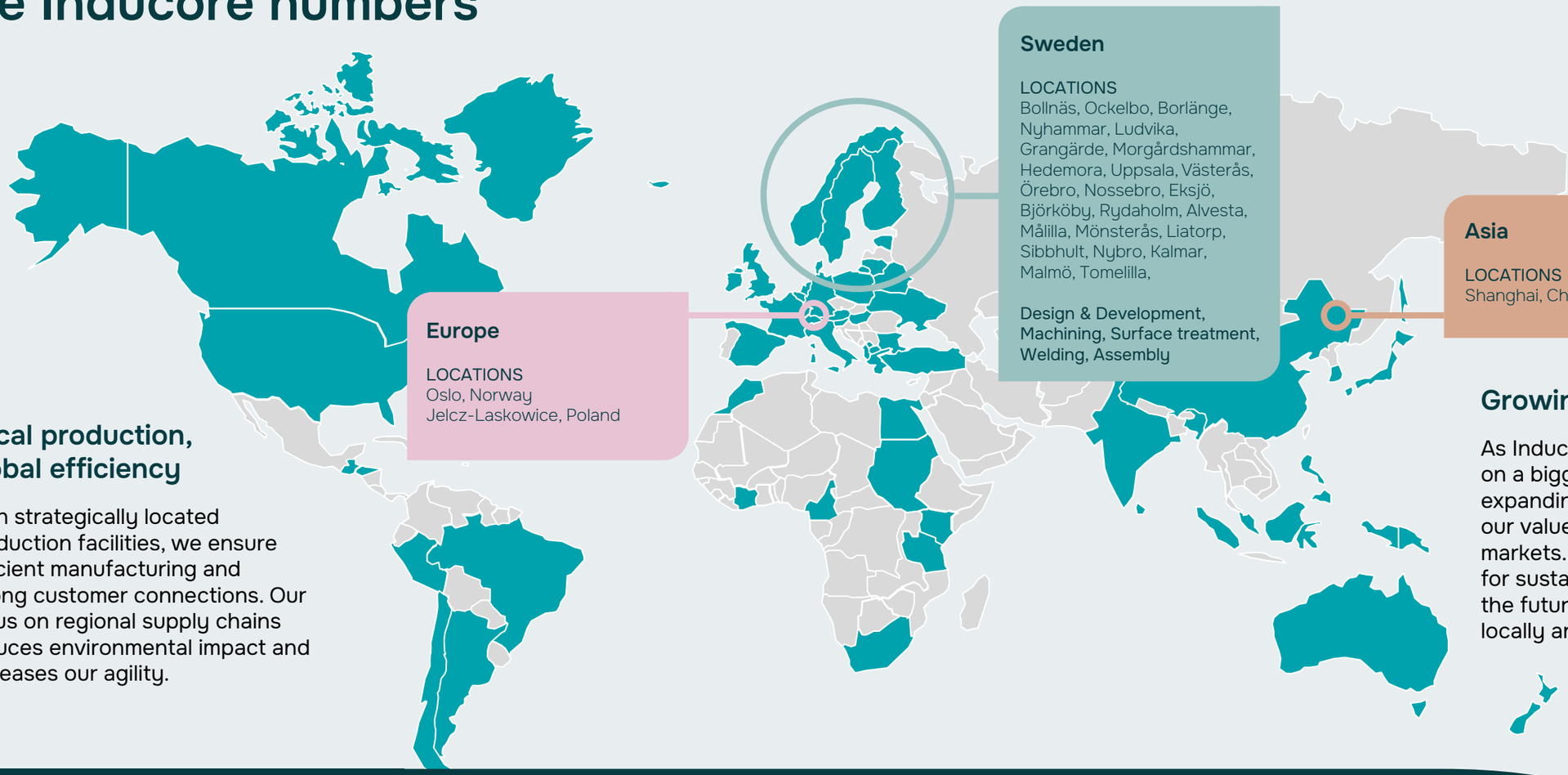

Revenue




Employees

HIAK · ARENCO · Presona

# The Inducore numbers



**Sweden**

LOCATIONS
Bollnäs, Ockelbo, Borlänge, Nyhammar, Ludvika, Grangärde, Morgårdshammar, Hedemora, Uppsala, Västerås, Örebro, Nossebro, Eksjö, Björköby, Rydaholm, Alvesta, Målilla, Mönsterås, Liatorp, Sibbhult, Nybro, Kalmar, Malmö, Tomelilla,

**Design & Development, Machining, Surface treatment, Welding, Assembly**

**Europe**

LOCATIONS
Oslo, Norway
Jelcz-Laskowice, Poland

**Asia**

LOCATIONS
Shanghai, China

## Local production, global efficiency

With strategically located production facilities, we ensure efficient manufacturing and strong customer connections. Our focus on regional supply chains reduces environmental impact and increases our agility.

## Growing markets

As Inducore grows, our vision takes on a bigger global perspective. We are expanding our presence and bringing our values and expertise to international markets. Guided by a clear strategy for sustainable growth, we are shaping the future of industrial solutions, both locally and globally.

| Group Areas | Production in | Production | Turnover | Employees | CNC-machines |
|---|---|---|---|---|---|
| 3 | 4 countries | 31 units | 300 million euros | 1200+ | 350+ |

# The Inducore people

Inducore values the power of human connection and collaboration, recognizing that our success is built on the expertise, creativity, and dedication of our people.

We believe in fostering a culture where each individual is empowered, respected, and given the opportunity to grow. By prioritizing continuous learning and open communication, we create an environment that sparks innovation and drives sustainable, meaningful progress.

We believe that our dedication to human values is key to consistently delivering exceptional results.





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**We invest in people. With strong growth opportunities in our companies and team, we build careers that last.**

**Join us for the long run.**

# Sustainability

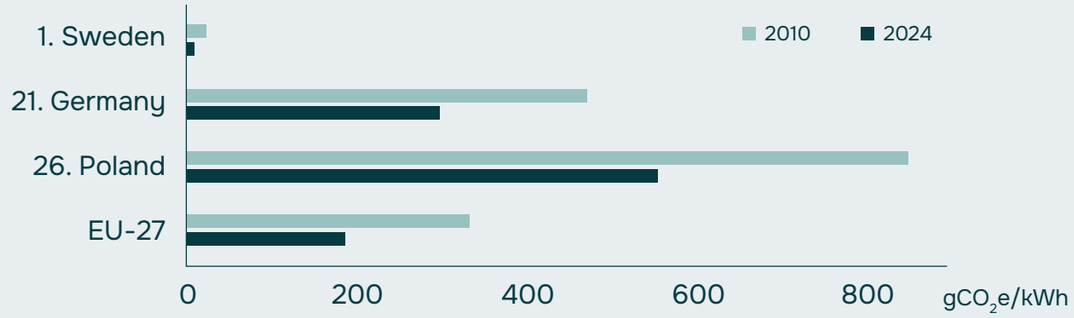
## Aligning business goals with environmental responsibility, ensuring that sustainability remains at the core of everything we do.

Operating in a country aiming for carbon neutrality by 2045, we are at the forefront of sustainability with a focus on renewable energy like wind, solar, and hydropower.

Local production offers environmental and economic benefits by reducing transportation emissions, minimizing waste, and supporting regional economies. It also promotes sustainability through renewable energy, optimized materials, and resilient supply chains, making the process eco-friendly and cost-effective.

We uphold high labor standards, ensuring fair wages, safe conditions, and respect for workers' rights. By promoting social equity and responsible practices, we support environmental and community sustainability, creating a more just global economy.

### Greenhouse gas emission intensity of electricity generation




*Source: European Environment Agency (EEA), Greenhouse gas emission intensity of electricity generation in Europe*



## Sustainability report

From 2021 we set and followed up on clear sustainability goals, culminating in a double materiality assessment aligned with the EU CSRD directive.

Our decentralized structure ensures that subsidiaries drive sustainability, supported by group-wide policies, training, and oversight, with each CEO and board accountable for integration and compliance.

Download and read our full sustainability report at inducore.se/hallbarhetsrapport/

## Advantages of manufacturing in Sweden

**Low climate impact**
Sweden's clean energy supply minimizes emissions from energy-intensive processes like melting.

**Innovation-driven efficiency**
Strong focus on digitalization and smart casting methods enhances energy and material efficiency.

**Strict environmental standards**
Widespread adoption of ISO 14001 and climate reporting ensures accountability.

**Local market proximity**
Shorter transport distances mean lower logistics emissions.

**High recycling rates**
Extensive use of recycled metal reduces the need for virgin materials.

**Quality and traceability**
High standards reduce scrap rates and unnecessary rework.

## Inducore Focus areas (UN Sustainable Development Goals)

**Sustainable transport**
= Reduced climate footprint

**Renewable energy sources**
= Sustainable energy supply

**Circular economy**
= Sustainable use of resources

**Innovation for the future**
= Technological shift for a sustainable society

**Safe & secure workplace**
= Offering an attractive workplace

**Diversity & inclusion**
= An engaged and motivated workforce

# The core of Components



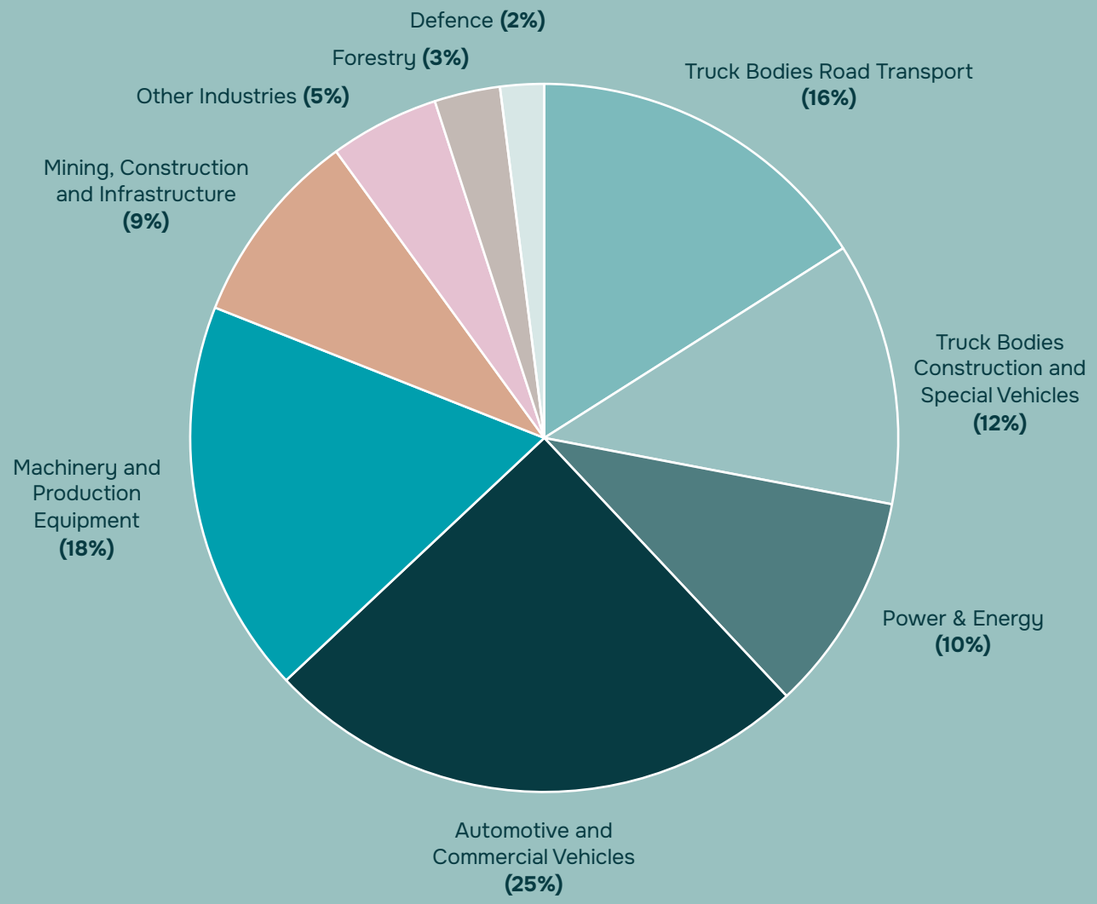
We are a strong, long term industrial group of independent companies with an entrepreneurial spirit. By sharing knowledge and best practice across technology, production, purchasing and marketing, we create value together. Short decision paths and close collaboration give our customers technical depth, high quality and reliability.

As a trusted partner, we contribute to a sustainable society and build lasting value for future generations.



# Market segment

**A strong product portfolio and geographical spread towards strategic markets and customers provide the conditions for sustainable growth and balanced risk, which reduces sensitivity to market fluctuations.**




## Customers that trust Components

Commercial & Automotive

Construction

Power & energy

Forestry & Agriculture

Medical

Machinery & production

Mining & construction

Defence

Marine

Other industry

# Complex solutions - One supplier

By offering a fully integrated value chain, we deliver complex solutions through a single point of contact. Our strengths are further enhanced by a close collaboration with our partners.

Through close collaboration with our sister groups, Anva and PVI, we harness shared expertise, aligned processes, and a unified way of working to deliver added value to our customers.

## Fully integrated value chain

### Development, Design & Engineering

We refine design & ensure manufacturability

**Partners**

Iscar
Seco
Prevas

Machine builders
CAD/CAM

### Raw Material, Casting & Forging

Supply & Sourcing

**Partners**

Componenta
Draxton
M. Busch
Ljunghäll
Hydro
Holsbyverken
Norrlands gjuteri
Ovako
Vald Birn
SSAB
Storebro Gjuteriet
Profilgruppen

### Machining

From turning to complex 5-axis machining

**Precise Gears**

Precision-engineered gears crafted through advanced, fully controlled manufacturing.

### Welding

From skilled craftsmen to high-speed robot welding

### Surface Treatment

From pre-treatment to top coat, ED and powder coating.

**Partners**

Aalberts surface technologies
Body coat
LP Tech AB
Mastec CCTech AB
SW Advanced Coating

### Special Contracting

Extreme environmental requirements, certifications (ISO, MIL-STD), or to comply with regulations from authorities or the defense sector.

Inducore In-house

Partner Network



### Heat Treatment

Induction hardening,
Case hardening

Material laboratory for testing, analyzing, and researching the properties.

### Assembly

From partial assembly to completion of entire systems.

### Logistics

Customized to your needs, we offer warehousing and shipping

## Seamless customer experience

# Selection of Suppliers

Raw Material, Casting & Forging

**Nordics:**
- Arvika Gjuteri, Sweden
- Holsbyverken, Sweden
- UMS Castings, Sweden
- Bharat Forge, Sweden
- Forgex, Sweden
- Ovako, Sweden
- Vald. Birn A/S, Denmark
- Componenta, Finland

**Europe:**
- Fondium GmbH, Germany
- Hundhausen Casting, Germany
- GmbH / Beinbauer, Germany
- Ortrander, Germany
- GF, Germany
- Musashi, Germany
- Castings PLC, UK
- Draxton Teruel, Spain
- Draxton Barcelona, Spain
- Val Giovanni, Italy
- Draxton, Rovigo, Italy
- O Cava, Italy
- Zanardi, Italy
- Slévárna Kuřim, Czech Republic
- SKB Drive Tech, Poland
- AAPICO, Portugal
- Döktas, Türkiye
- Yazkan, Türkiye
- Demissas, Türkiye

**India:**
- Brakes, India
- Bharat Forge, India

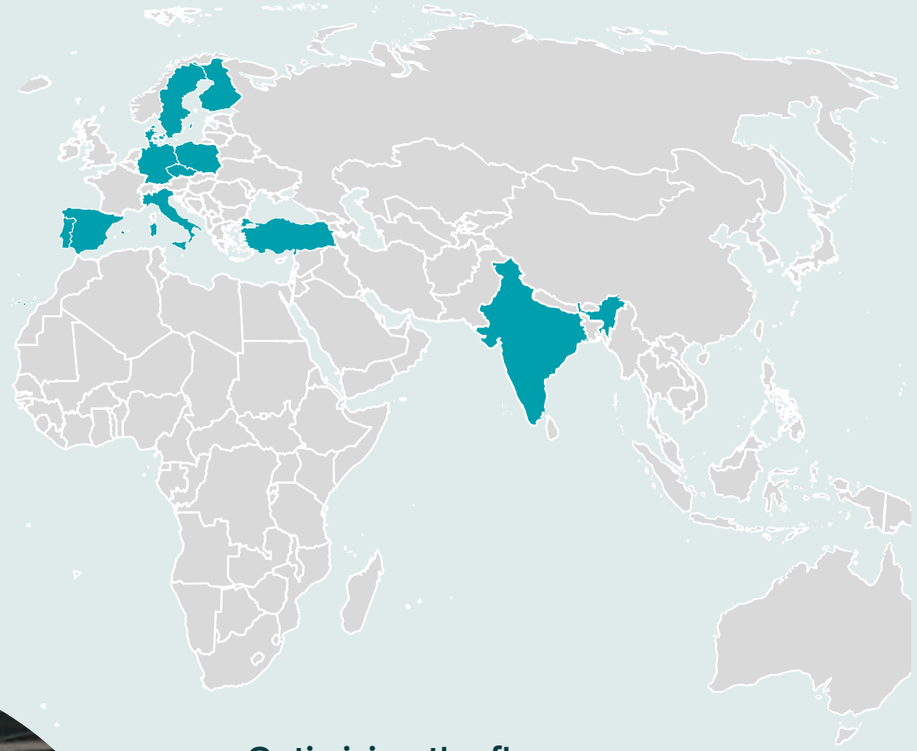
**China:**
- Tri-Ring, China





## Right partner for the right customer

We work with a broad network of suppliers and foundries, giving us extensive experience across different manufacturing capabilities and processes. Based on our technical know-how and the specific requirements of each project, we select the most suitable supplier to deliver the right solution for our customers.



## Optimizing the flow

Weekly truck deliveries from several foundries to our production sites ensure a stable and reliable flow of materials. This regular logistics setup enables consistent lead times, flexible production planning, and a fast response to changing customer requirements.

By consolidating shipments, we optimize freight utilization, resulting in more competitive transport rates and overall cost efficiency.

# Design & Development

## Inducore rethinks the design from the ground up to make it more cost-effective and completely error-proof.



One of our key services that makes us at Inducore a preferred supplier is our industrial production development, optimizing manufacturing processes to deliver high-quality, cost-effective products.

We blend innovative design with practical production considerations, focusing on material selection, manufacturability, and assembly ease. By collaborating with designers, engineers, and manufacturing experts, we ensure your products are ready for efficient scaling.

Our development process refines design, manufacturing workflows, machinery, and quality control systems, utilizing automation and CAD technology to ensure precision and speed.

## Ensuring manufacturability

From quotation, we analyze designs to spot errors, suggest improvements, and ensure manufacturability, adjusting non-producible elements early for clarity and efficiency. Many reviewed documents have errors.

We find them and suggest options ensuring efficient production as a collaborative partner focused on quality. Problem-solving is our strength - and we leave nothing to chance.





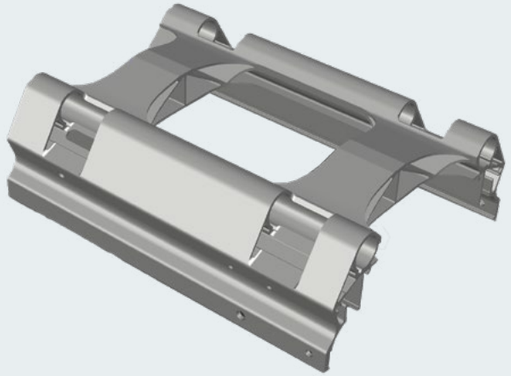
### Starting Point
We work closely with customers and their design teams to ensure the final product meets industry standards, regulations, and specifications.

### Prototyping and Testing
Prototypes are created, reviewed and analyzed to ensure durability, safety, and performance.



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## Case

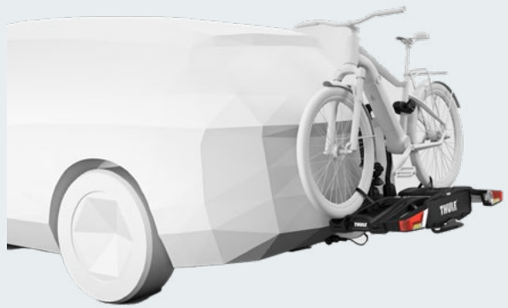





## Thule EasyFold XT

Thule's bike carrier, engineered by Inducore together with the customer, faced the challenge of achieving the high precision needed to withstand vibrations and ensure a stable bike attachment.

**Solution:** Milling process in separated operations. This ensured the precision required to provide the structure with stability and strength. Machining was split, based on actual component function to meet needed tolerancing between machining and extrusion.



### Know-How Meets Technology
Our development team combines deep industry expertise and advanced technologies like CAD, 3D printing, and high-performance materials to enhance component strength, durability, and efficiency, ensuring optimal quality and lifespan.

### Quality Control
Quality is central to our development process, with subcontractors adhering to strict industry regulations and certifications (e.g., ISO, CE) to ensure every component meets required standards.

### Continuous Innovation
Our in-house team continuously improves product design through feedback and post-launch reviews, staying in close contact with customers to address challenges and keep solutions industry-leading.

# Design & Development

## In focus: Transmission





### Transfer gearbox for all-wheel-drive trucks

Transfer gearbox for all-wheel-drive trucks, developed and manufactured for demanding heavy duty applications.

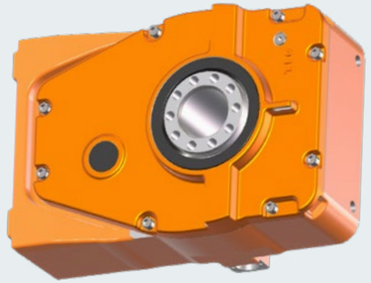
Designed to handle high torque levels while delivering excellent efficiency and durability. Featuring five selectable gear ratios and Automatic Traction Control (ATC), the solution offers flexibility, traction, and performance across a wide range of operating conditions.

### Gearbox for precision

A family of high performance gearboxes engineered for applications demanding exceptional precision and reliability.

Designed and manufactured to deliver a zero-backlash solution, ensuring accurate positioning, smooth operation, and long-term performance.

The gearbox range includes optimized models, covering a wide span of torque requirements and installation needs.





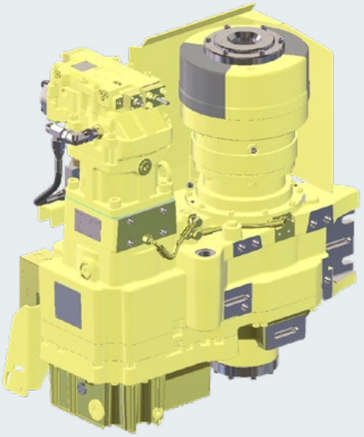
### Marine diesel applications

An optimized, robust and high-performance drivetrain solution designed for marine diesel outboard applications.

All key components are manufactured and assembled in-house, ensuring high quality, precision, and reliability. The transmission efficiently transfers engine power to the propeller and is engineered to handle high torque and demanding marine operating conditions.

### Gearbox for mineral exploration

A robust gearbox and chuck engineered, developed, and manufactured for demanding deep drilling applications. Designed to support mineral exploration at depths of up to 2.5 km, delivering exceptional reliability and performance in extreme conditions.



## Process flow

**Gearbox solutions designed with sustainability in mind, focusing on energy efficiency, lower emissions, optimized material use, and circular manufacturing. Strong engineering and gearbox design capabilities are key to meeting demand for customer-specific gearboxes, high-precision gears, and integrated transmission solutions.**

**Project starting point based on the customer's specific requirements and performance targets.**

**Design and engineering, including validated calculations and simulations.**

**Prototype development with in-house manufacturing of components and complete assembly.**

**Comprehensive testing covering functional verification and field trials.**

**Efficient and evaluated serial production and assembly.**

# Automation

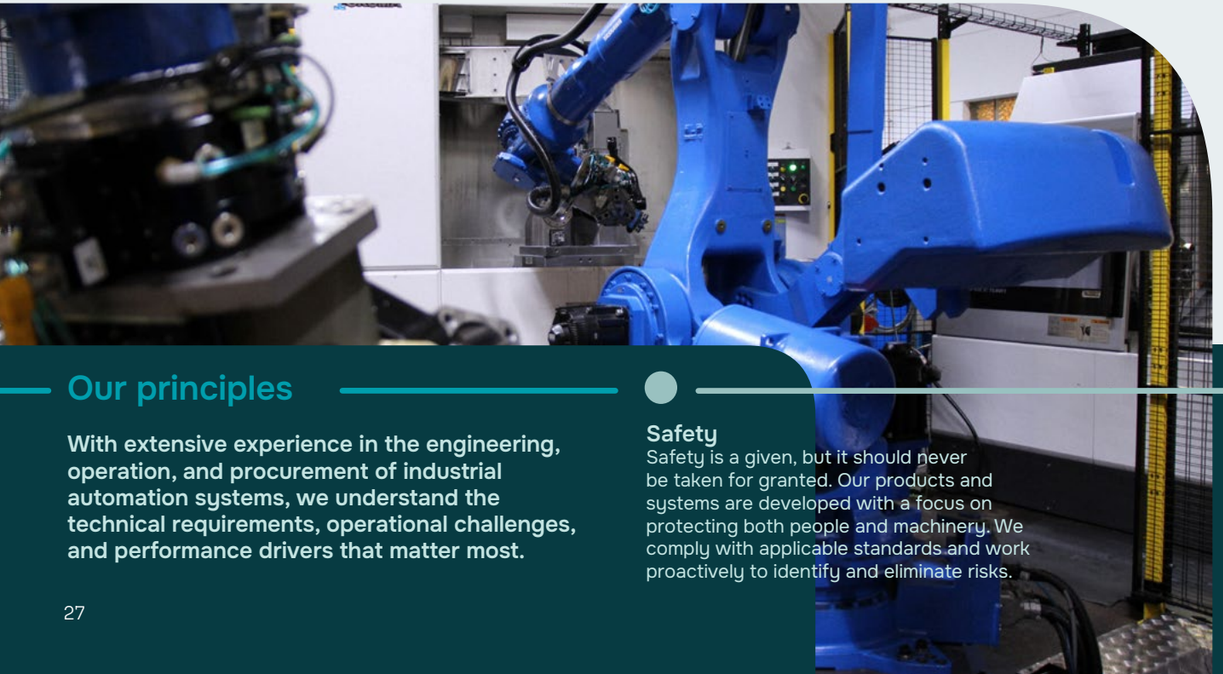


## Inducore specializes in the design, engineering, and commissioning of industrial automation solutions based on robotics, custom machinery, and tailored software.

We deliver flexible robot integration with rapid ROI through optimized robotic cells and special-purpose machines for machine tending, deburring, picking, palletizing, and assembly operations.

Our extensive experience in robotic manufacturing gives us a unique understanding of our customers' needs. With strong technical expertise across mechanical engineering, electrical systems, software development, and system integration, we provide complete support throughout the entire automation journey, from concept and design to implementation and integration with MES and ERP systems.

These core disciplines are part of our DNA, enabling us to seamlessly bring them together into efficient, reliable, and future-proof automation solutions tailored to each customer's specific requirements.



## Our principles

**With extensive experience in the engineering, operation, and procurement of industrial automation systems, we understand the technical requirements, operational challenges, and performance drivers that matter most.**

### Safety
Safety is a given, but it should never be taken for granted. Our products and systems are developed with a focus on protecting both people and machinery. We comply with applicable standards and work proactively to identify and eliminate risks.



# AI-Factory

## Staying ahead is a choice. In a demanding market that never stops changing, staying competitive means continuously developing how we produce. AI is no longer a topic for the future. It is here, and we are implementing it across all of our sites.

This is a shared business area where we, as a group, are taking a big leap by developing it together. Through hands-on trial and error with our partners, we gain experience that we put to use in our automation work.

## The first steps to smarter production:

### Troubleshooting
Faster fault detection through AI implementation, supporting our maintenance technicians.

### Machine utilization
Optimized planning of day and night shifts to maximize machine hours.

### Ongoing projects in the Group:
- Predictive maintenance
- Investments in humanoid robots
- All types of analysis from raw data



### Ease of use
Technology should be easy to use. We place great emphasis on intuitive interfaces and clear information, enabling our customers to focus on their business rather than on understanding the systems.

### Sustainability
People – Planet – Profit is the very foundation of our offering. We believe that sustainability must encompass the entire value chain, from people to the environment and ultimately to economic performance.

### Technological Innovation
We strive to stay at the forefront of technological development, integrating smart solutions where they create real value. For us, innovation is about enhancing functionality, improving efficiency, and ensuring long-term future readiness.

# Prototyping

## The start of error proof, full scale manufacturing

| | Type | Inducore handles |
|---|---|---|
| Capabilities | **Machining** | 50 grams up to 40 tonne |
| | | 5 mm up to 24 meters |
| | **Welded** | Up to 50m. Up to 50 tonne |

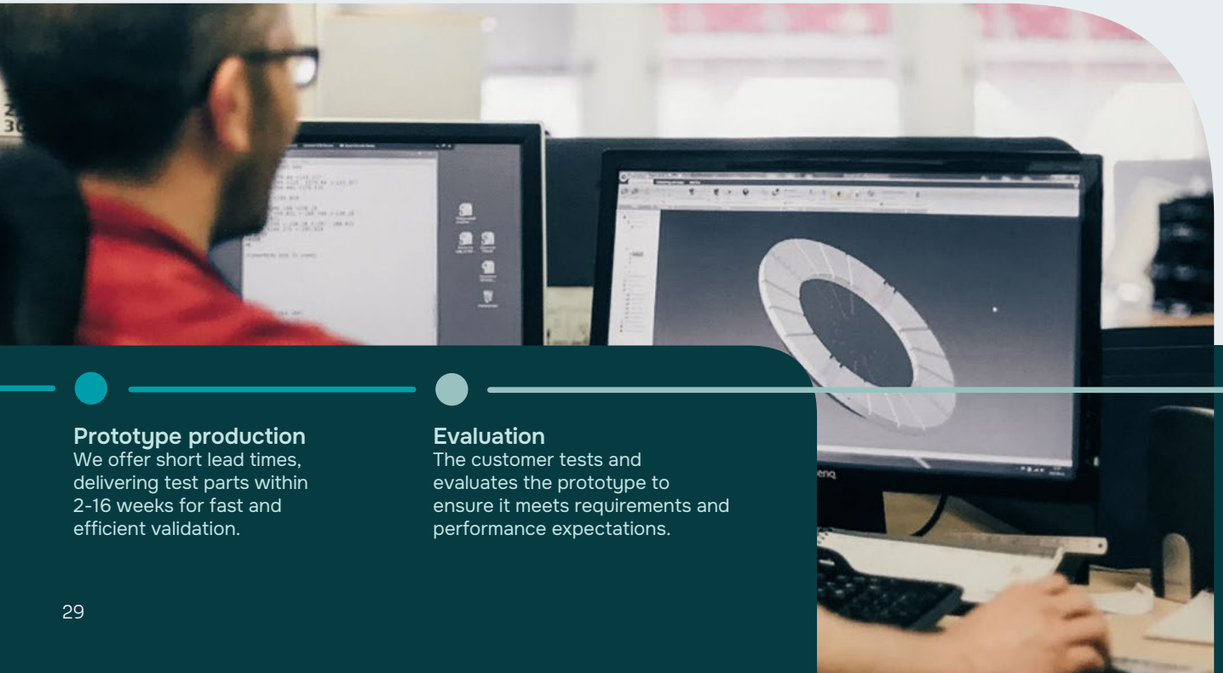


## Precision and partnership

We offer prototyping across all processes, helping customers transition smoothly from prototype to medium and high-volume production. We take full responsibility for materials, fixtures, and tools, driving the process efficiently for a seamless experience.

Specializing in complex industrial prototyping, we produce small lots using 3D printing, rapid tooling, and CAM-based machining. Working with strong local partners, we ensure short lead times and focus on quality, functionality, and efficiency to bring ideas to life faster.

Through close collaboration, we build strong customer relationships and aim to secure long-term volume production, showcasing our expertise, reliability, and commitment to quality at every stage.



**Prototype production**
We offer short lead times, delivering test parts within 2-16 weeks for fast and efficient validation.

**Evaluation**
The customer tests and evaluates the prototype to ensure it meets requirements and performance expectations.

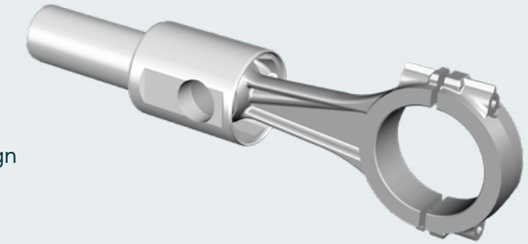


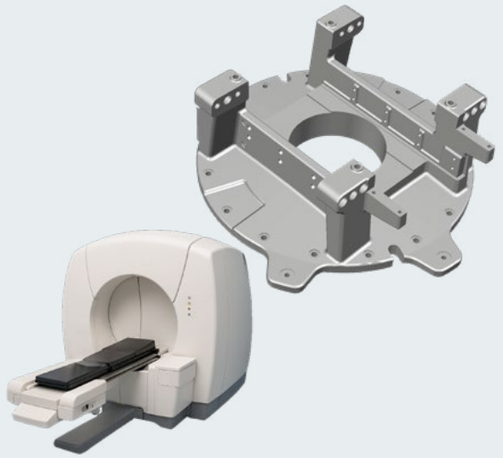
Components manufactured by

inducore Components

## Rapid prototyping with 3D-printed sand mold

A 500 mm prototype was needed on short notice. To save time and avoid the cost of wooden models or welded constructions, we 3D-printed the sand mold directly from the CAD file. By skipping several traditional steps in the process, we were able to deliver quickly – from digital design to machined casting in minimal time. This is a clear example of how additive manufacturing is transforming foundry technology when speed is critical.





## CNC-milled foam model for casting

A machinery manufacturer required a large prototype base for radiation therapy equipment, measuring 2.5 meters in diameter, with a very tight delivery schedule. To save both time and cost, we replaced traditional welded construction and expensive wooden models with a CNC-milled foam model for full mold casting. The result was a precise, dimensionally stable ductile iron prototype – delivered rapidly and at only 10–25% of the cost of a conventional model. This allowed the customer to proceed quickly with testing and further development.

**Changes / Improvements**
After testing and evaluation, necessary changes and improvements are made to optimize the product.

**Pre-series**
A pre-series may be produced for market testing, ensuring the product meets expectations before full-scale production.

**Full scale production**
With our involvement from prototype to production, we accelerate time to market while optimizing costs, materials, and overall efficiency.

# Machining Medium Volume

## Component volume 10 - 10 000

| Capabilities | | Ø | Length | Width | Height | Weight |
|---|---|---|---|---|---|---|
| | **Milling** | 1 000 | 10 000 | 4 000 | 7 000 | 0,05 - 15 000 kg |
| | **Turning** | 2 500 | 28 000 | NA | NA | 0,05 - 15 000 kg |
| | **Grinding** | 500 | 4 000 | 2 000 | 1 000 | 0,05 - 10 000 kg |

Measurements in mm



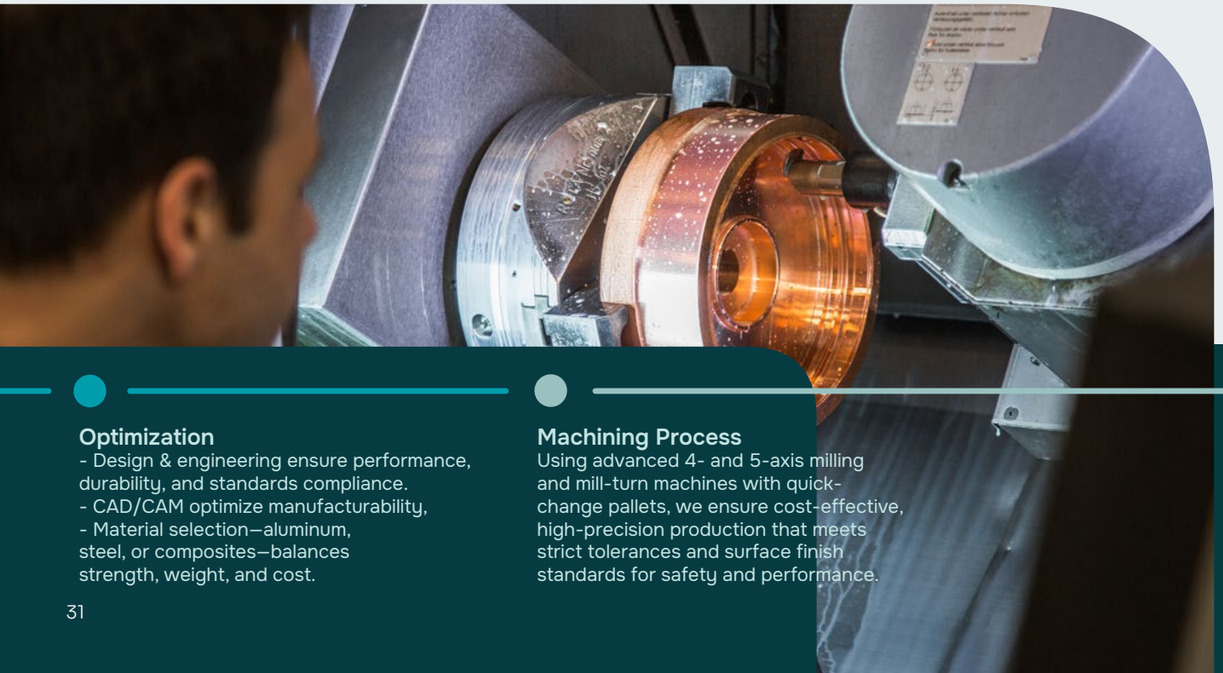
## Precision and efficiency

Inducore specializes in machining for the efficient production of components in moderate quantities, typically ranging from hundreds to thousands of parts, balancing precision with cost-effectiveness. This process is ideal for OEMs and suppliers who demand consistent quality and on-time delivery.

We manufacture in all requested materials, offering flexibility and agility to adapt to our customers' needs.

Our streamlined processes and problem-solving approach ensure efficiency and accuracy from the start.

Customers choose Inducore for our commitment to high-quality standards, advanced machining capabilities, and reliable service, ensuring their production needs are met with precision and efficiency.



### Optimization

- Design & engineering ensure performance, durability, and standards compliance.
- CAD/CAM optimize manufacturability,
- Material selection—aluminum, steel, or composites—balances strength, weight, and cost.

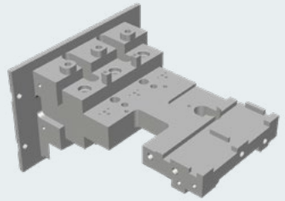
### Machining Process

Using advanced 4- and 5-axis milling and mill-turn machines with quick-change pallets, we ensure cost-effective, high-precision production that meets strict tolerances and surface finish standards for safety and performance.



## Components manufactured by

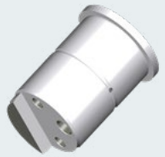
inducore Components



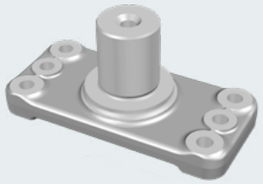
Component **Valve housing** 0,5kg



Component **Brake bracket** 5kg



Component **Pin** 15 kg



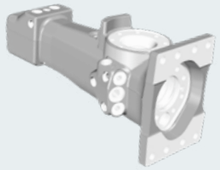
Component **Bracket** 8kg



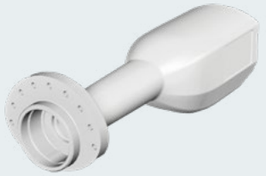
Component **Rear shaft bridge** 120kg



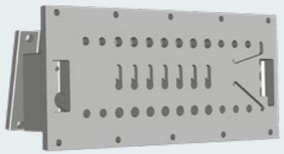
Component **Brackets** 50kg



Component **Hammer body** 48kg



Component **Handle** 0,6kg



Component **Adapter block** 11kg

### Quality Control

Throughout production, rigorous quality control measures are in place, including automated inspection systems and manual checks. This ensures that each part meets specifications, reducing waste and minimizing the risk of defects.

### Assembly and delivery

After machining, the parts undergo assembly (if needed) and are packaged for delivery to OEMs or Tier 1 suppliers. The ability to scale production within a medium-volume range allows for flexibility in meeting demand while maintaining high quality and competitive pricing.

# Machining High Volume

## Component volume 10 000 - 1 000 000

| Capabilities | | Ø | Length | Width | Height | Weight |
|---|---|---|---|---|---|---|
| | **Milling** | 1 000 | 2 000 | 2 000 | 2 000 | 0,05 - 2 000 kg |
| | **Turning** | 1 000 | 4 000 | NA | NA | 0,05 - 2 000 kg |
| | **Grinding** | 400 | 2 000 | 2 000 | 1 000 | 0,05 - 2 000 kg |

Measurements in mm



## Precision machining meets sustainable scalability

Inducore's high-volume machining with fully automated production lines ensures precision, efficiency, scalability, and flexibility. We deliver high-quality components quickly and cost-effectively, meeting the industry's demanding needs.

By combining advanced technology with sustainable practices, we provide reliable production while prioritizing eco-friendly operations across our entire supply chain.

Our adaptable and scalable production lines allow us to adjust output swiftly, maintaining high standards of quality and sustainability. This flexibility enables us to respond to market changes efficiently while upholding our environmental commitments.





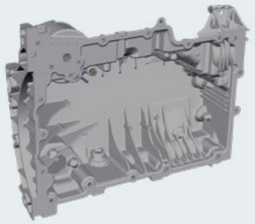
**In-house built, fully automated line**
Our advanced automation systems, including robots, multi-axis machines, and automated material handling, ensure high-volume, precise production with minimal human intervention.

**High precision**
Automated systems ensure consistent machining operations, meeting stringent tolerances crucial for the heavy vehicles sector



inducore Components

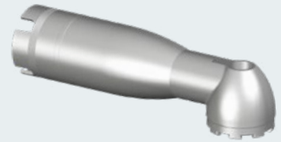
## Components manufactured by



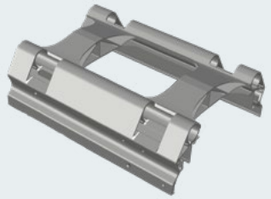
Component **Oil pan** 4,2kg



Component **Crossmember** 80kg



Component **Angle head** 0,7kg



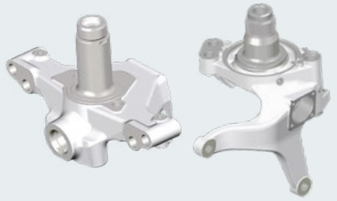
Component **Bike stand** 2 kg



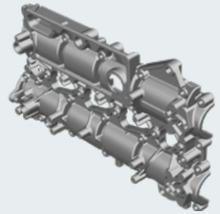
Component **Battery bracket** 38 kg



Component **Sideboard latch** 1,5kg



Component **Steering knuckle** 30kg



Component **Cam housing** 3,2kg



Component **Timing gear plate** 10 kg

**Efficient material handling**
Automated systems optimize production flow, reducing downtime and improving efficiency.

**Quality control**
Integrated inspection systems perform real-time quality checks, maintaining high standards throughout production.

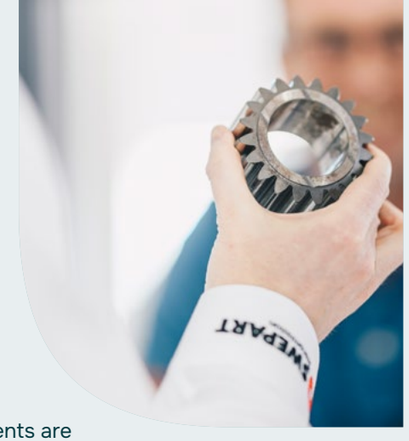
**Scalability & cost efficiency**
Fully automated lines offer scalable manufacturing, reducing labor costs, minimizing waste, and optimizing energy use.

# Machining Transmission

## Component volume 1 - 500 000

| Capabilities | Ø | Module |
|---|---|---|
| | 20-600mm | 1-5 |

Measurements in mm



## Mechanical transfer of force and power

Modern and competitive manufacturers of customer-unique gearboxes, precision-ground or honed gears, and other transmission-parts for vehicles and industry. In cooperation with our customers, we take overall responsibility for design, engineering and manufacturing of transmission components and solutions.

Wherever power and force are shifted up, down or transferred mechanically, we have production, packaging and logistics solutions.

Manufactured components are used in the assembly of complete gearboxes, power take-offs, and related transmission systems.

These assemblies are delivered either to internal gearbox assembly operations or directly to customers for integration into automotive, forestry, and construction machinery. Both in batch and sequence deliveries.



### Turning
The forged blanks are turned to create a geometrically accurate semi finished component, preparing the part for subsequent gear cutting operations.

### Gear / Spline Cutting
The gear teeth are machined depending on gear type (spur, helical, bevel, planetary, etc.)
Common methods include:
- Gear hobbing
the most common method for external gear teeth
- Gear shaping
suitable for internal external gear teeth

### Broaching
When internal straight splines are required, broaching is used to achieve the specified geometry and accuracy.

### Heat Treatment
Majority of gears are case hardened in in-house case hardening furnaces to achieve the required surface hardness and core strength. An in-house materials laboratory enables controlled analysis and validation of components.



## Components manufactured by



Component **Sun Gear** 5,5 kg



Component **Output Shaft** 16,3kg



Component **Gear Crankshaft** 2,8 kg



Component **Engine PTO** 16 kg



Component **Transfer Gearbox** 165 kg



Component **Engine Gear** 8,2 kg



Component **Idler Gear** 3,9 kg



Component **Planet Gears** 1-2 kg



Component **Single PTO** 11 kg

### Gear Finishing
In subsequent operations, the gears are either ground or hard turned. In the final step, gear grinding or gear honing is performed to achieve the required final precision and surface finish.

### Measurement & Quality Control
Comprehensive inspection is performed and includes, among others:
- Gear geometry measurement (profile, pitch, lead)
- Run out and concentricity measurement
- Surface roughness measurement

### Delivery
The finished gears are delivered with appropriate corrosion protection and customer specific packaging solutions, designed to prevent damage during handling and transportation.

# Sheet metal & Welding

## Component volume 1 - 1 000

| | | Ø | Length | Width | Height | Weight |
|---|---|---|---|---|---|---|
| Capabilities | **Welding** | 15 000 | 0-25 000 | 5 000 | 4 500 | 0,05 - 65 000 kg |
| | **Press-brake** | | | | | 650 tonnes |
| | **Sheet cutting** | N/A | 12 000 | 2 500 | 150 | 10 tonnes |

Measurements in mm



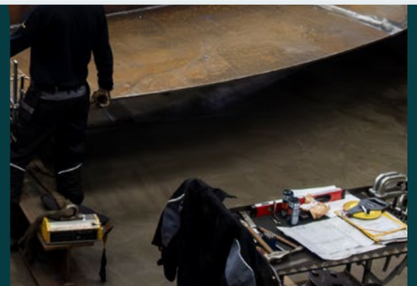
## Reliable engineering with precise craftsmanship

We blend traditional skills with advanced technology to create sustainable, high-performance solutions. We consistently deliver high quality by combining deep industry knowledge with modern production techniques. Our expertise in small batch manufacturing ensures precision and flexibility tailored to unique customer needs. For higher-volume production, we always use robot welding to secure quality at the right price level.

Our energy-efficient welding methods and environmentally friendly materials help reduce emissions and waste, without compromising on quality.

Focused on building long-term partnerships, we aim to be a trusted partner for all welding and sheet metal projects – delivering value through every detail.





**Material Preparation**
Sheet metal is sourced, cut to required dimensions, and cleaned to remove contaminants before welding.

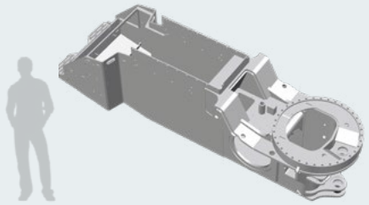
**Design & layout**
CAD designs guide cutting, bending, and welding to ensure precise assembly.

**Bending & forming**
The sheet metal is bent into shape using press brakes or roll forming machines.

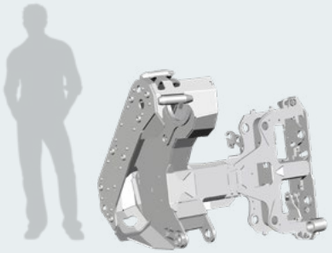


## Components manufactured by

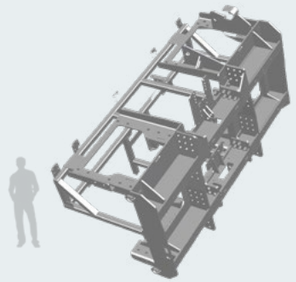
inducore Components



Component **Base frame** 1547 kg



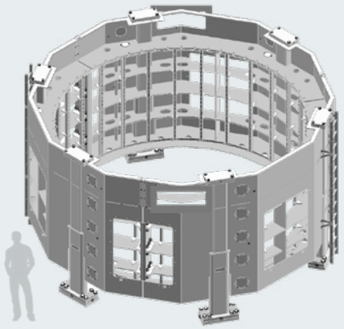
Component **Harvest head** 770 kg



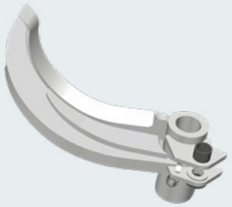
Component **Winch rack** 650 kg



Component **Foot step** 13kg



Component **Frame** 30 ton



Component **Claw knife** 80 kg

**Welding**
Components are welded together using methods like MIG or TIG welding for a strong structure. WPQR and WPS are used to ensure quality of required component.

**Handling & Quality Control**
Components undergo inspections and tests to ensure strength and alignment. ISO-standard 3834-2, 15085-2, 1090-1 is used in the welding process.

**Finishing**
On customers request the component can be grounded, sanded, or polished, and surface treatments like powder coating or galvanizing can be applied for durability and aesthetics.

**Assembly & Packaging**
Welded components are assembled into larger systems and carefully packaged for delivery.

# Surface treatment

## Component volume 1 - 500 000

| | | Length | Width | Height | Weight |
|---|---|---|---|---|---|
| Capabilities | **Powder coating** | 2 500 | 600 | 800 | 450 kg |
| | **Conveyor capacity** | 2 500 | 600 | 800 | 450 kg |
| | **Pre-treatment** | 2 500 | 600 | 800 | 450 kg |
| | **ED (Electro Dipping coating)** | 2 500 | 600 | 800 | 450 kg |
| | **Wet paint** | 24 000 | 2 000 | 3 000 | 3 000 kg |

Measurements in mm



## Exceptional result every time, on time.

Inducore is a trusted provider of high-quality, sustainable surface treatments, committed to efficiency and environmental responsibility.

Our advanced processes—including zinc-manganese phosphating, ED coating, wet painting, and powder coating—deliver exceptional results for industries such as automotive and heavy vehicles.

With an automatic closed system, we handle parts up to 450kg, offering tailored solutions for durability and corrosion resistance. Our eco-friendly powder coating and cost-effective options for all batch sizes make us an ideal partner.

We ensure quick turnaround, flexibility, and on-time delivery, providing reliable results every time.

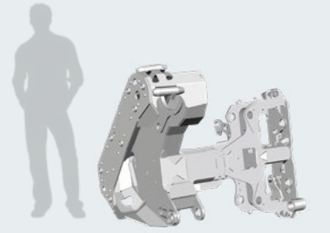


### Pre-treatment
12 step pre-treatment process, featuring zinc-manganese phosphating. This ensures the right conditions for a durable result. We offer pyrolysis and sandblasting when necessary. Parts pass through an automatic closed system, guaranteeing high-quality standards before the application of ED coating, wet painting, or powder coating.

### Primer
After pre-treatment, a primer is applied to enhance the adhesion and durability of the coating. This ensures optimal bonding between the surface and subsequent layers.



## Components manufactured by



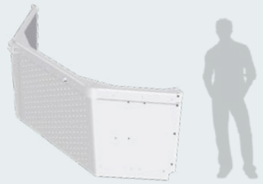
Component **Harvest head** 770 kg



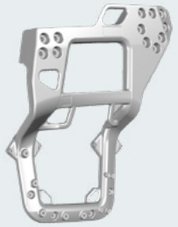
Component **Electrical battery bracket** 38 kg



Component **Grid power flange** 332 kg



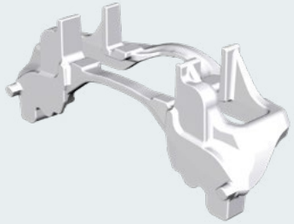
Component **Wheel cover** 80 kg



Component **Fork** 180 kg



Component **Crossmember** 80 kg



Component **Caliper** 10kg



Component **Isolator** 186 kg



Component **Engine bracket** 20 kg

### ED Coating
ED coating provides full-coverage barrier protection with high corrosion resistance. Combined with zinc-manganese phosphating, it ensures durability. Thickness (18-30 µm) is adjustble per application.

### Wet painting
Wet painting is applied for additional surface protection or aesthetic requirements. This process is ideal for parts needing a smooth and consistent finish.

### Powder coating
Powder coating is a solvent-free, eco-friendly process. Powder can be applied as a single layer coating or in a two layer system together with ED coating for increased corrosion resistance. With three color-change boxes, our line ensures cost-effective production, even for small batches.

# Assembly

## Component volume 1 - 250 000

| | Type | Inducore handles |
|---|---|---|
| Capabilities | **Components weight** | 50 gram up to 50 tonnes |
| | **Components size** | 5 mm up to 50 meters |
| | **Assembly complexity** | 2 - 2 000 parts |



## Simplify the supply chain

By integrating both in-house and externally produced parts into a streamlined assembly process and managing the project efficiently, we deliver high quality, cost-effective products.

Inducore simplifies the supply chain, leading to smoother production, fewer bottlenecks, and reliable on-time delivery—crucial in today's competitive market.

Our flexible approach allows scalability to meet varying production volumes, while our strict quality control ensures that all components, whether sourced internally or externally, meet the highest standards.

This integration enhances efficiency, reduces costs, and ensures customer satisfaction throughout the production cycle.



**Project management**
A project manager coordinates production, manages timelines, and resolves any supply chain issues. Risks are mitigated with contingency plans.

**In-house production**
Parts are designed, manufactured, and quality-checked in-house before being prepared for assembly.



## Components manufactured by

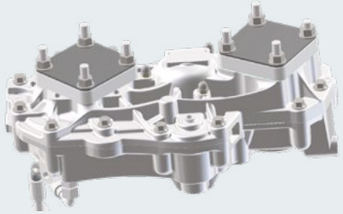
inducore Components



Component **Fan bracket** 7,5 kg



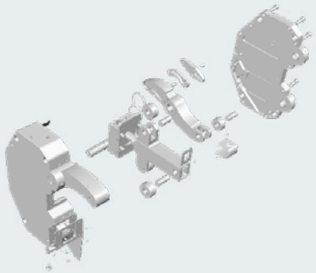
Component **Boggie bracket** 395 kg



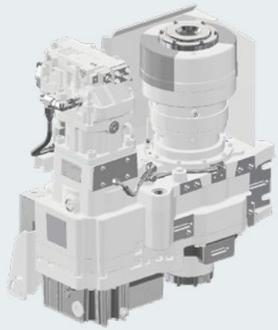
Component **Double PTO** 25 kg



Component **Sideboard latch** 1,5kg



Component **Steady rest** 73 kg



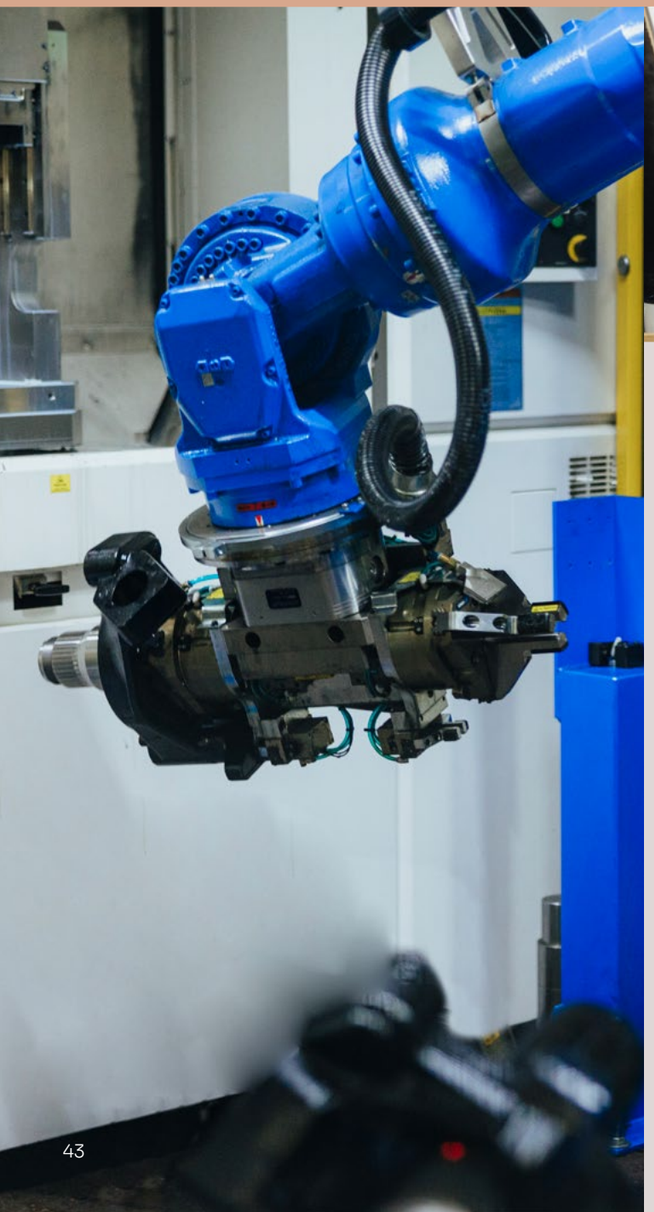
Component **Gearbox** 800 kg

**External supplier coordination**
Suppliers are selected based on quality, lead time, and cost. Parts are ordered, inspected upon arrival, and discrepancies are addressed.

**Assembly process**
Parts are assembled with precision, and tested to meet performance and safety standards.

**Final inspection & delivery**
The assembled product undergoes quality & functional inspection before packaging and timely delivery as per customer specifications.

# Commercial Vehicles





## High level of automation

Our production is highly automated with advanced robot-tended machines with full automation from incoming to outgoing pallets. Operators monitor robot cells rather than handling products directly. This way we keep labour cost below 5% of the part price even though we operate in a high salary region.

We focus on long-term solutions, cost-effective processes, and maintaining open communication with customers.

Our core expertise lies in chassis, powertrain and engine components. To ensure optimal manufacturability, we begin supporting our customers right from the prototype phase. Early involvement of production experts is crucial to developing components optimized for efficient production.



## Case: Scania - In the forefront

inducore Components

”We keep choosing Axipto thanks to their entrepreneurial spirit and ability to make necessary actions and investments for increasing quality and productivity. Axipto also takes a large responsibility for the supply chain by actively managing the tier 2 partners enabling improved delivery performance and quality. An important base for our co-operation is an open and clear communication.”

TOBIAS OLSSON
**Sourcing Manager, Scania**

## A collaboration through trust and high productivity

Axipto is dedicated to being customer-focused, ensuring smooth supply chains and timely deliveries through proactive communication. Our expertise in automation gives us a competitive edge, designing and building all production lines in-house.

We are enhancing our already robust supplier base through deeper collaboration within Inducore Components. By leveraging the collective strength of the entire group, we aim to continue improving and growing.

Scania has been a customer of ours since the early 1980s. This strong partnership has allowed us to improve improve productivity, stabilize development processes, and meet Scania’s demands for continuous price reductions.

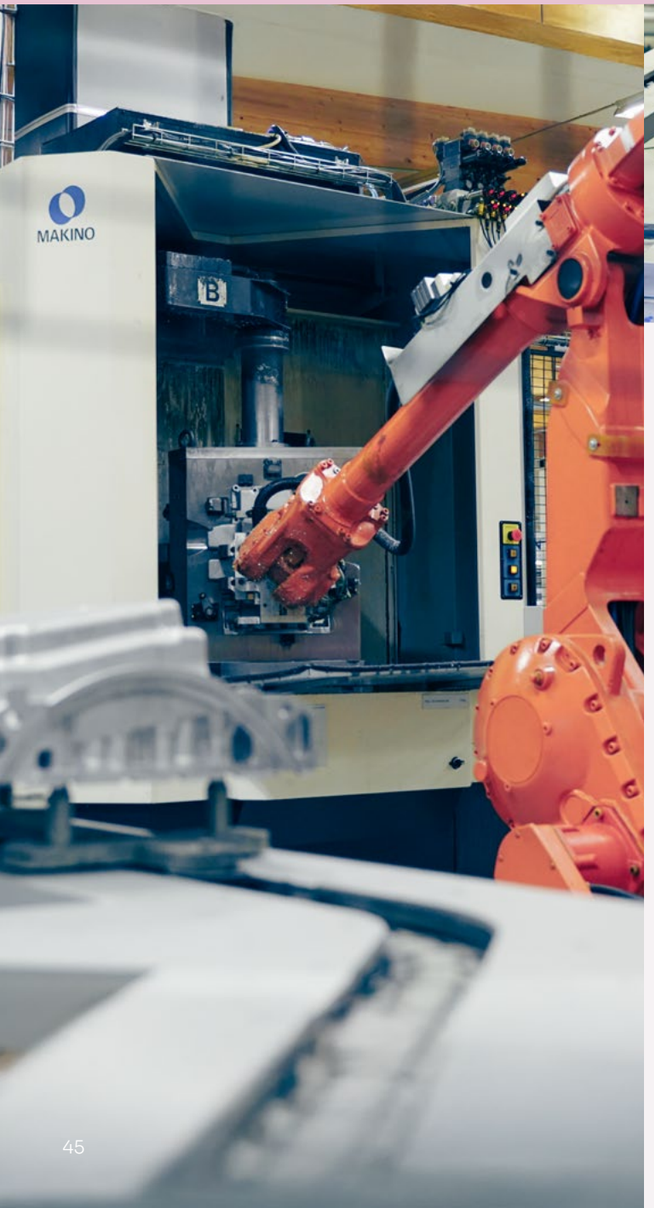
Looking ahead, our focus is on further developing our highly automated production and raising the quality bar even further.

State of the art trucks built from state of the art components.




SCANIA

# Automotive






## Optimized production

We offer a wide range of parts for light vehicles, based on precision machined, high pressure die-cast and extruded aluminum components for low weight and cost efficiency. By engaging early in development, we support customers in designing for optimal production methods, so that volumes of up to 1,000,000 parts annually can be reached efficiently.

We are delivering defect-free production, meeting deadlines, and building long-term relationships while ensuring mutual success through continuous improvement.



## Case: Oil sump, Gnutti Carlo

inducore Components



”BMA is a remarkably flexible and supportive machining partner, they consistently go above and beyond our expectations. They are a truly engaged partner, recognized for being consistently punctual and reliable in every delivery. They provide high-quality results and dependable solutions that consistently meet our exacting standards.”

MATTIAS OLSSON
**Purchasing Manager, Gnutti Carlo Sweden**

## A long-standing partnership as strategic supplier

BMA has developed a long-term and stable partnership with Gnutti Carlo Sweden, centered on delivering high-quality machining solutions that meet demanding industry standards. The collaboration is characterized by flexibility, reliability, and consistent delivery performance, supporting efficient and dependable production flows.

BMA contributes with robust technical capability and a proactive approach, ensuring that quality requirements are met and that production needs are handled with precision and continuity.

Looking ahead, the focus remains on further strengthening the cooperation through continuous improvement, with an emphasis on maintaining high performance, delivery reliability, and customer satisfaction.



Volvo XC60

GNUTTI

# Defence





## High quality products on time

We always aim to exceed customer expectations. While it's easy to say, truly delivering on this promise is far more challenging, but it's a promise that drives everything we do.

We combine the skills of our employees with the latest machine and automation technology to deliver on the customers' demands for short lead times on highly complex parts in volumes from 1 to 1 000 pieces per year.

The defence industry is at the forefront of technological advancements and demands the highest standards from its suppliers. Tolerances, precise documentation, and on-time delivery of high-quality products are essential. Building long-lasting, strong relationships with customers in this sector will provide mutual benefits for years to come.



## Case: Saab

inducore Components



ÅSA AXELSSON
**Director Global Sourcing SAAB**

"With the entire product lifecycle in mind, the supplier has showed a pro-active mindset in combination with world class skills to support all relevant disciplines within SAAB such as product development, sourcing and supply. During 2018 they have showed commitment to the business and independent of request they have delivered high quality products in time, enabling SAAB to successfully deliver their commitments to the end market"

## Preferred supplier

As a preferred supplier to Saab, we know that our close collaboration across all stages - from prototypes and pre-series deliveries to serial contracts - is the key to building long term mutual trust.

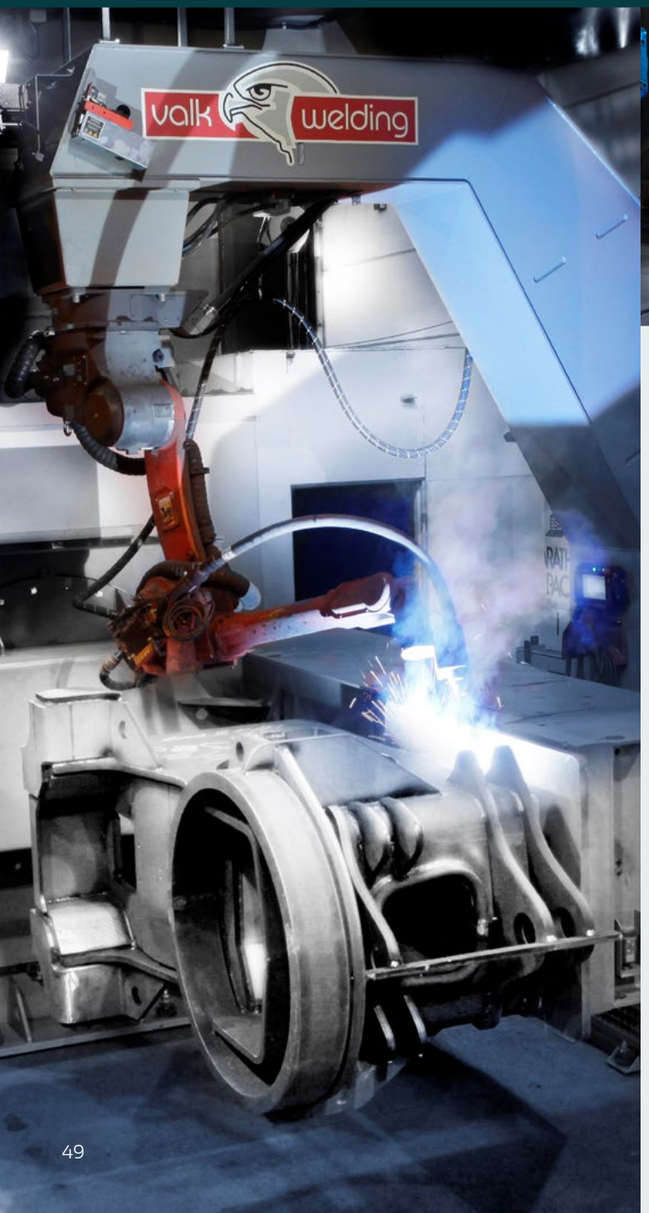
Having partnered with Saab for over 30 years, we are confident that our relationship will continue to thrive for many years to come. We are incredibly proud of the trust Saab has shown in us, especially when we were honored with the "Supplier of the Year" award in 2018 for one of their business areas.

SAAB gripen model E - the pinnacle of Swedish engiineering.



SAAB

# Material & forest handling






## Delivering durable, robust solutions

We take full responsibility for manufacturing complete sheet metal structures in medium to large sizes. From blank cutting to final assembly, we deliver comprehensive solutions using advanced technology and top-level expertise.

With over 25 years as a trusted supplier in forestry and construction, we bring solid know-how and a wide range of skills. We are a key part of the value chain for larger welded components, offering plasma and laser cutting, bending, robot welding, machining, assembly, and painting—even for parts weighing several tons.

Short lead times enable us to deliver everything from prototypes to serial production. Our dedicated teams collaborate closely with customers to continuously develop innovative, high-quality processes.



**Case: Plantma**

inducore Components

”We prioritize suppliers with whom we want to build long-term partnerships. Inducore is one such supplier.”

DANIEL MELIN
**Purchasing/Logistics**
**Plantma Forestry**

## A Complete and Reliable Partner in Production

For us at Plantma, Inducore is a crucial partner that takes a comprehensive approach to production – from sheet metal processing to welding.

With their broad technical expertise, they are able to deliver complete solutions under one roof, which simplifies the process and increases efficiency.

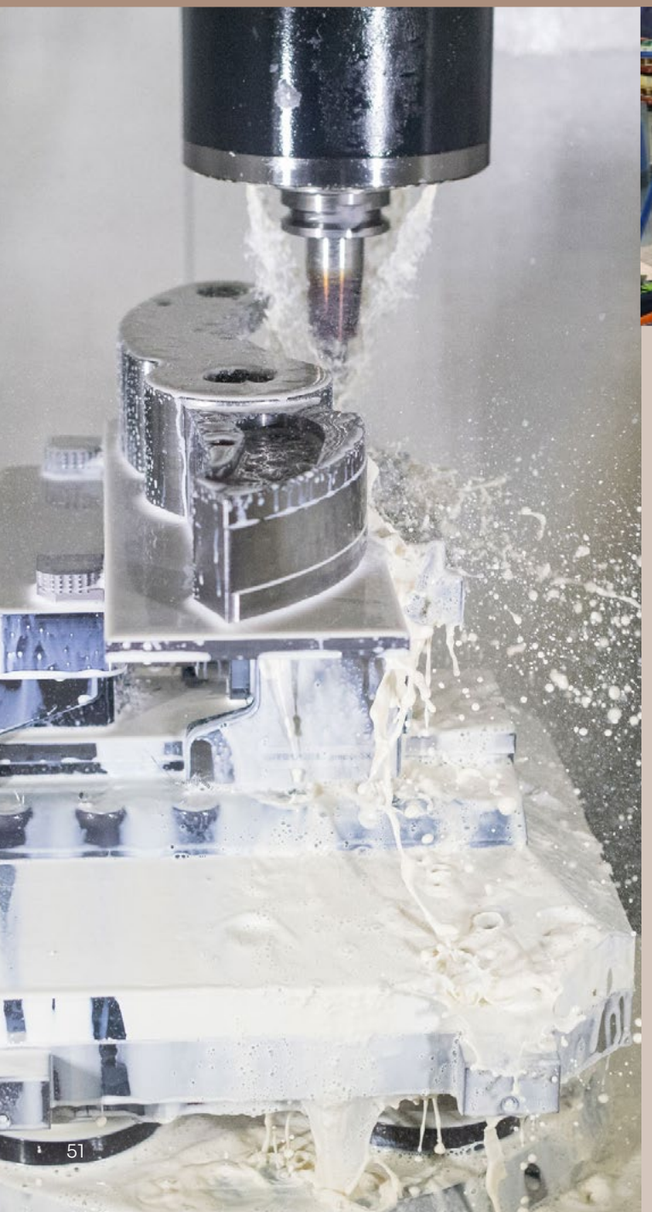
Inducore not only offers a wide range of services – they do so at a highly competitive cost level. By introducing robotic welding into our production, they have also improved the quality of our products while reducing overall costs. Inducore is not just a supplier – they are a long-term partner who actively contributes to our development and success.

Plantma



PLANTMA forestry

# Machine & production tools





## Cost-effective complex production

For years, we have focused on developing specialized processing methods and fixtures for machining extremely thin-walled workpieces. We handle everything from prototypes cut from solid material to high-volume production using cast materials, all produced with exceptional precision and narrow tolerances. Our strength in serving customers in mechanical engineering lies in balancing high-volume, low-assortment with low-volume, high-assortment production, always prioritizing quality and customer satisfaction.

We serve various industries, offering logistics solutions, complex machining, and giving feedback on product adaptations to improve machinability, reduce costs, and enhance quality.

Using modern 4- and 5-axis milling machines with quick-change pallet systems and multifunction mill-turn machines, we ensure cost-effective production without compromising on quality.





inducore Components



”This enables us to source roughly 95% of all parts directly from within the group”

PETER LINDBERG
**CEO**
**Atling Steady Rest**

## From Components to Complete Solutions

Each Atling steady rest is built from around 80 unique components. As an independent company, we leverage the full strength of the Inducore Group’s comprehensive supplier portfolio. This enables us to source roughly 95% of all parts directly from within the group.

Having all suppliers under the same umbrella offers a decisive advantage: exceptional flexibility.

The companies within Inducore can seamlessly support one another, ensuring reliable supply, faster response times, and a smoother production process from start to finish.

Self-centered steady rest ›




ATLING STEADY REST

# Mining & construction





## Rapid production changes

In the low-to-medium volume segment of mining and construction equipment, we have been a trusted supplier since 1948. With highly efficient processes and the shortest setup times, our flexibility, commitment to quality and open-minded approach have built this long standing relationship.

With machining as well as coordinate measuring machine capabilities reaching from a few to over 3000 millimeters - we are fulfilling our customers needs for a range from small to very large components. Utilizing 5-axis machining centers even for the largest work pieces, we finish the parts in few setups making production very cost effective. In our workshops we produce parts in almost any material requested, from aluminum to ductile iron and cast or forged steel.





inducore Components

> ”In this project we had a very close collaboration with Axipto and thanks to that it has been possible to get a short project time and a very quick start-up time for all the products.”
>
> TORSTEN KÄMPFER
> **Global category manager**
> **Epiroc**

## Speed, trust and collaboration in manufacturing

The Axipto philosophy is centered around the belief that having dedicated people within our organization, combined with close collaboration with our customers, leads to significant gains for both parties.

We practice open-book transparency, fostering strong reliability and trust between us and our customers. Our close relationship with Epiroc essentially makes us an extension of their own factory. Axipto and Epiroc share a long history together, built not just on geographic proximity, but also on a deep, collaborative partnership.

For many years, we have partnered with Epiroc on both small and large projects, acting as a ”one-stop-shop” for outsourcing substantial volumes of machining.



Team from Epiroc and Axipto behind one of the largest one-piece hydraulic hammer bodies.

Epiroc

# Energy





## Powering progress. Precision products.

We produce high-quality, reliable components for the energy sector – supporting everything from traditional power generation to renewable energy solutions. Our products are designed to perform in demanding conditions, where safety, efficiency, and longevity are critical.

Whether serving wind, hydro, solar, or conventional energy applications, we deliver tailored solutions that meet rigorous technical standards and sustainability goals. Our manufacturing processes are rooted in precision engineering, strict quality control, and a deep understanding of the evolving energy landscape.

Through innovation and long-term collaboration, we contribute to a more resilient and sustainable energy infrastructure – helping our customers meet the world's growing power needs with confidence and responsibility.



## Case: Voith

inducore Components



LARS BERGMAN
**Head of Purchasing and Supply Manager, Vioth**

”A local, flexible and reliable partner with high level of competence in manufacturing of welded fabrications and machining of forgings”

## A stable, reliable partner for long-term cooperation

Sjölanders has had Voith as a customer for nearly 15 years, where the main product has been stator frames and components for stator frames. Voith's high standards for documentation and project follow-up have contributed to enhancing our capabilities in both execution and technical documentation, ending with a FAT test as the final step.

As part of a strong group active in many markets and segments, we are a stable, reliable partner for long-term cooperation.

Sjölanders made an extra effort to deliver a stator frame ahead of the committed purchase-order date, despite an already tight schedule, helping Voith reach an important project milestone.

Voith hydropower



VOITH

# Marine



## Marine manufacturing excellence

In the marine segment, operating conditions are inherently complex, with requirements that differ significantly from those found in land-based applications. Harsh environments, continuous exposure to corrosion, and strict demands on durability and reliability place high expectations on both materials and processes, making experience a critical factor.

With extensive know-how in machining components for demanding marine applications, we support our customers with robust and reliable solutions across a wide range of sizes and materials. Our capabilities enable us to handle everything from small, high-precision parts to larger structural components, ensuring consistent quality and performance even under the most challenging conditions.



**Case: OXE**

inducore Components

> “As experts in transmission, Swepart has been a perfect partner to bring OXE’s patented belt propulsion drive to the marine market. Swepart contributes with engineering knowledge and acts as both a manufacturer and assembler for OXE, making them an important strategic partner for OXE. The collaboration has been excellent all around.”
>
> PAUL FRICK
> **CEO, OXE**

## Strong partnerships that power marine reliability

OXE Marine is a Swedish company delivering high-performance outboard solutions for professional and commercial marine applications. With a focus on efficiency, serviceability, and control, OXE Marine’s diesel outboard platform is engineered for demanding use cases, helping operators reduce fuel consumption, extend range, and improve uptime across patrol, workboat, and service fleets.

To support this mission, OXE Marine partnered with Swepart to handle transmission assembly (the “lower leg”) which is a critical part of OXE’s diesel outboard platform. Beyond assembly, Swepart contributes deep transmission expertise and hands-on engineering knowledge, acting as both manufacturer and assembler to ensure the solution is built for demanding, professional use. Throughout the partnership, Swepart has consistently delivered quick, clear communication and a highly engaged team, with dedicated contacts and fast response times, making the collaboration a success.




OXE

# Medical





## Tight tolerances. Complex standards.

Medical parts are made from a wide range of materials, including steel, plastic, aluminum, brass, and other specialized materials. These components require strict quality documentation and the highest surface quality. From individual components to medium-sized series of up to 5,000 parts per year, our flexible manufacturing structure supports customer needs.

Medical components demand precision: tight tolerances and complex specifications are standard. Our strength lies in close collaboration and long-term partnerships.

We ensure quality through a comprehensive range of inspection equipment from highly precise handheld gauges to advanced coordinate measuring machines providing measurement data and certificates as needed. Every part is thoroughly inspected by our operators before delivery. Thanks to our high-precision CNC machines, deviations are rare, but detecting even the smallest ones is essential. Our skilled staff remains our greatest asset in upholding the highest standards of quality.



# Contact






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