

INFRASTRUCTURE



INNOVATION

ENGINEERING

OPTIMIZATION

Infrastructure one stop shop

Our service ...

is to offer conceptual design, engineering, construction and commissioning of single infrastructure facilities up to total site infrastructure from one single source

We provide expert services for the design, construction and operation of:

- supply systems for all common utilities such as steam, refrigeration, (extinguishing) water, technical gases etc.;
- power generation and distribution plants, grids and switching stations;
- disposal systems for wastewater, waste air and solid/liquid waste;
- roads, pipe bridges and sewer systems;
- central service buildings (e.g., administration, social facilities, canteen, gatehouses etc.)
- site logistics and traffic concepts.



Among the numerous services we provide wholistic site services like:

- drafting of long-term site concepts using the site master planning;
- consultancy services for site acquisition, land development and site management;
- clarifying external logistic and energy supply incl. technical contracting support



... is your gain.

You have the convenience of procuring all necessary services from a single source. This minimizes interface coordination and frees you to concentrate your resources entirely on your production process.

We ensure the reliable implementation of long-term investments by drawing up binding master plans. You are assured a powerful, future-proof and high-availability infrastructure tailored to your needs.



Bayer Technology Services
Powering Your Performance

Our objective evaluation of the necessary make-or-buy decisions to optimize future production with respect to costs provides you with a reliable basis for decisions.

You will benefit from the efficient bundling of all relevant specialist capabilities for the implementation of complex infrastructure and from our experience as operator of own facilities of the same kind.



Our approach

The foundation of our success is our expertise across the entire range of infrastructure services – from site concept and land development to the commissioning of supply and disposal facilities.

What makes our services special?

- We carry out strategic long-term assessments to gauge the development of the region, establish the availability of energy resources and evaluate energy costs to optimize the infrastructure with respect to economy.
- We take alternative concepts and operating modes into consideration, deploying them, if appropriate, with the agreement of the customer.
- We attach particular importance to direct and comprehensive communication and expert reporting ...

Our capabilities in this field are based on the qualifications and experience of our employees, as well as:

- a continuous exchange of information with operators of the Bayer chemical facilities around the world;
- the evaluation of other industrial facilities against a variety of benchmarks;
- the successful completion of a large number of technically-demanding projects in our competence centers and the sharing of experience with these projects.

References

- Establishment and expansion of the Bitterfeld site, land development, social facilities buildings and power supply
- Establishment of sites in Caojing, Shanghai, China infrastructure for investments totaling approx. \$ 3 billion
- integration into the Chemical Park
- Infrastructure development in Map Ta Phut, Thailand. Integration of new investments in large plants at an existing site
- Infrastructure project on Jurong Island, Singapore
Concept development
- Infrastructure projects in the Chemical Parks/Lower Rhine sites of Bayer AG
- Integration of production plants into the existing power supply and disposal systems
- Construction of decentralized infrastructure and utilities