



WE DEVELOP YOUR FUTURE PRODUCTS

OPEN FOR NEW CHALLENGES

### *Feel invited*

to get to know 3D CONTECH, an independent, innovative, and successful company with several subsidiaries in Germany, France, Spain, South-Africa and India. We see ourselves as a service provider for construction, stress analysis and project management.

We are rooted in aircraft design and technology.

Our headquarters are located in Hamburg, in close vicinity to Airbus Deutschland. For our main customer we work on components in

*structure,  
interior design and  
systems.*

We are looking for clients in the areas automotive engineering, ship and offshore technology, and medical engineering.

From a first draft to detailed construction – we deliver everything from one source, within our premises or on your sites.

We love to meet challenges head-on.



## SOLVING OUR CUSTOMERS' PROBLEMS

Our company combines advantageous qualities of a major enterprise with the *flexibility and innovative power* of a medium sized company.

We operate in a *customer minded and solution oriented manner,* cost effectively and timely.

If requested, our highly qualified and reliable employees also perform their jobs onsite, at the customers' premises.

*Staff contracting or working contracts* enable us to put both staff and modern equipment at your disposal- regardless where it is required.

We employ experts and specialists originating from automotive welding and assembling, as well as interior design.

Here we look for new challenges...

3D CONTECH maintains strategic partnerships in the fields of aircraft design, automotive, and naval architecture.



## CONTINUOUS COOPERATION

We design everything according to your wishes and requirements –  
*from a first draft to detailed design sheets,*  
– all out of one source.

As soon as we know the customers' requirements,  
*a team perfectly fit in size and qualification*  
is formed.

We have a pool of 500 experts, from all walks of trade in our hands.

*Competence, quality, and  
reliability*

are the means by which we maintain long-lasting, continuous  
cooperation with our customers.



WELCOME TO 3D CONTECH!

Our members of staff are highly motivated, extremely well trained and qualified and very flexible, due to the variety of tasks in their daily work.

Due to the *wide scale of staff qualification* we can quickly react to any kind of challenge.

3D CONTECH also offers job performance onsite on the customers' premises.

A humane and *social working atmosphere* as well as an ergonomic working environment is important to us..

Our customers' quality requirements set the standard for our staff.

We are certified according to DIN EN 9100/AS 9100 including ISO 9001 by a renowned notified body and by our customers.



#### SERVICES OFFERED

Project oriented engineering  
 Project procurement in outsourcing  
 Job performance on site at the customers' premises  
 Working contracts, contract staffing  
 Provision of technical equipment

#### FIELDS OF ACTIVITY

Development  
 Construction  
 Technical service  
 Project management, feasibility studies  
 Conception studies  
 Static calculations  
 Production planning and process engineering  
 Documentation and quality management  
 Contract staffing

#### SPECIALTIES

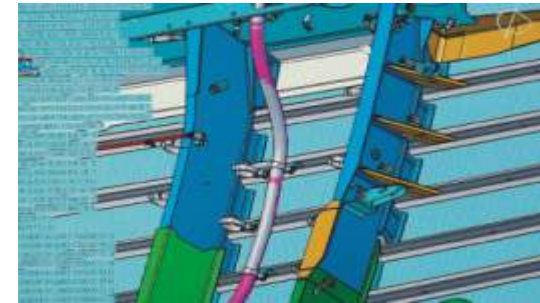
Aircraft design  
 Cabin interior  
 Mechanical engineering and plant design  
 Ship and nautical technology  
 Automotive engineering  
 Medical engineering

#### BUSINESS DEVELOPMENT

3D CONTECH is an independent family business, which has continuously grown over the past years. We are extending services in the fields of Aircraft Design, Mechanical engineering, Ship and offshore technology, Automotive engineering, end regenerative energy.

#### ORIGIN

3D CONTECH is an innovative, newly established (1997) company with roots in the traditional structure of Hamburg's aircraft design and technology.



#### TECHNICAL EQUIPMENT

##### **Hardware and infrastructure**

MS Windows XP-based workstation and HP/AIX  
 Unix workstations optimized for highest graphic demands. RAID-SERVERs operating on MS Windows and XP. VPN-Networks and back-up servers guarantee safety against data loss created by break-downs or theft. Firewalls and anti-virus technology is applied.

##### **Software used:**

2D: CCD, CADRA, AutoCAD, ME 10  
 3D: CATIAV4, CATIA V5, CADD5 5  
 Pro/ENGINEER, Unigraphics  
 TRIBON, SolidEdge, SolidWorks  
 CAE: RUPLAN, E PLAN  
 FEM: MSC.Patran/Nastran, ANSYS

Both hardware and software are regularly updated. We welcome future challenges and keep ourselves prepared for them.



#### GERMAN SUBSIDIARIES

As a company, we pride ourselves on working very closely with our clients. We have subsidiaries in Hamburg (Finkenwerder and Harburg), Bremen, Kiel, Donauwörth and Laupheim.

#### INTERNATIONAL SITES

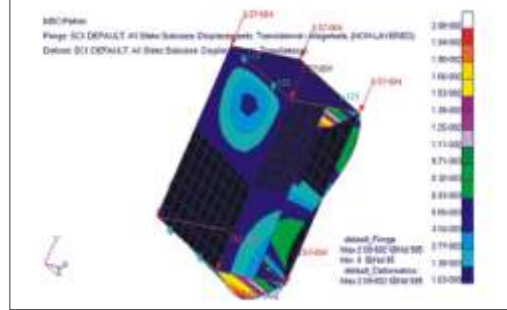
3D CONTECH is also located in France (Colomiers), Spain (Seville), South-Africa (Pretoria) and India. (New Delhi).



CERTIFIED according to DIN EN 9100/AS 9100 and ISO 9001

## TECHNICAL SERVICES

Regardless of your major field, we deliver services in  
Project planning and Project Management  
Documentation in compliance with the  
customers' requirements  
Visualisation  
Lifecycle studies  
FMEA- studies for product optimisation  
Training  
Consulting.



## OUR SPECIALIZED MEMBERS OF STAFF FIND SOLUTIONS TO EXTRAORDINARY PROBLEMS



## STRESS ANALYSIS

3D CONTECH perform stress analyses with the help of modern FEM-Software, or manually, if you wish. This includes stress analysis of all types of wing units, visualisation of strain, deformation or bending, as well as their documentation.

## AIRCRAFT DESIGN

*Development and construction:* Many years of trustful cooperation with Airbus Germany is the fundament of the company development. 3D CONTECH is involved in structure, cabin interior, system brackets and stress analysis; development and modification of the models A318, A319, A330-200 Enhanced, A340-500/600, A31 Freighter, A380 and A400M. The main focus lies on aircraft units and the stress analysis thereof. We also deliver sophisticated 2D and 3D-data models with the software of the customers' choice. For A380 and A350 we also participate in the pre-construction of appliances and aircraft workshop facilities.

*Technical Services:* Project- and process planning, stress analysis and documentation are part of our scale of activities. We also cover implementation studies of new geometries and devices, reverse engineering by means of scanned data, modification of existing 3D-models and conversion into other systems, creation of data models based on hand-drawn drafts, visualisation of 3D-models, audio-video presentation of work processes. Being customer-oriented, we also execute extensive work packages at a fixed price.

## MECHANICAL ENGINEERING/PLANT DESIGN

3D CONTECH develops and designs appliances; top-quality data models in 2D and 3d are created, using the software, the customer demands. We extend our activities in this field and look for new challenges.

Further specialities are project management, visualization of working procedures and documentation in compliance with EC-Directives for Devices as well as the creation of verifiable static analysis.

## AUTOMOTIVE / RAILWAY VEHICLE DESIGN

*Development and construction:* The top-quality standards, we achieve in our basic business of aircraft design are the standards we aim at in these expanding special fields to which automotive and railway vehicle design belong. We employ experts and specialists originating from undercarriage construction, as well as interior design. Here we look for new challenges. 3D CONTECH is capable of developing components and deliver sophisticated data models to the customers' software for industrial subcontractors.

*Technical Services:* Project- and process planning, stress analysis and documentation are part of our scale of activities. We also cover documentation of existing constructions, manufacture of specimen parts in the material polyethylene foam, on the basis of data models, packaging analyses, optimisation of production processes, logistic concepts for spare and exchange parts and/or improvement of these concepts, visualisation of work processes.

## SHIP AND OFFSHORE TECHNOLOGY

Our special team of naval architects is occupied with pontoon bridges, mechanical engineering and interior design. We work on integration and maximal improvement of technical systems. We deliver data models in 2D and 3D, using the software, the customer demands. We work on the integration of technical systems and optimise their performance. Project planning and – monitoring, process planning, stress analysis and documentation are part of our specialities. Moreover, 3D CONTECH designs and develops e. g. production plans for ship-builders, pipe lining routes and coordination plans, schemes and specifications, supply and waste concepts, simulations for studies of dynamic features main engines.

3D CONTECH extend this special field according to the customers' demands.



## ELECTRICAL ENGINEERING

Our staff in this special field can look back on years of experience, covering the entire scale of switchgear and wiring technology. 3D CONTECH plan and design e. g. control panels and switchgears for the low, medium and high voltage area. We apply the latest software customized to the clients' demands. We provide complete electrical wiring maps in compliance with EVU-Directives or site regulations, including QS-safety documentation. We also offer user support and guidance during production, custom-made adjustment and updating of the clients' data base, and Siemens S5 and S7-based SPS-programming.



*Dear Reader,*

*If the brochure, you have just read reflects just a glimpse of the dynamic that surrounds business life of 3D CONTECH, you get an idea of her future.*

*We are continuously expanding on a high level and progressing on the same high level: with the aim of becoming **the** service provider for all trades, covering everything from design and development, stress analysis and construction up to the stage of fitness for serial production, respectively, up to a final product.*

*For this goal, we extend the scale of our activities- main focus being automotive, jigs and tool manufacture, ship and offshore technology and medical engineering.*

*We keep on looking for new challenges.*


*We are ready for you.*

*Yours truly*

Two handwritten signatures in blue ink. The first signature is 'H. Löblein' and the second is 'R. Löblein'.

*Helga Löblein  
Managing Directress  
of Commerce*

*Richard F. Löblein  
Managing Director*



What one invents, one does with love,  
what one has learned, with confidence.

Goethe: Maxims and Reflexions



3D CONTECH Germany

Hein-Saß-Weg 36 D-21129 [Hamburg](#)

Phone +49 (0)40 74378161 Fax +49 (0)40 74378170

Schauenburgerstraße 116 D-24118 [Kiel](#)

Phone +49 (0)431 5606650 Fax +49 (0)431 5606645

Flughafenallee 28 D-28199 [Bremen](#)

Phone +49 (0)421 3794827 Fax +49 (0)421 3794828

Ludwig-Bölkow-Straße 9 D-88471 [Laupheim](#)

Phone +49 (0)7392 9644710 Fax +49 (0)7392 9644729

Dr.-Ludwig-Bölkow-Straße 1 D-86609 [Donauwörth](#)

Phone +49 (0)906 402 196 70 Fax +49 (0)906 402 196 99

3D CONTECH France

57,Avenue Jean Monnet - F-31770 [Colomiers](#)

Phone +33 (0)5 61 40 91 55 Fax +33 (0)5 34 15 98 16

3D CONTECH Espagne, Phone +34 675 081 982 [Seville](#)

3D CONTECH India [New Delhi](#)

3D CONTECH ENGINEERING South Africa [Pretoria](#)

3D CONTECH 

loeblein@3dcontech.de [www.3dcontech.de](http://www.3dcontech.de)