ABOUT HYDRO

IN SAFE HANDS.
When it comes to Ground Support Equipment (GSE) and Maintenance Tooling for the repair and manufacture of aircraft or engines, HYDRO stands for innovation, experience and reliability. As the world market leader, we set the standards – from a uniquely large, innovative product portfolio to complete system solutions from our engineering division, through to a diversified range of services.

In addition to more than 3,000 GSE products and over 25,000 tools for countless different types of aircraft and engines, HYDRO also specializes in developing complete system solutions. An extensive product-related service, broad-based engineering expertise and deep industry knowledge – acquired over decades – have combined to make us “preferred supplier” for many of our customers.

HYDRO’s innovations provide the industry with rapid technical progress. Our pioneering developments, latest technologies and efficient processes guarantee the highest quality at a fair price. In this way, HYDRO not only meets but exceeds your expectations.

YOUR ONE STOP SOURCE

The spectrum of our product portfolio is unsurpassed worldwide and has made us the industry’s one-stop source. From development through production and commissioning to comprehensive after sales service, you are in good hands with HYDRO. The reason for such diversity lies in our business structure, with wide-ranging expertise and exceptional production depth. Our ability to manage multiple work processes and proven partner networks worldwide has made us what we are today. Setting them on the right path to successfully realize complex projects and consistently delivering top-quality products under one roof.
HYDRO WORLDWIDE

HYDRO is a global company with headquarters in Germany and numerous offices across three continents. With our unmatched product portfolio, we consistently offer our customers the cost-effective, high-quality Ground Support Equipment (GSE) and Maintenance Tools, including many of our own innovative developments that repeatedly set new standards in the market.

Through our global network of branches, representative offices and service centers, we are close to our customers’ operations around the world. In addition, our well-organized, powerful Service Task Force stands ready at any time to help keep their work processes running smoothly.

WORLDWIDE

HYDRO WORLDWIDE

With branches in France, the USA, the UK, Singapore and China, sales and engineering offices as well as service centers around the world, HYDRO is close at hand wherever you operate.

Our teams are always close at hand:

- Biberach/Germany
- Hamburg/Germany
- Toulouse/France
- Derby/UK
- Singapore/Singapore
- Beijing & Tianjin/China
- Seattle, WA/USA
- Miami, FL/USA
- Los Angeles, CA/USA
- Washington D.C./USA
- Tokio/Japan
- Moscow/Russia
- Madrid/Spain
- Paola/Malta
- Dubai/United Arab Emirates
DEEP ROOTS & ORGANIC GROWTH

HYDRO was founded in 1965 and has its headquarters in Biberach, an idyllic village in the Black Forest. This is where enthusiastic and dedicated engineers constructed the first HYDRO axle and tripod jacks. Through single-minded dedication, creativity and superior quality, the young company soon managed to attract the attention of the rapidly growing international aviation industry. Since then, thanks to our consistent ability to innovate new technical solutions to the challenges faced by our customers and partners, HYDRO has grown steadily for over half a century.

Sound planning and a continuous expansion of our product portfolio has seen HYDRO grow over the years from a niche provider to the market leading developer and manufacturer of Ground Support Equipment and Maintenance Tooling for the global aviation industry. And although we always remain at the forefront of technological innovations and continually develop our processes and services, we remain firmly connected to the fundamental values of the company’s founders.

HYDRO THROUGH THE YEARS

HYDRO was founded in 1965 and has its headquarters in Biberach, an idyllic village in the Black Forest. This is where enthusiastic and dedicated engineers constructed the first HYDRO axle and tripod jacks. Through single-minded dedication, creativity and superior quality, the young company soon managed to attract the attention of the rapidly growing international aviation industry. Since then, thanks to our consistent ability to innovate new technical solutions to the challenges faced by our customers and partners, HYDRO has grown steadily for over half a century.

Sound planning and a continuous expansion of our product portfolio has seen HYDRO grow over the years from a niche provider to the market leading developer and manufacturer of Ground Support Equipment and Maintenance Tooling for the global aviation industry. And although we always remain at the forefront of technological innovations and continually develop our processes and services, we remain firmly connected to the fundamental values of the company’s founders.

HYDRO THROUGH THE YEARS

1965
- Foundation of HYDRO

1977
- Branch opening USA

1990
- Boeing Licensee

2000
- Cooperation with Tuima Spain

2001
- Branch opening China

2004
- Branch opening Hamburg Sportallee
- Antonov Partner

2005
- Sukhoi Partner (Development contract)

2006
- Goodrich Licensee

2007
- Strategic partner Rolls-Royce (Licensee and development contract)

2008
- Branch opening France and Hamburg Schellerdamm
- Cooperation with “Testfuchs”

2009
- Branch opening Russia and Dubai

2010
- Start of Engine Stand production at HYDRO USA

2013
- World wide Stock Service Agreement
- Master Supply Agreement for Maintenance and Repair Airbus

2014
- Branch opening Singapore

2015
- Branch opening Hamburg Schellerdamm
- Cooperation with “Testfuchs”
When it comes to the maintenance or repair of aircraft and engines, you expect maximum efficiency and safety together with the best price-performance ratio. So it makes sense to benefit from the expertise and experience of the market leader in Ground Support Equipment (GSE). Discover the satisfaction that comes from using both long-established and exceptionally innovative GSE products: user-friendly and durable in true HYDRO quality. Whether tripod jacks, axle jacks, towbars or our unique COBRA Engine Change System – all our products are designed by highly qualified engineers, continuously refined, and manufactured to the highest standards of precision.

Through superior and uncompromising quality, we help to increase the efficiency and productivity of your work processes: enabling you to work faster, more accurately and more safely at the same time. A measurable competitive advantage that has won us many of the industry’s biggest names as customers, for which we work as an OEM supplier and licensee.

The average lifetime of our equipment generally exceeds its requirement. A record of durability that is unmatched in the aircraft support industry. Service and overhaul is secured through a 10 year long spare parts availability for the product. As the industry experts in the area of aircraft and engine maintenance and Ground Support Equipment, HYDRO offers unmatched product variety to our customers. With a wide range of standard products for virtually any type of commercial, regional and military aircraft, HYDRO has the proven capability to design and manufacture individual solutions for customer-specific requirements.

HYDRO offers the widest range of Ground Support Equipment available. With our more than 3,000 standard products, we provide top-quality and reliable equipment for almost all aircraft types and applications.

- Tripod jacks
- Axle jacks
- Towbars
- COBRA Engine Change System
- Landing gear equipment
- Tail support stanchions
- Shoring equipment
- Wheel and brake change dollies
- Service carts
- Recovery equipment
- Engine handling equipment
- Cradles and trolleys
- Engine transportation stands

HYDRO AIRCRAFT AND ENGINE GSE PRODUCT DIVERSITY

YOUR ADVANTAGES AT A GLANCE:

- Sustainability
- Low life-cycle costs
- Maintainability
- Innovation
- Safety through state-of-the-art technology
- Financing solutions support
- Service centers worldwide
- Spare parts worldwide
- Product-specific staff training
- Technical support
It is not just the quality and accuracy of our tools that you can rely on. You can also depend on HYDRO 100% when it comes to service:

- Make-to-print supply for tooling and engine GSE
- Calibration services (balancing, curvic, etc.)
- Global technical support
- Initial provisioning support for new engine introduction
- Tooling repair and refurbishment services

With HYDRO, you can enjoy the peace of mind that only the world leader among licensees in the area of Maintenance Tooling can offer you. In decades of successful work, we have demonstrated our ability to provide reliability in the production and delivery of tools and solutions to the most exacting OEM specifications, using the very latest technologies. In the area of tooling for aircraft manufacturers, we work as a licensee for Boeing and Goodrich, and as a development partner for Sukhoi and Antonov.
INDIVIDUAL SYSTEM SOLUTIONS

You want to develop a complete aircraft final assembly line? Or a special maintenance tool for your engines? Tell us your goals – we will provide a tailored solution. Customer-specific developments, geared specifically to your requirements, represent another of our strengths. It is no coincidence that a quarter of our employees are in research and development.

We are here for you – from the smallest idea to the realization of major projects, from developing a special bolt to a full aircraft assembly line. Through our engineering offices worldwide, we are always close at hand. International and highly experienced project and program managers provide professional project management to ensure timely and smooth processes.

COST-LEADING DESIGN

Through our design partners, we can offer you comprehensive engineering services to top HYDRO quality levels at a highly attractive price-performance ratio. We undertake at all times be fully responsible for the quality and reliability of all services provided, while passing on the cost savings we achieve in full. According to the principles of Value Engineering, we develop future-oriented solutions, thereby enhancing the value and efficiency of your processes.

Among others, HYDRO offers individual system solutions in the following areas:

- Maintenance Tooling
- Component handling equipment
- Removal and installation devices
- Final assembly lines / test stations

REALIZATION

HYDRO has the technical and human resources to meet the dynamic challenges of the aviation industry. To ensure that an innovative leap forward does not let you down in practice, HYDRO offers you both professional development and routine implementation – and without costly interfaces. You can rely on our expertise to achieve a complete, high-quality and cost-effective solution to even your most technically complex challenges.

HYDRO ENGINEERING AT A GLANCE

More than a quarter of our employees work in research, development and project management. This ensures that when it comes to individual system solutions, you are in the best hands with HYDRO:

- Customer-specific solutions from world renowned specialists
- Value Engineering for maximum customer satisfaction
- Worldwide engineering offices and service centers
- Sole supplier source for the fastest reaction times
- Attractive financing models
- Top quality for rapid return on investment
- Cost efficiency through Design-to-Cost
- Professional project management
- Quality and reliability “Made in Germany”
We see ourselves as your service provider. Always personal, always available. As an individual customer service, our comprehensive range of services and after sales service occupies a key position within our understanding of quality. This is because it is our service in the areas of maintenance, training and technical support that gives our customers the peace of mind they need to fully exploit the safety and efficiency potentials of our products and system solutions at all times.

You can rely on HYDRO – for the entire life of our products. With service centers worldwide, we can always respond quickly to any issues you may have, whether via our unique supply of spare parts, our reliable Aircraft-on-Ground (AOG) service or our multi-manufacturer on-site service.

**AFTER SALES SERVICE**

**Maintenance**
The maintenance of your equipment through our worldwide on-site service allows for early detection of problems before they impact your business processes – quickly, thoroughly and reliably. Through our maintenance, modification and spare parts service, we ensure the efficient functioning of your equipment at all times.

**Technical Support**
Depending on the situation, either our hotline teams or on-site Service Task Force can assist you in optimizing your work processes quickly, efficiently and to the highest level of quality. Our Tools Management Service and GSE rental give you the confidence to know that your equipment and facilities will be fully operational at all times.

**Training and Commissioning**
Through product-specific and practice-oriented training programs, we contribute to further increasing the operational efficiency of our equipment, tools and installations. Our specially trained staff will instruct your employees during commissioning or “on the job” in all aspects of safe and efficient operation.

**HYDRO SERVICE AT A GLANCE**
Through our services, you benefit even more from your HYDRO products and system solutions:

- Comprehensive service with over 40 years of OEM experience
- High availability and rapid reaction times
- Worldwide service network
- Increased productivity and reduced downtime
- Continual testing and optimization of processes with HYDRO Ground Support Equipment
- Operational guarantee over the entire life-cycle of HYDRO products
- Effective problem-solving by leading specialists – worldwide, any time
HYDRO Systems KG
Headquarters worldwide
Ahfeldstrasse 10
77781 Biberach / Baden
Germany
Phone: +49 (0) 7835 787-0
Fax: +49 (0) 7835 787-8888
info@hydro.aero

HYDRO Systems USA Inc.
Seattle, WA

HYDRO Systems UK Ltd.
Derby

HYDRO Systems France SAS
Toulouse

HYDRO Systems Singapore LLP
Singapore

HYDRO Systems (Tianjin) Co. Ltd.
Tianjin

HYDRO Germany
Engineering Office and Service Center
Hamburg

HYDRO Spain
Sales Office
Tulma Aviation S.L. - Madrid

HYDRO Malta
Service Center
Pro Tech Engineering Solutions Ltd. - Paola

HYDRO Russia
Sales Office
Moscow

HYDRO UAE
Service Center
Dubai

HYDRO China
Sales Office
Beijing

HYDRO Japan
Service Center
Horiguchi Engineering Co.Ltd. - Tokyo

HYDRO USA
Sales Office
Miami, FL

HYDRO USA
Sales Office
Los Angeles, CA

HYDRO USA
Service Center
Washington D.C.

and more than 50 sales representatives located worldwide!