

VOITH

Industrial Services

Experience Aerospace –
Full Engineering Services solutions



Trendsetting industries need innovative partners



Aviation – civil and military, manned and unmanned – automotive, shipbuilding... the key industries' demands regarding suppliers' qualities are increasing steadily. This means that engineering partners have to handle complex work packages perfectly as well as efficiently in the shortest time possible.

For more than 20 years the CeBeNetwork Group was facing this challenge – with great success. When Voith became the major shareholder, we continued and further improved our work as a stable and top-selling company under the name Voith Engineering Services. Since 2008 we are one of the EADS E2S preferred supplier for engineering services and its subsidiaries. Furthermore, we maintain excellent business relationships with manufacturers within the aerospace market as well as the high tech sector.

Our name stands for ground-breaking and innovative services as well as high quality. Holistic thinking and an overall responsibility are our basis in order to deal successfully with highly complex development projects for the international aerospace industry.

Our partner network allows us to rely on more than 1,000 highly qualified and experienced engineers from all over the world – working out the best solution for your demand. We are proud to say that wherever you get into contact with Voith Engineering Services we are able to provide the same quality and expertise worldwide.

Throughout the whole process chain



High-class engineering for top quality products demands extraordinary service support. Either off-site or on-site, Voith Engineering Services always offers the best possible cooperation.

Voith Engineering Services is a high-class engineering supplier for the aviation and aerospace industry. Whether you want to outsource whole work packages or you need specialists working on-site as part of your team – we are able to provide you with the required know-how and experience. We offer full service solutions along the complete process

chain – starting with the conceptual idea via realization within design and development up to the test and the after-sales support – everything covered within one company.

In order to disburden your daily work, we assume the entire responsibility for your complex development projects – either on-site or off-site and even across several international locations.

Fields of Service:

- Concept
- Development
- Specific Design
- Non-Specific Design
- Calculation
- Simulation
- Testing
- Requirement Based Engineering
- Documentation
- Prototyping
- Production Planning
- Project Management
- Quality Assurance

Our expertise is your benefit



International and experienced teams of engineers working by multi-disciplinary measures form the basis for our high-quality support. Each team member ensures the success of the whole project by experience, competence and know-how as well as its own commitment. We offer reliable innovative and efficient service benefit for our customers.

In order to perform and support your projects with the right specialists, our Human Resource experts conduct a perfect match-up according to your requirements. Thereby, you are able to carry out cost-optimized projects without having to invest in own resources.

Engineers, Technicians, Drafters, Project and Quality Managers are thoroughly selected. Each of our team members is characterized by first-class know-how, long-term experience, excellent soft skills, high motivation and a strong commitment to their work. Continuous education and trainings ensure an up-to-date knowledge of tools, processes and methods.

Expertise:

- Cabin Interior
- Cargo Loading Systems
- Flight Physics
- Ground Support Equipment
- Technical Product Support
- Structure Engineering
- Systems Engineering
- Processes, Methods & Tools

Innovation – available worldwide



Think global, work local: Our motto for your benefit. To keep up short lines of communication we strategically oriented our locations according to the European's major avionic centers.

At our sites in Abu Dhabi, Bangalore, Bremen, Bristol, Hamburg, Llanelli, Munich and Toulouse our highly qualified and well-experienced engineers are at your disposal. The vicinity to your offices enables us to react fast and solution-oriented.

Your benefit is to have a local contact person who is familiar with your company, your team and who is in charge for you and your project. You can expect custom-made as well as cost-optimized processing with local focus.

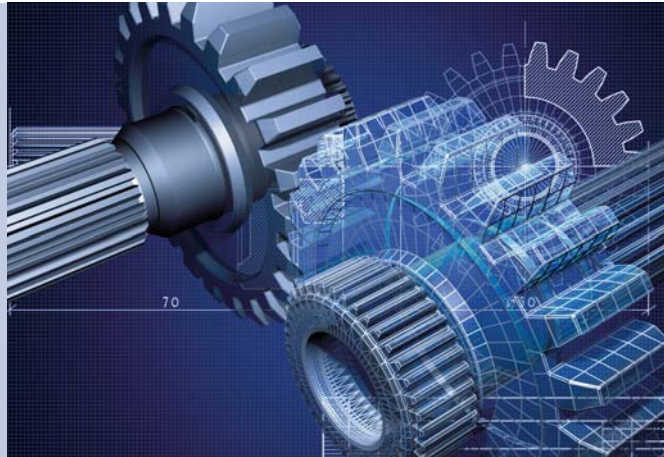
The highly productive and strong Voith Engineering Services partner network links our worldwide locations. We provide our specialists all over the world: either on-site or off-site.

**Wherever you need us –
we will support you!**

Locations:

- Bremen
- Hamburg
- Munich
- Bristol
- Llanelli
- Madrid
- Toulouse
- Abu Dhabi
- Bangalore

High-class quality and IT security for your success



As EADS E2S preferred supplier for engineering services, our work is liable to the requirements of the DIN EN ISO 9001 and DIN EN 9100. This quality management – certified by the “Bureau Veritas Certification (BVC)” – forms the basis for our work and your success. Quality and IT security of your project always have the highest priority!

You can rely on secured pool-rooms, strict virus protection and excellent IT specialists ensuring the security of your data and therefore your projects. Voith Engineering Services is additionally strictly committed to comply with customer-specific

quality requirements. Our staff periodically receives trainings dealing with quality management and IT security. In addition, annual internal audits guarantee a lived quality management and the compliance with your highest demands.

Certificates of Voith Engineering Services:

- DIN EN ISO 9001
- DIN EN 9100
- DIN EN ISO 14001:2004
- DIN 18800-7:2002-09
- DIN 6700-2
- EASA 21J (Summer 2010)
- OHSAS 18001:1999

Creative ideas – based on training & experience



Our know-how is based on the experience as well as on the creative ideas of our staff. Our specialists are committed to regular advanced training. Transfer of knowledge is a main part of our philosophy and our daily work.

You benefit from staff, being trained on all engineering-related tools. By using the software day by day, our engineers are able to get started right away. You will save long induction periods! Of course, while working on your projects we guarantee the best possible IT security.

Your projects profit from a perfectly matched team consisting of well-trained and experienced engineers and technicians. In order to achieve the maximum success, our engineers will choose the ideal system for your demands.

Furthermore, we not only know and understand your processes but are able to optimize them in order to boost your success. Via our daily work, we generate new knowledge day by day – just to make use of it while working on your projects. Regular internal and external trainings enable us to train your staff on-site in order

to smoothen your daily processes and to advance your applied methods. Our well-trained engineers will help you to simplify your daily routine for a maximum output.

Tools:

- CATIA V4/V5
- Unigraphics
- Solid Works
- CADDS 5
- CCD
- PATRAN/NASTRAN
- ANSYS
- PLM
- SAP
- PRIMES
- C/C++
- FORTRAN
- JAVA
- FLUENT
- JEM – CFD
- TAU
- CENTAUR
- TECPLOT
- ENSIGHT
- MATLAB
- PYTHON

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