



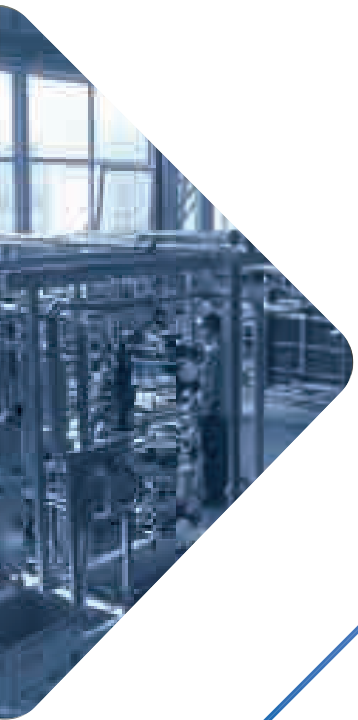
**B&P
Engineering**

Concentrated on
your Success!

OEM CONTRACT and CUSTOM MANUFACTURING

for stainless steel product & process equipment

Custom contract-manufacturing services to a variety of industries including food and beverage, chemical, and pharmaceutical processing.



www.subcontracting-bp.com

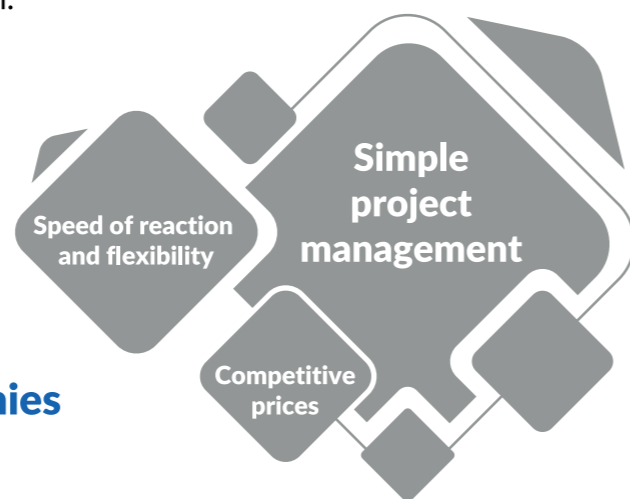


Advantages of cooperation

Simple project management. The project is conducted by an experienced project manager from beginning to end.

Speed of reaction and flexibility. The execution of works within a one location guarantees a quick response of specialists in a situation that calls for it and allows for a high flexibility of actions during cooperation.

Competitive prices. With the positive effects of constant optimization of production processes and the use of modern manufacturing, methods we offer the customer attractive prices and a comprehensive and professional service.



B&P Engineering cooperates with many international companies from various industries.



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We are a leader in Central and Eastern Europe providing a full range of state-of-the-art machinery and process equipment for the fruit juice and concentrates industry.

Comprehensive service

B&P Engineering, apart from making its own products, offers contract and custom manufacturing services of machine construction and advanced equipment based on the received documentation.

Custom fabrication of stainless steel products and process equipment | OEM production

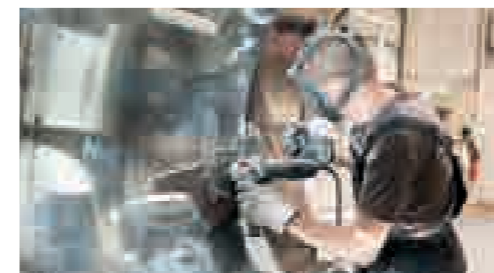
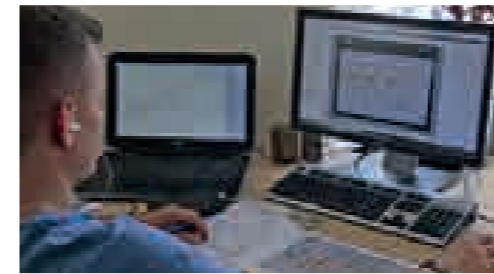
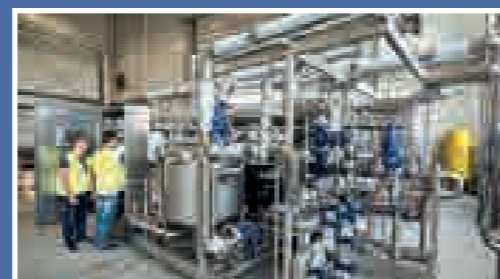
We are experts in tank design and fabrication for multiple applications. Our custom-built devices are used in technological processes by companies from the food, chemical, cosmetics, pharmaceutical, water, and sewage industries.

A Single, Complete Integrator and a perfect final Product

Engineering, project management, fabrication, manufacturing, welding, assembly, testing, and installation make B&P Engineering your large scale 'one-stop-shop' for custom processing equipment.

By deciding to start cooperation with us, you choose a comprehensive solution.

You get full support in the implementation of your project.



WIDE AND MODERN MACHINE PARK

Production area: 30 000 m² | 5 production halls

Production machines: 54 pcs

DESIGN AND PRODUCTION

- ▶ various types of stainless steel tanks,
- ▶ equipment based on the received documentation,
- ▶ completely engineered skid systems,
- ▶ various types of hydraulic presses,
- ▶ machines and devices for producing juices and fruit concentrates,
- ▶ complete technological lines for producing juices and fruit concentrates,
- ▶ construction of automated technological lines and work stations with the use of manipulators and industrial robots,
- ▶ design and isometric modeling of pipelines in AutoCad,
- ▶ design of electrical installations and industrial automation,
- ▶ design and construction of control cabinets.



OEM CONTRACT MANUFACTURING WITH THE HIGHEST QUALITY & CUSTOMER SUPPORT

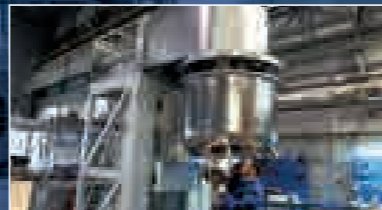
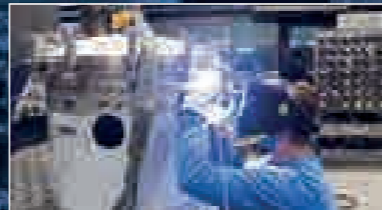
As an OEM contract manufacturer, B&P Engineering has partnered with global companies to reduce production costs and improve product quality. Top OEM brands count on B&P Engineering's fulfillment capabilities and engineering staff to continually increase their customer satisfaction.

In contract manufacturing, we can offer advanced industrial products in small and medium series.

B&P Engineering can help take your company and product to the next level with:

- ▶ **Design & Build Services**
- ▶ **Engineering Support**
- ▶ **Production Cost Reduction**

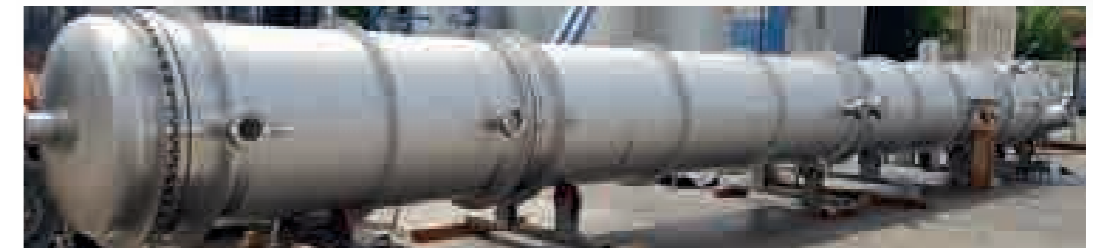
Engineering applications of technological equipment designed and manufactured by B&P are used by companies in many areas: Dairy industry, Beer and Beverages, Juices, Water and sewage, Chemistry, Pharma and Cosmetics as well as Spirits and Distilleries.



Types of manufactured equipment



- TANKS
- MIXERS
- REACTORS
- DECANTERS
- SEPARATORS
- FILTER CAGES
- EVAPORATORS
- SKIDS SYSTEMS
- CRYSTALLIZERS
- SCREW CONVEYORS
- HIGH SHEAR MIXERS
- PRESSURE APPARATUS
- COLUMNS, EVAPORATORS
- TUBULAR HEAT EXCHANGERS
- GRANULATORS AND PROCESSORS
- DEGASSING MACHINES FOR POWDERS AND LIQUIDS

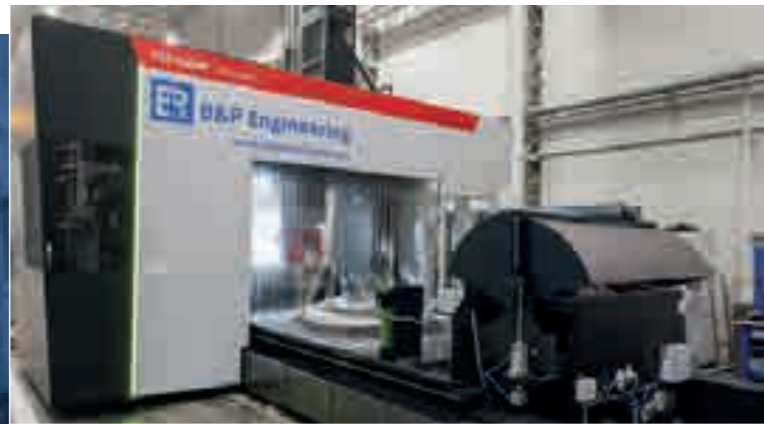




STAINLESS STEEL FABRICATION SERVICES

Custom manufactured and engineered stainless steel components and assemblies, built according to your specifications.

Production runs for OEM contract manufacturing along with in-house engineering, welding, cutting, forming, rolling, machining, and surface finishing. All managed under one roof.

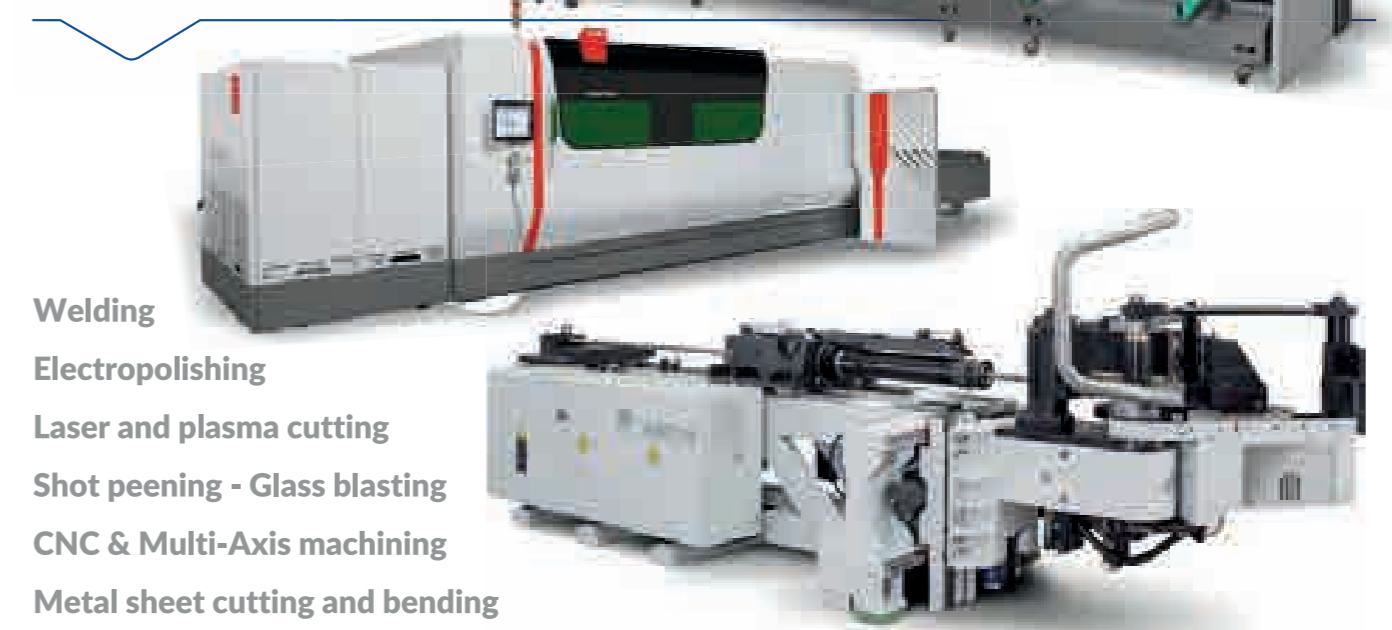


We provide project management, engineering, technical documentation, production, final testing, and customer delivery.

A wide range of class leading equipment all housed in our state-of-the-art facility offers improved time to delivery and cost reductions. Removing 3rd party services and controlling quality gets you a turnkey processing system ready for production.



Extensive Stainless Steel Fabrication Capabilities



Welding

Electropolishing

Laser and plasma cutting

Shot peening - Glass blasting

CNC & Multi-Axis machining

Metal sheet cutting and bending

Design of machinery and equipment

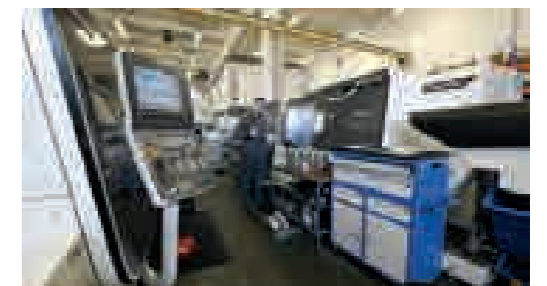
Cutting, forming, and bending of tubes

Visualisation of manufacturing processes

Erection and programming of control cabinets

Automatic grinding, polishing of tanks and end caps

Rolling (bending) and coiling of profiles and sections





CUSTOM MANUFACTURING FOR STAINLESS STEEL PRODUCTS & PROCESS EQUIPMENT

As a custom contract manufacturer for the biggest OEMs and companies in the world, we can help improve your current processes and systems from assemblies and systems to complete plant production lines.

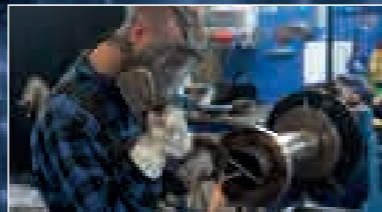
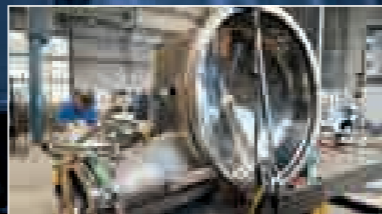
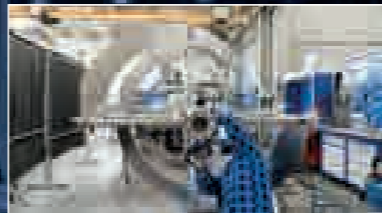
B&P Engineering approaches design, fabrication, and project management with a different, personalized process to fit the needs and specifications of every customer.

Our mission is full customer support in the implementation of the project.

The customer does not have to involve its employees or production and installation teams with various companies to supervise and coordinate the works.

B&P Engineering will deal with the implementation of individual stages of the project.

An experienced project manager is delegated to supervise the works and in accordance with the agreed schedule, coordinates the implementation and reports progress.



A Dedicated Team for Your Design Build Projects



STAINLESS STEEL TANKS, VESSELS, AND REACTORS

We are a manufacturer of high quality tanks and vessels made of stainless steel and its derivatives.

Each design of the storage or process tank is developed by the engineering department applying the latest version of the computer calculation software and project design (tools).

Atmospheric tanks (e.g. storage vessels, buffer tanks) are made of cold-rolled steel with surface quality 2B. Stainless steel pressure vessels, on the basis of strength calculations, are manufactured of cold- or hot- rolled steel, depending on its thickness.

The grinding of welds, tank ends, or entire inner surfaces of the tank is done with a CNC grinder or is manually ground. Depending on the process requirements that the designed vessel should meet, we can obtain a surface quality even better than Ra 0,2 um.



Our Tanks offer includes:



- silo tanks**
- buffer tanks**
- mixing tanks**
- aseptic tanks**
- storage tanks**
- melting tanks**
- pressure vessels**
- equalization tanks**
- vacuum-pressure reactors**
- fermentation tanks / fermenters**
- tanks for products subject to excise duty**
- non-pressure and low pressure tanks for corrosive or toxic materials**



TANK DESIGN OPTIONS

- ▶ Ellipsoidal, conical, deep pressed, basket, flat boiler ends
- ▶ Tank insulation (e.g. mineral wool, polystyrene, thermoflex)
- ▶ Side or top agitators of different design (counter rotating, anchor, propeller, magnetic, cage)
- ▶ Heating or cooling jacket (pillow plate, double jacket, triple jacket, channel jacket, electric jacket)
- ▶ Manual, automatic control

Technical specifications:

Material: 1.4301, 1.4404 or other as per customer requirements

Surface: IIIc, IIIId, etched, sanded, polished, polished electrically, shot peening

Capacity: up to 200 000 litres as standard - at production facility, larger dimensions available as per customer needs and requirements - performed at the customer's premises

Diameter: up to 4 200 mm or larger by special request, built on site

Layout: vertical or horizontal

Insulation sheathing: coated, trapezoidal, stainless, smooth hermetically welded metal sheet



Professionals in tanks design and fabrication for multiple applications.



Our customers are leaders in the food, pharmaceutical, chemical, and cosmetics industries.

Each tank is equipped with the necessary connections, sensors, and additional devices according to the requirements of the technological process or customer demands. These include: agitators, sight glasses, temperature and level sensors, pressure transducers, conductometerd, safety valves, and spraying nozzles.





SHELL AND TUBE HEAT EXCHANGERS FABRICATION

We provide fabrication of heat exchangers on the basis of the documentation received from the customer.

B&P Engineering is capable of manufacturing heat exchangers that reach a mass of 20 tons and include more than 7,000 pipes welded on the floor tube sheet.



All processes
under one roof





CUSTOM BUILD MODULAR PROCESS SKID SYSTEMS

| FABRICATION | ASSEMBLY | DELIVERY |

Process skids which are manufactured by B&P Engineering can not only increase the lifespan of your equipment, but can reduce the costs of labor in maintaining it.



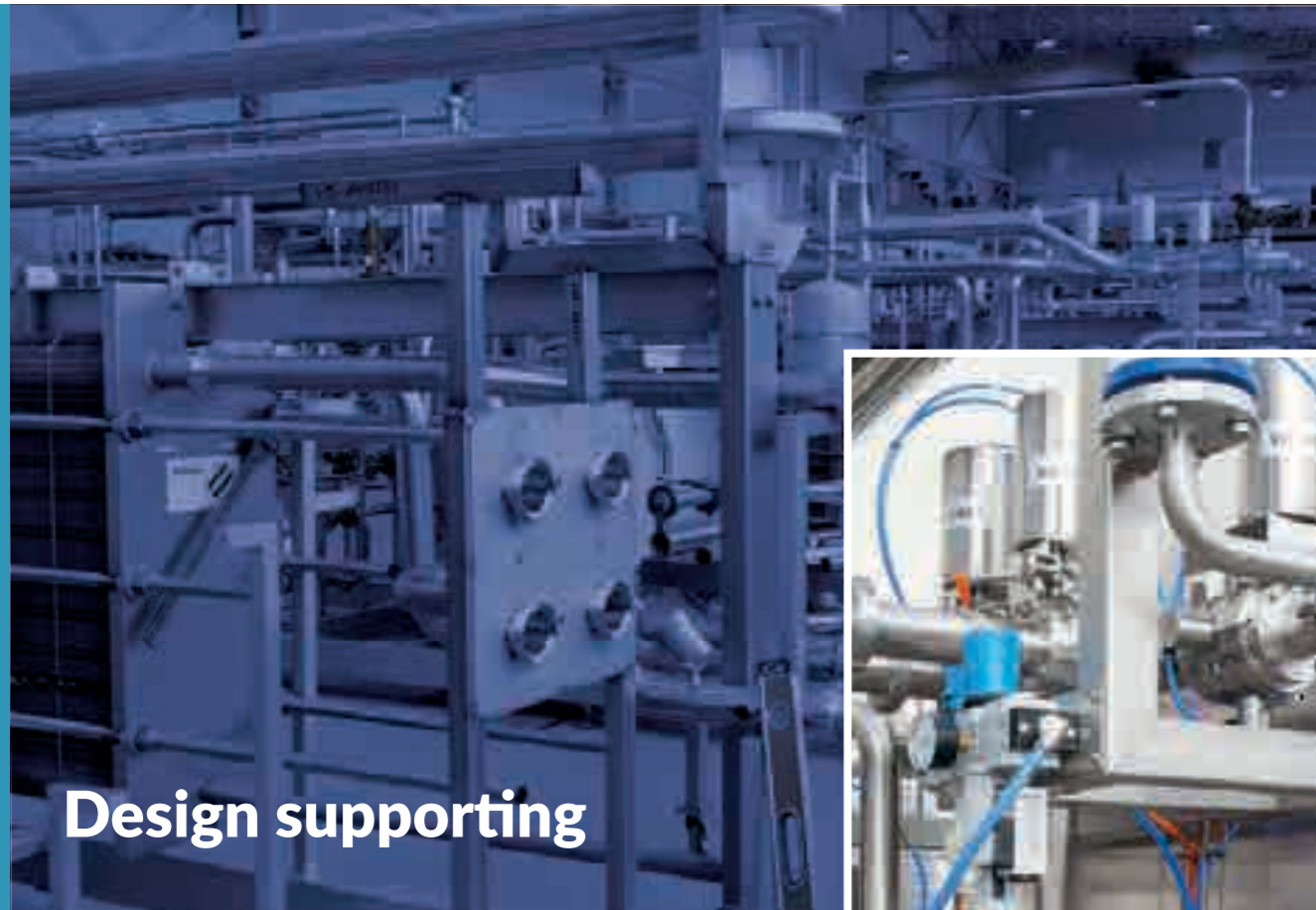
B&P Engineering provides custom-made turn-key modular process skid systems for any project.



B&P Engineering is a single source for plug and play systems. Because of this, we can drastically reduce both your project costs and time. Risks and activity can be reduced on your site through our supply of single or multiple units from our world-class manufacturing facility.



Our teams of engineers, programmers, and automation specialists have many years of experience in the construction of filtration, pasteurization skid systems for the beverage the industry.



Design supporting

By playing a key role in supporting you during the design phase, we can ensure that the process you envision actually works in practice. By reviewing and surveying the conditions of construction early on, we are able to fully understand and accommodate your needs. Whilst you are aware of what it is your process piping skids and systems need to accomplish, we also know how to piece the infrastructure together. We know how to do this with safety and efficiency whilst preserving product quality.



Our custom skid systems

can be used in a full range of applications that include batch control, oil blending machinery, filtration systems, temperature control units, and flow control units. Before we commence any installation at client facilities, all of our custom skid system products are thoroughly tested in-house. This is to ensure that all of our systems are fully functional and work-ready prior to their setting up. To meet your specific design and process requirements, B&P Engineering offers customized integrated process skid fabrication and electrical skid mounted process systems that are pre-wired and mounted on a common base.



Before shipment, all of our skids are fully FAT tested in our shop. By doing this, start-up problems in the field are eliminated and our customers are able to get on line more rapidly. We also work with our customers to obtain all relevant certification prior to shipment.

Features and Advantages

Skid design and layout features:

- ▶ **Portable design** – easier to transport, self-contained units (container sizes).
- ▶ **Small footprint** – all necessary process equipment, tanks, piping can be fit into a smaller space (equipment layering).
- ▶ **Process connections are gathered into one place** on the skid. This allows for easier connection with the plant installations.
- ▶ **Built in controlled conditions offsite** do not affected on plant operations.
- ▶ **Factory acceptance tests** – fat testing can be completed before modular process skid is shipped to site.
- ▶ **Accessible layout** – frame design - easy access to all equipment components.

Why use B&P Engineering for process skid fabrication?

We have our own state-of-the-art facility where we fabricate and manufacture units with total quality control and supervision. Optional milestone inspection points allow our customers to both monitor progress and check specifications throughout the building process. Our indoor facility allows us complete control over production times, as we are unburdened by weather delays.



This saves time through having total control and stability of our production environment. On your schedule, we deliver and oversee the re-assembly of your units. Due to the customization of most projects, we provide full transparency in both our processes and progress along the way.

Advantages of cooperation with B&P Engineering:

- ▶ **COMPREHENSIVE SUPPORT**
towards consulting, engineering, and project completion, all from a single source
- ▶ **A WIDE RANGE OF PRODUCTS**
including modular, scalable, and high-quality skids for the handling of liquid products
- ▶ **SHORT INSTALLATION TIMES**
assembly and preliminary testing at our factory under operating conditions
- ▶ **HIGH LEVEL OF FLEXIBILITY**
greater transportability, easy combination and later expandability due to stable modular design



Custom made!

We provide a broad range of modular and scalable skids ready for operation.

Skid systems are not all the same, however. Even though many fabricators focus on producing standardized systems, it is optimal that most systems obtain a custom-made processing skid. In fact, most systems should be custom-made. This is down to the simple fact that facilities are unique in both the way their spatial area is arranged and in the distinctive way that they arrange their equipment.

Why Choose B&P Engineering Turnkey Modular Process Skids?

Just what is it that makes B&P Engineering stand out from other skid manufacturers? By using a unique collaboration process through design, engineering, and fabrication, we manage to break down silos. By taking turnkey responsibility, we not only lower your risk, but we complete the process more speedily than our competition.

The team at B&P Engineering takes full ownership of their responsibilities, which empowers us to discover any potential problems more quickly, thereby making our projects more efficient. As we realise that you are busy, once we fully understand your needs, we are able to independently focus on accomplishing your goals, allowing you the ease of focusing on your day job.



We understand your process requirements, our team of experts across B&P Engineering can then head towards providing a solution and design. We can craft custom control panel and skid-mounted systems for your unique applications. Whether simple or complex, fabricated systems from B&P Engineering can cut the expense and trouble of both sourcing and compiling individual components, and ultimately save you time.



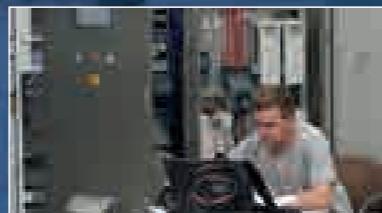
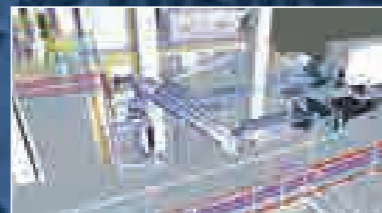
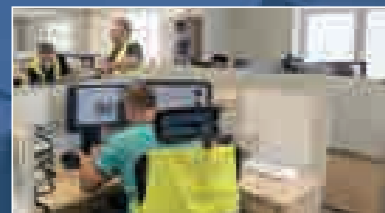


END-TO-END MANUFACTURING FOR YOUR MOST COMPLEX PROJECTS

With every process under one roof, we can manufacture for less, while retaining complete control over production and quality, giving you a better product at a lower cost.

From engineering to quality checks, we can roll, cut, mill, weld, and everything in-between to deliver the exact equipment your project requires.

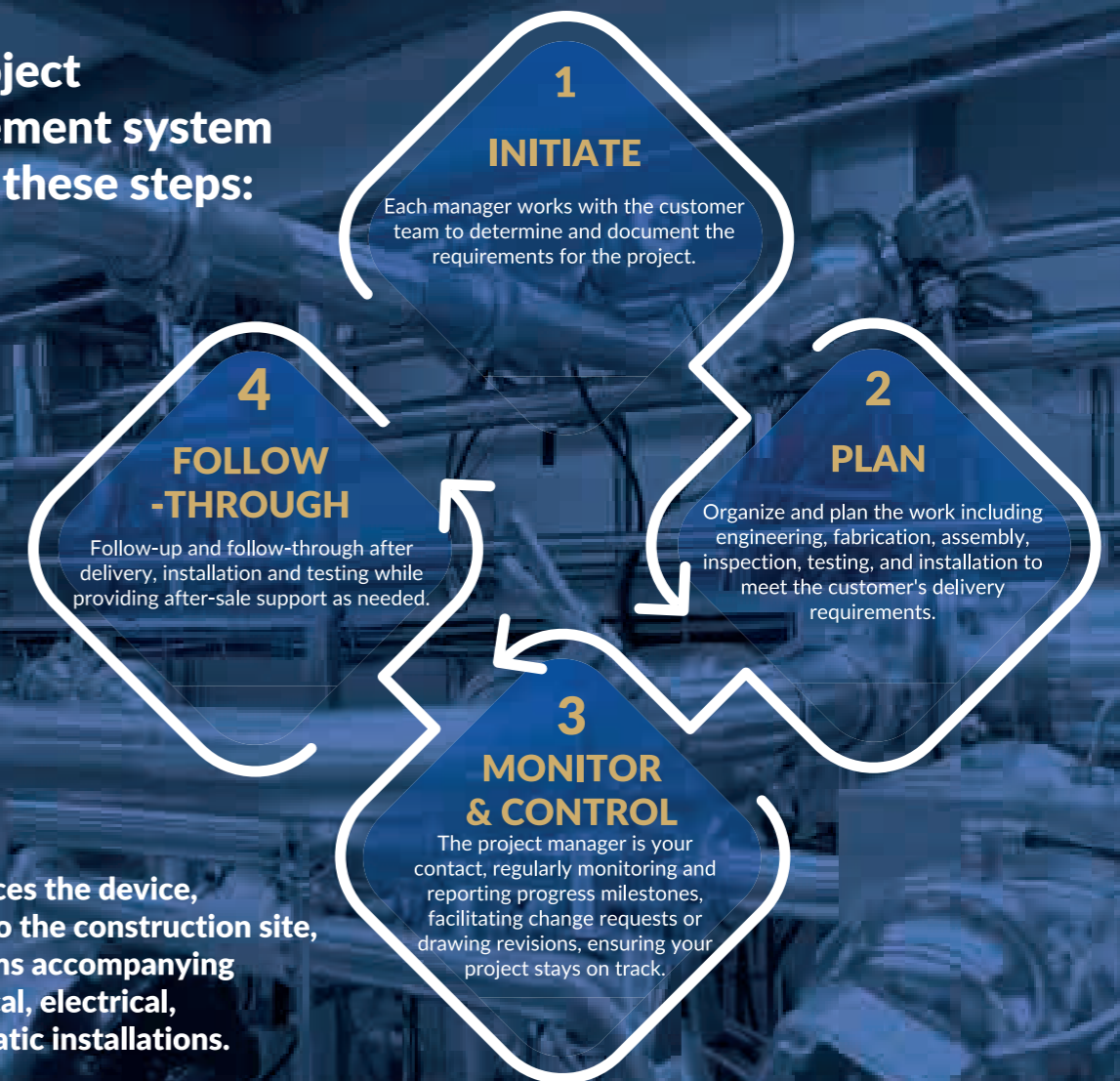
Executing your project on-time and on-budget to our high quality standards requires expertise, a high level of communication, attention to detail, and the willingness to get involved and “own” the project. Each Team oversees their project from start to finish. Each Project Manager has dedicated resources including engineering, design, fabrication, welding, and assembly personnel and equipment.



Our knowledge and experience allow us to carry out up to three turnkey projects or greenfield investments at the same time.



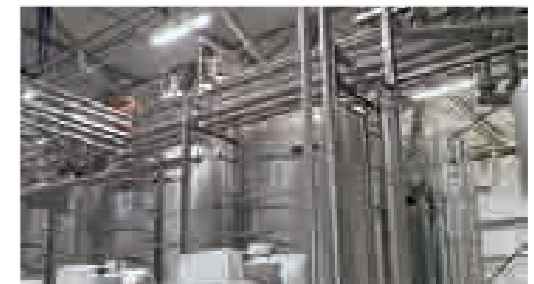
Our project management system follows these steps:



B&P produces the device, delivers it to the construction site, and performs accompanying technological, electrical, and pneumatic installations.

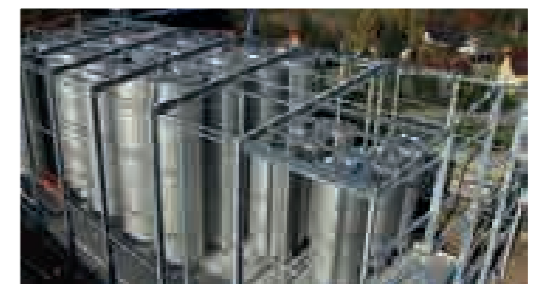
Installation at the construction site, including:

- ▶ construction of industrial pipelines,
- ▶ construction of boiler and compressor rooms,
- ▶ installation of thermal and acoustic insulation,
- ▶ installation of cable trays and electrical installations,
- ▶ industrial automation,
- ▶ control cabinets installations.



Specialized mobile teams, in accordance with the developed documentation:

- ▶ weld industrial pipelines,
- ▶ install thermal and acoustic insulation,
- ▶ arrange electrical installations,
- ▶ build and install control cabinets,
- ▶ configure and commission control systems.



FABRICATED, ASSEMBLED, AND DELIVERED READY FOR OPERATION!



QUALITY CONTROL

From design build to fabricating to specs, customers can expect a final product fully assembled, tested, and integrated ready for production.

Factory Acceptance Tests are just one piece of the complete list of inspections, quality checks, and verification we do to ensure high standards are met and a quality final product is delivered.

To deliver a quality final product our quality control inspectors prepare acceptance tests, lists of inspections, and quality checks.

As a full-service custom fabrication facility, quality is our number one priority with the most technologically advanced equipment and skilled craftsmen. From your most complex, integrated systems to simple specialized material parts, we have the capabilities to deliver.



CERTIFICATIONS THAT DELIVER THE BEST PRODUCTS AND EQUIPMENT

B&P Engineering is constantly working on raising the company's own standards and on meeting national and international standards.

We are convinced that maintaining high quality in every field determines customer satisfaction. We treat services and products not as separate elements but as a coherent whole.

ISO 9001:2015

OHSAS 18001:2007

ASME U-STAMP

ISO 31000:2012

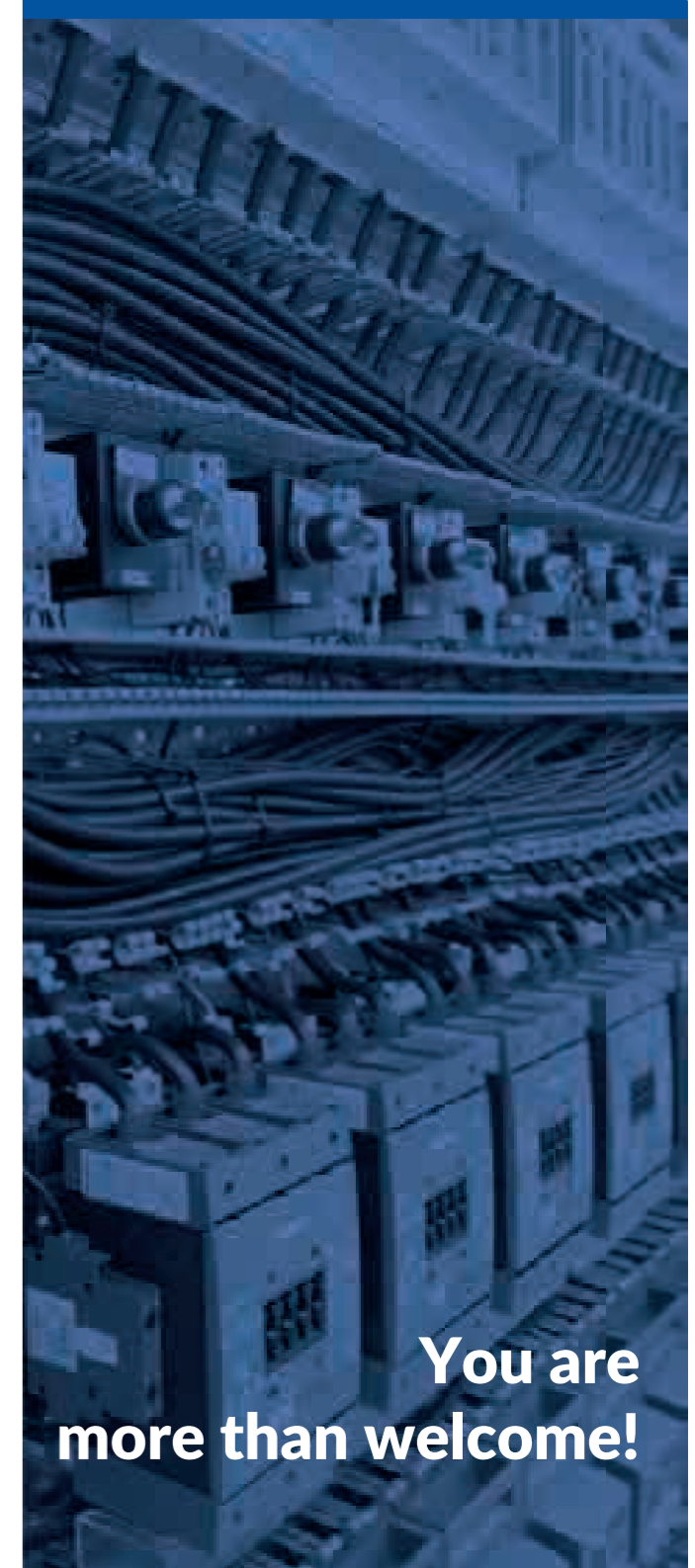
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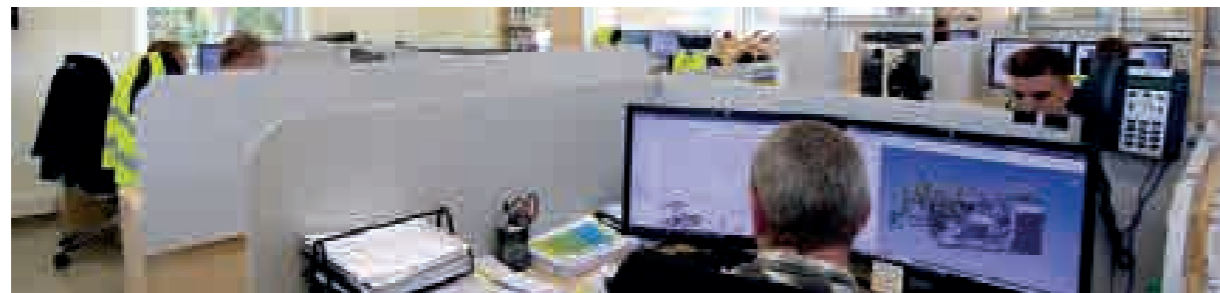
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Unique
selling points



You are
more than welcome!



Concentrated on **your success**

Know-How approach

- ▶ R&D team,
- ▶ Construction department,
- ▶ Specialist automation and programmer teams.

Self-sufficiency

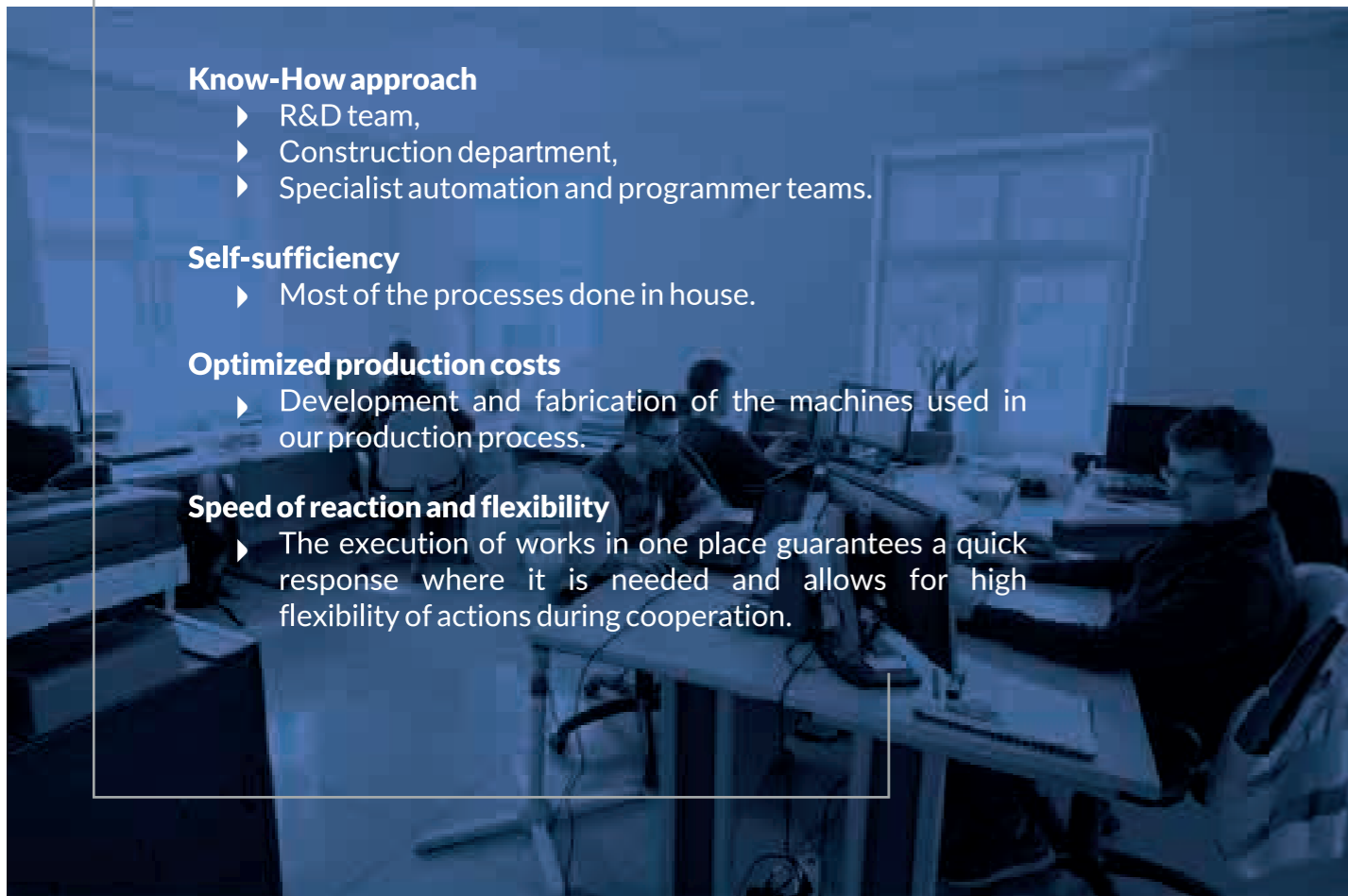
- ▶ Most of the processes done in house.

Optimized production costs

- ▶ Development and fabrication of the machines used in our production process.

Speed of reaction and flexibility

- ▶ The execution of works in one place guarantees a quick response where it is needed and allows for high flexibility of actions during cooperation.





**B&P
Engineering**



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