Engineering for the process industries

From concept to an operating facility.
All disciplines for your plant.
The economic success of your plants starts before the first batch leaves your production. It is decided with the start of the project, and the selection of the right partner for project management, engineering and implementation. So make the right choice: plantIng.

Due to our focus on the process industries of oil & gas, petrochemicals, chemicals, pharmacy & life science and energy, we have a central topic in our service portfolio: your plants and your projects. In these sectors, we are familiar with the processes and technologies, and the sector-specific requirements.

Benefit from our sector expertise in every technical requirement. Our specialists from the various areas work in an interdisciplinary manner. In this way, you find efficient solutions, which also optimise raw material and energy consumption, reduce retrofitting or breakdown times, and ensure the productivity of our plants – tailored to your individual requirements.
- Generation, storage, management
- Transport, distribution
- Electricity
- Heating and cooling
- Water, steam, pressurised air, gas
- New energies

Oil & gas

- Downstream plants for extraction, storage, distribution
- Brownfield and greenfield projects
- New plants, renovations, revamps, debottlenecking
- Optimisation and extension of existing plants

Pharmacy & life science

- Pharmacy, food and biotechnology
- User requirement specifications
- Risk analyses and planning
- Partial and complete projects
- Design, installation and operations qualification (OQ, IQ, EQ)
- Personal care and home care

Petrochemicals

- Monomer and polymer plants
- Thermal and mechanical processes
- Optimisation of energy consumption
- Debottlenecking to increase production performance

Chemicals

- Basic, agrochemistry, fine chemicals and specialist chemicals
- Continual and batch processes
- Conventional and multi-component plants
- New plants, extensions, optimisations
You place importance on your plants and processes being planned and carried out to a state-of-the-art standard. At plantIng your projects are in the best hands. As an engineering specialist for process plants with engineers and technicians with sector experience, we put the right teams together for your project. Apart from the technical side of project management and realisation, we also keep an eye on professional project management and project controlling.
As an engineering partner of the process industry, we take care of the complete project planning for our customers. From the first idea and concept to the execution planning, we manage the whole project including time and costs. Furthermore, we offer support as a consultant in all project phases. Apart from our expertise, our customers primarily value the close cooperation between partners.

Thereby, this collaboration also reaches beyond the individual project: we make competences and resources available in the long-term framework contract – a model for safety and flexibility. If you also want to relieve your project and resource control, we manage complete engineering partnerships for you, as a managed service provider. This increases the quality and efficiency of your whole project portfolio.
We start the project development together with you, in the early definition and strategy phase. The considerations that determine success and scope, drafting the project even before carrying out a feasibility study, are at the beginning. Here, the following points are determined: what is the target of the project? What key points must be defined? What are the relevant management parameters? The project is given a first face.

STEP BY STEP TO THE BEST POSSIBLE PLANT

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A QUESTION OF FEASIBILITY?
WE IDENTIFY THE WAY.

- Selection of location and process definition (incl. upscaling)
- Safety studies and quality planning
- Economic viability and risk analyses
- Determination of weak points and suitable solutions
- Process simulation and conceptual engineering
- Authorities engineering/permitting

CONSULTING PHASE
There is more than one way to meet a target. With planting you will find the ideal and most economical one. Because we support you with every detail, in the implementation in engineering, procurement and construction. The extensive project management gives you the guarantee that all works will be coordinated effectively, matching to the project and process requirements.
GENERAL PLANNER (EPCM) FOR THE WHOLE PROJECT

If everything needs to fit together, EPCM is often the best form of contract. In these cases, we take on the whole coordination and execution of the project for you, one partner for all issues! Thanks to our experts at handling bigger investments, realisation on time and in budget is guaranteed – and you can concentrate completely on your own business.

PROJECT MANAGEMENT

Plant design and process engineering demands complexity management. The individual tasks, such as coordination of the disciplines, communication, procurement management and technical implementation, are in good hands with our project management. You can rely on everything going smoothly and according to plan – both during project realisation and during operation.
Even after mechanical completion of your plant, our job is not yet finished. We help you commission the plant and of course during ongoing operation. And if a turnaround is necessary at a later stage of the plant life cycle, we are your partner there, too.
SITE ENGINEERING ACCELERATES YOUR PROJECTS

The more demanding the processes and the interfaces between plants, the more important it is to have a permanent presence on-site. Site engineering with the specialists from plantIng is the answer: a technical office ensures close cooperation. Plant changes and small projects can be resolved quickly and efficiently.
At first glance, we are a medium-sized engineering company with long-standing experience, and many reference projects in the process industry. At second glance it becomes much more. The strong, independent ABLE GROUP that we belong to is Germany’s largest group for engineering and IT services. For us, this primarily means an established, high process orientation, targeted employee training and continuing education programmes conducted by the ABLEacademy, and as a result permanent qualification of our employees. For you, this means long-term prospects, commitment and stability.
With DIN EN ISO 9001, SCC and SiGeKo we are certified by third parties. Internal audits and further standardisation in technology and processes also ensure high-quality service and clearly structured processes.

CERTIFIED STANDARDS

You have high requirements for the quality and sustainability of a solution or product, combined with efficiency and productivity. This describes our point of view. This is the way our processes and structures are designed.

OUR REQUIREMENT: DESIGN WITH QUALITY
Your company needs the right environment for perfect operation. The proximity to suppliers, logistics, markets and resources defines the ideal site conditions. Therefore, we do it like you: your site is our site!

**MANAGEMENT OF RESOURCES AND COMPETENCES**

For planning and project management you need comprehensive expertise in all relevant disciplines. Our operative headquarters in Cologne are established in such a way that all plant construction-specific disciplines can work in close collaboration here. Your projects gain dynamism, because bundled competence on our side results in time gained for your project.

**NEXT TO YOUR SITE**

At the most important locations of the German process industry, we ensure short paths. Sites in Hamburg, Gelsenkirchen and the Rhine-Neckar region are a building block for this, and offices in the direct plant environment add to this concept. We design our proximity to your project as flexibly as is sensible for you in order to set the best possible processes in motion – long before your plant commences production.
OUR SITES AND TECHNICAL OFFICES

Like any printed map, the one opposite does not do justice to the dynamics of our business. You can find current sites and offices here:

www.plant-ing.de/de/standorte