

Materials Services  
Aerospace

# Ready for take-off

We deliver integrated supply chain  
solutions for the aerospace industry



thyssenkrupp





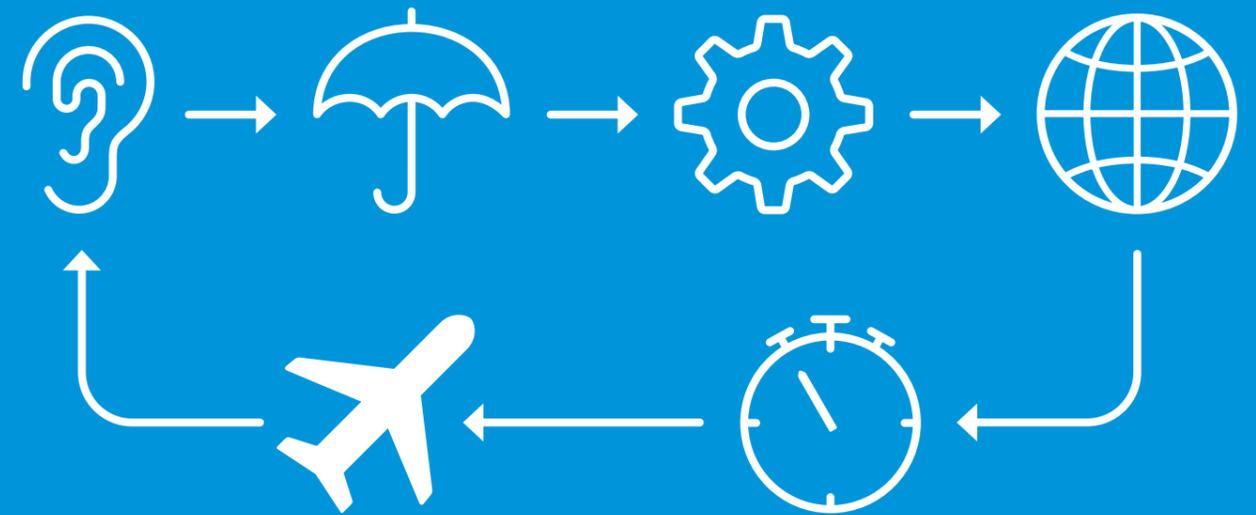
## Welcome

The world's leading aerospace companies and their partners rely on us for their success. With good reason. Our value proposition includes a wide range of supply chain and manufacturing services: procurement of raw materials, warehousing, precision processing, third-party logistics and just-in-time delivery to the point of use.

We give your business clearance for take-off by listening to your wishes, analyzing the current situation and designing customized solutions – be it an immediate one-off requirement for a single piece of material or a long-term agreement covering multiple materials and processes. Using our extensive knowledge about markets and the industry, thyssenkrupp Aerospace accompanies your business and projects around the globe.

Since we believe in long-term strategies, we engage in strong partnerships that enable us to offer the best solutions for your supply chain, including cost reduction, ensured supplies, outsourced inventory and more effective processes.

# easy.



Reducing the complexity of supply chain management for our customers requires a continuous loop of communication and commitment. Each sequence starts by listening closely to our clients in order to truly understand their unique needs. We fulfill these, relying on the industry's largest material stock and delivering precisely customized products all over the globe and just-in-time to the world's leading aerospace companies and their partners.



# Understanding



**“Understanding current and future customer needs. We listen, give suggestions, and develop together with our customers.”**

Understanding our customers is the basis of our success. We listen to them, first of all. With our wide market know-how plus our detailed knowledge of our customers' individual business needs we provide tailor-made solutions.

Given today's immense competitive pressure to produce quickly, cost effectively and to the highest quality, we understand the enormous challenges that come with building a supply chain which supports airplane production. It is a highly complex task for which our clients expect their partner to excel through reliability, best prices, on-time delivery, and excellent material quality.

Despite much common ground, our customers' requirements differ greatly

regarding manufacturing strategies and service expectations. We discuss their unique strategic goals and specific needs in order to truly understand their business model. Moreover, our global presence ensures that our clients always have an experienced local partner at their side.

We focus on long-term stable business relationships. Working closely with our customers, we identify changing demands and needs at an early stage, enabling us to create the best solutions possible. We don't just meet demands – we surpass expectations. That's part of our strategy.

Our objective: to support aerospace companies to become stronger, more streamlined and more profitable.



# 1,800

passionate employees at thyssenkrupp Aerospace collaborate to deliver integrated supply chain solutions for our clients' manufacturing needs. It all starts by listening closely to each customer to truly understand their requirements and unique strategic goals.

# Warehousing

“Providing customers with warehousing and sophisticated logistical services, including end-to-end inventory management and customized supply chain solutions.”

Our product range includes aluminum, titanium, steel, aluminum bronze, nickel and copper alloys as well as non-metallic materials in every form and type. We provide outstanding material sourcing services, geared towards the specific requirements of our clients.

With our integrated network of state-of-the-art facilities, we keep supply routes short all over the world. As we work with the world’s leading material producers, the continuity of material supply is assured. Our comprehensive service portfolio allows us to satisfy varied material demands, independent of form or quantity.

The broad spectrum of material types, products forms and sizes takes national

as well as aircraft manufacturer’s proprietary specifications into account.

Additionally, we have relationships with the leading mills to accommodate special requirements for extra sizes or unusual quantities.



# 250,000

square meters of warehouse and production space offer room enough to store the largest stock of aerospace materials in the industry. Our integrated network of facilities keeps supply routes short all over the world.

# Processing



Delivering perfectly processed materials requires thorough quality control (left). As part of our extensive services, we offer state-of-the-art waterjet cutting (above).

**“Delivering reliable and high-quality products, services and solutions with precision and a superior cost-benefit ratio.”**

We supply more than just full-size materials. We deliver material cut to size and machined exactly to our client's requirements. It fits in perfectly with their manufacturing operations and can be processed immediately.

To this end, we offer a variety of high-precision processing services, e.g. cutting to size and first stage CNC machining. Further services include contour sawing for circles, rings, and special shapes, routed shapes in sheet materials, as well as drilling, tapping and laminating.

We employ state-of-the-art technologies for our processing services; these include machines for cutting aluminum, steel and titanium plates and sheets.

Waterjet cutting is also part of our services. With a pressure of 6,000 bar, waterjet cuts metal as well as non-metallic materials at three times the speed of sound, without causing heat-generated structural change. As a result, the cut edges are virtually burr-free, which reduces finishing operations.



# 10,000,000

parts per year pass through our precision processing services. They are cut to size and machined exactly to our customers' requirements to fit perfectly into their manufacturing processes.

# Worldwide

**“Materials and services, everything from a single source for your success.”**

As a global enterprise we are part of the worldwide thyssenkrupp network. With more than 40 locations in around 20 countries, our global presence is a key advantage in cooperating with us.

Our strong local presence allows us to cooperate closely with our customers and their subcontractors, while gaining an in-depth appreciation of their specific needs.

Based on our global presence, we offer an unmatched logistics infrastructure to support customers and operations around the world. It helps us to provide truly responsive local services, ranging from raw material management to finished parts kitting.

Our locations have been approved to EN/AS 9100 and/or EN/AS 9120 standards by the world's leading aerospace certification companies. Our employees are well trained to meet our clients' quality expectations, ensuring full lot traceability of every item we supply.



# 3,500

customers around the globe and their supply chains rely on our services from more than 40 locations in around 20 countries and on 5 continents. We are always close to our clients.

# Just-in-time



**“Don’t think twice,  
think thyssenkrupp  
Aerospace just-in-time  
deliveries to secure  
your supply chain.”**

Our just-in-time strategy supports smooth and seamless production processes and reduces warehousing on the client’s part. Focusing on our customer’s material and information flow, we optimize our supply processes of raw and finished materials. If needed, we can offer material supplies for an entire program, consistent in quality and based on international service standards.

With our integrated services we help reduce costs, while improving the supply chain’s visibility and reliability at the same time. Our clients benefit from high levels of customized services, e.g. contractual “service provider” agreements with suppliers. Working closely with our customers, we are able to identify demands early. Since our inventory

strategy is based on experience, it makes allowances for unscheduled developments and puts us in a position to supply the required materials, even at short notice.

Thanks to strategic procurement planning in combination with our close contacts with suppliers, we help our clients improve cost efficiency.



# 1,000,000

shipments per year reach our customers just-in-time. We support seamless production processes and improve the supply chain’s visibility and reliability.

# Our Strong Team



We are thyssenkrupp Aerospace, a company of the Materials Services Business Area of thyssenkrupp. Global collaboration and the outstanding commitment of our employees make us the partner of choice to the aerospace industry. Our team ensures that our clients receive tailor-made materials and efficient supply chain solutions, all designed to help their business grow.

Cooperating with us means working with a staff of around 1,800 passionate, highly trained, experienced and competent professionals. Diversity is an integral part of our business culture and enhances our success.



“Acting as a reliable partner. We act in an honest, authentic and responsive manner towards customers, employees and other stakeholders. We have a long-term orientation.”

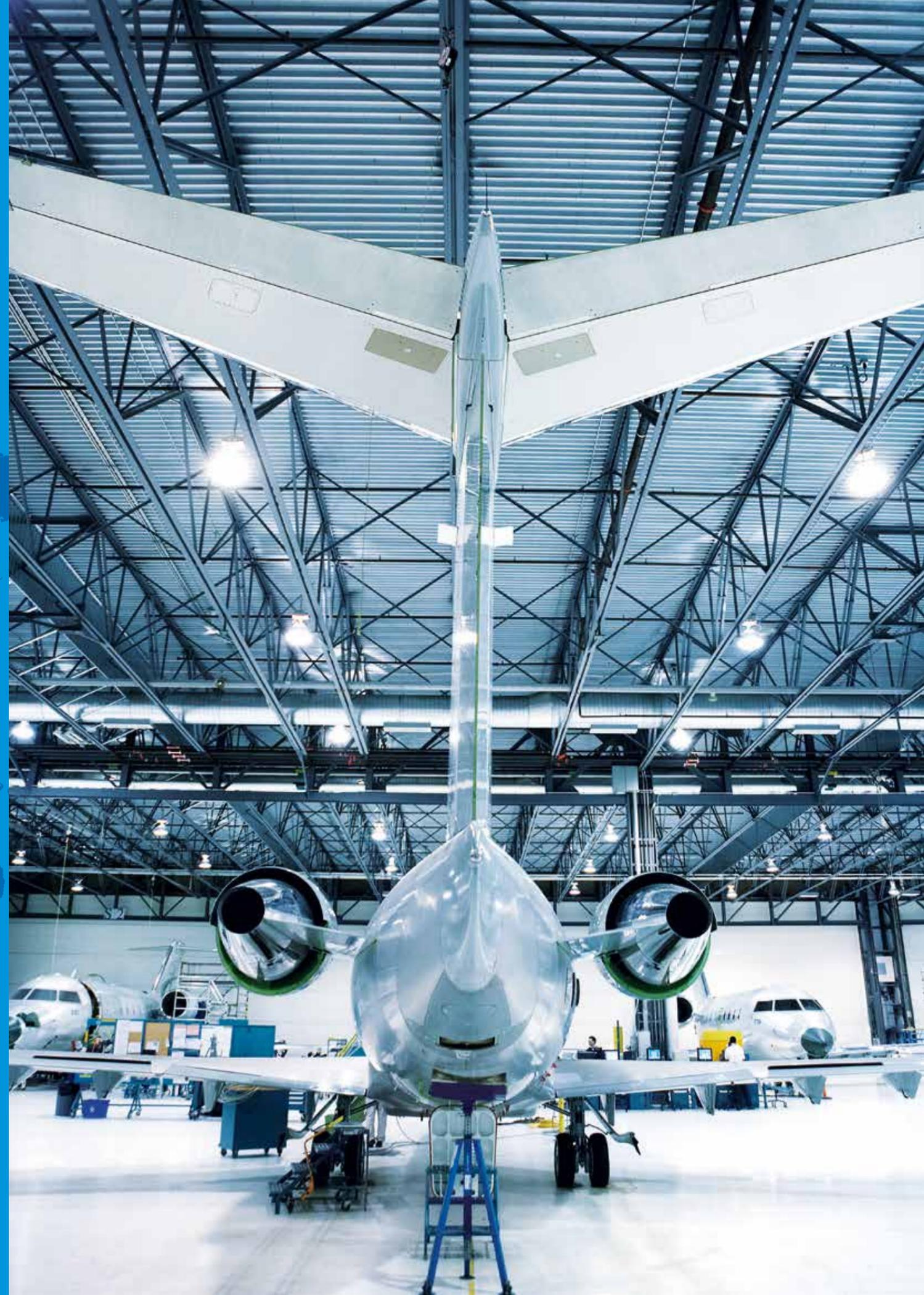


# Close to our Customers



Operating from the Americas, Asia Pacific, Europe and North Africa, we are globally present. Yet with more than 40 locations in around 20 countries, we are always close to you.

Please get in touch with us. Your thyssenkrupp Aerospace sales representative will support you and your business. Additionally, you will find a lot of useful information by visiting our website: [www.thyssenkrupp-aerospace.com](http://www.thyssenkrupp-aerospace.com)



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