

ENGINEERING FOR FUTURE





YOUR TEAM FOR FUTURE CHALLENGES

„Engineering skills network“

We offer services as a single package or individually tailored to your needs in individual project stages. Your needs are always at the forefront. You benefit from a network of specialists, resulting from many years of successful cooperation with various partners around the world.

We can guarantee the highest standard of engineering services during each individual phase of your project



B+B Engineering GmbH
Otto-von-Guericke-Straße 50
39104 Magdeburg
Germany

Phone +49. 391. 50 54 995 - 0
Fax +49. 391. 50 54 995 - 9
Mail info@b-b-engineering.de
www.b-b-engineering.de

CONTENT

PAGE 2	-	PREAMBLE
PAGE 3	-	LICENSE APPLICATION
PAGE 4	-	BASIC-ENGINEERING
PAGE 5	-	DETAIL-ENGINEERING
PAGE 6	-	PROJECT MANAGEMENT
PAGE 7	-	TECHNICAL CONSULTING
PAGE 8	-	RESEARCH



We support you in organising and presenting the approval procedure! We will identify requirements in discussions with the competent authorities and prepare your application for approval.



BASIC ENGINEERING

Basic engineering includes the following services:

- Design of process components
- Process description
- Material and energy balance
- Process flow sheets, process and instrumentation diagrams (P&ID)
- Operation concept
- Equipment lists and specifications
- General layouts
- Task for civil engineering
- Cost and schedule planning
- Process analyze and simulation





DETAIL ENGINEERING

Detailed engineering work is performed using state-of-the-art 3D CAD software, which provides an inside view of the plant before construction and production have even begun. Detail engineering includes the following services:

- Layout design in 2D and 3D
- Piping engineering including isometrics
- Development of control concepts
- Planning and design of measurement and control technology
- Development of process and program sequences
- Supervision/coordination of planning of electrical engineering/control systems
- Supervision/coordination of construction planning





PROJECT MANAGEMENT

Project management means adapting the organisation to the specific character of the relevant investment project. All stages are taken into consideration here: Planning, procurement, construction and commissioning. In each of these stages, we involve the customer as a partner and are available to advise him.

This is an essential requirement of our company philosophy which is targeted at professional service for long-term stable customer relations.

Project-Management comprises following performances:

- Coordination of deliveries and services
- Schedule planning and control
- Cost monitoring and management
- Project supervision
- Documentation, qualification

TECHNICAL CONSULTING

„Our aim: to give our customers a competitive edge“

Regardless of the industry or the status of a process/product development, we provide our know-how and our experience for optimising procedure processes as well as for the industrial implementation of new procedures and plant concepts.

We offer:

- Technical consultation for vegetable oil processing
- Development of project concepts for technical innovations
- Project documentation
- Energy efficiency consultation service





RESEARCH

„The market calls for innovations“

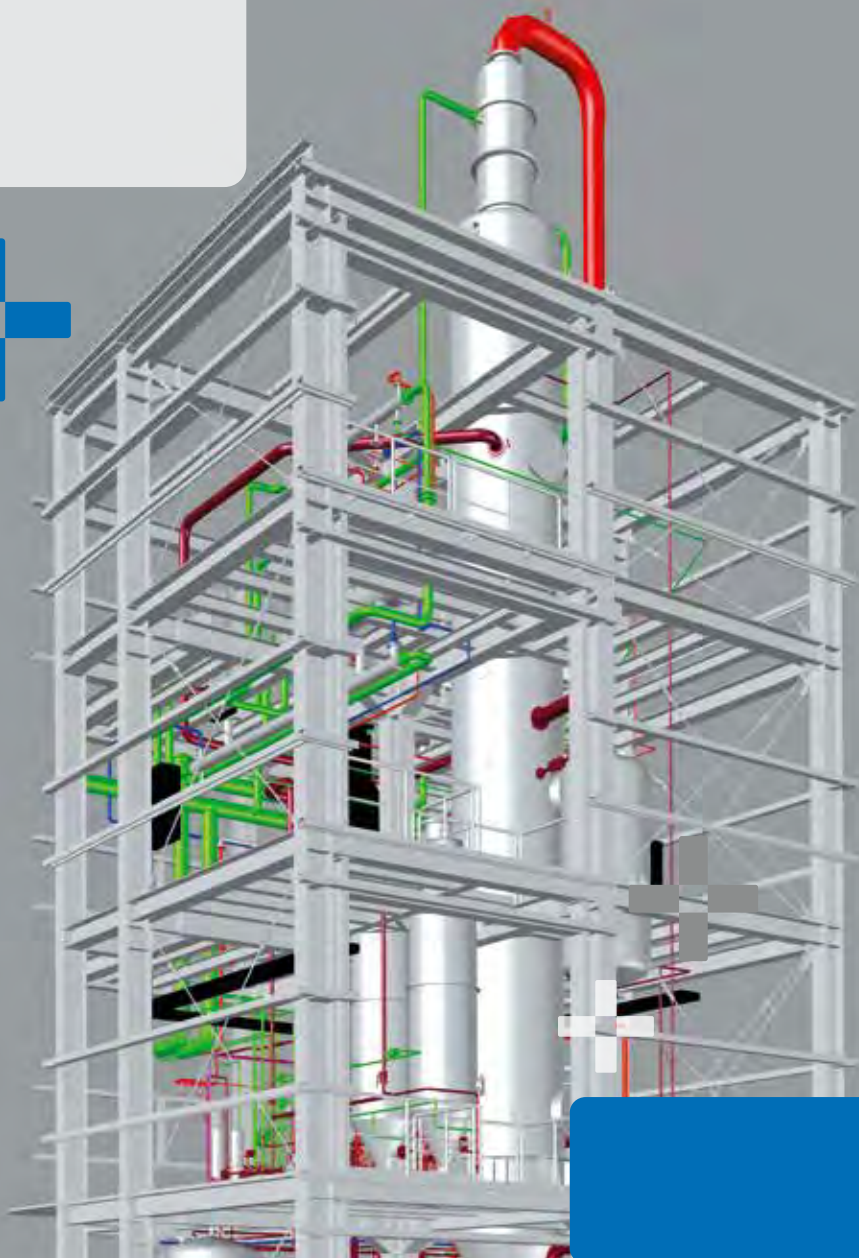
We set ourselves that challenge. B+B Engineering is an innovative company. Unique know-how and an unrivalled position in the market are the objectives of our research activities. A permanent innovation process is inextricably linked to our core competencies in our daily work. Our own research capacities as well as co-operations with universities, research facilities and partner companies enable us to handle complex development tasks at the highest level.



RESEARCH



WE DESIGN AND BUILD
CUSTOMIZED PLANTS





YOUR TEAM FOR PARTICULAR CHALLENGES

„Facing the challenge of a global market“

Process-related plant construction is extremely complex, and requires a high degree of international cooperation on the part of companies with a global operation.

Turnkey plants, modernisations, expansions or the optimisation of existing plants - we implement all this with passion for you around the world.



B+B Engineering GmbH
Otto-von-Guericke-Straße 50
39104 Magdeburg
Germany

Phone +49. 391. 50 54 995 - 0
Fax +49. 391. 50 54 995 - 9
Mail info@b-b-engineering.de
www.b-b-engineering.de

CONTENT

PAGE 2	- PREAMBLE
PAGE 3	- VEGETABLE OIL TECHNOLOGY
PAGE 4	- PHARMACY
PAGE 5	- COSMETICS
PAGE 6	- CHEMISTRY
PAGE 7	- AUXILIARIES SYSTEMS
PAGE 8	- PILOT- & SPECIAL PLANTS



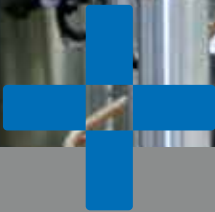
VEGETABLE OIL TECHNOLOGY

„Customers can avail themselves of our wealth of experience“

Technologies for oil seed processing, refining and modification of plant-based oils and fats including the required utility and energy supply systems are at the heart of our engineers' know-how. B+B Engineering plans, constructs and optimises plants worldwide.

- oil seed processing
- edible oil refining
- special fat processing
- energy efficiency





PHARMACY

„Systems engineering for everyday essentials“

B+B Engineering meets the highest demands for specific requirements in planning and constructing the most varied pharmaceutical process and supply plants. Our company is a member of the European Hygienic Engineering & Design Group.



COSMETICS

B+B Engineering's range of services includes optimisation of existing plants as well as planning and construction of new plants with all prerequisites for the necessary infrastructure and utilities. Our company is a member of the European Hygienic Engineering & Design Group.



COSMETICS





CHEMISTRY

There is a large variety of processes and plant designs in the speciality chemicals sector. B+B Engineering gives each plant and each process its own necessary careful consideration and process expertise.

Speciality chemicals plants are always planned and constructed in close coordination and cooperation with our customers and their many years of operating experience.





AUXILIARIES SYSTEMS

„Auxiliaries systems – the main arteries of a plant“

The consistency and quality of an industrial plant's production are determined to a very large extent by the infrastructure which supplies it. We plan and construct systems for storage, generation and distribution of process utilities around all industrial plants.

These include:

- Load/unload systems
- Tank farms for products and auxiliary materials
- Water preparation plants
- Steam and hot water generation plants
- Compressed air and gas generating systems
- Cooling water systems
- Cleaning systems





PILOT- & SPECIAL PLANTS

„Customised solutions from an experienced source“

Process-related plant construction is extremely challenging, and requires a high degree of specialist knowledge and expertise. We successfully meet our customers' specific challenges and deliver plants according to their requirements.

- Small-scale production plants
- Pilot plants
- Development of new plants on an industrial scale and much more.

