

CONSULTING PROCESS ANALYTICS



INNOVATION

ENGINEERING

OPTIMIZATION

Good advice from the specialist

Your profit

Benefit from our know-how in the field of process analytics. Our specialists recommend the optimal technical equipment for your production unit. We help you to consider all important aspects of process analytics in preparation for an investment project. We develop concepts and recommendations regarding:

- relevance and benefits;
- measurement precision and availability;
- costs for maintenance throughout the life cycle;
- radiation and laser protection requirements.

Our service

Our specialists in process analytics at Bayer Technology Services support more than 10,000 analyzer systems worldwide. Drawing on our many years of experience, we provide expert, comprehensive advice in the field of process analytics.

We help you develop viable concepts for:

- optimizing your existing analyzer equipment and the associated maintenance;
- the successful implementation of process analyzer systems in investment projects;
- enabling the use of innovative spectroscopic or chromatographic analyzer systems for close loop process management in your plant.

Our spectrum of services emphasizes the development of concepts for process analytics for:

- monitoring plant wastewater and emissions;
- monitoring toxic and explosive gases in production units;
- designing process analytics to satisfy stringent quality and/or safety requirements such as SIL;
- improved, preferably close loop process management by means of process analytics;
- reducing or eliminating laboratory analyses by means of process analytics.



Online NIR measuring point on a distillation column



Bayer Technology Services
Powering Your Performance

Our approach

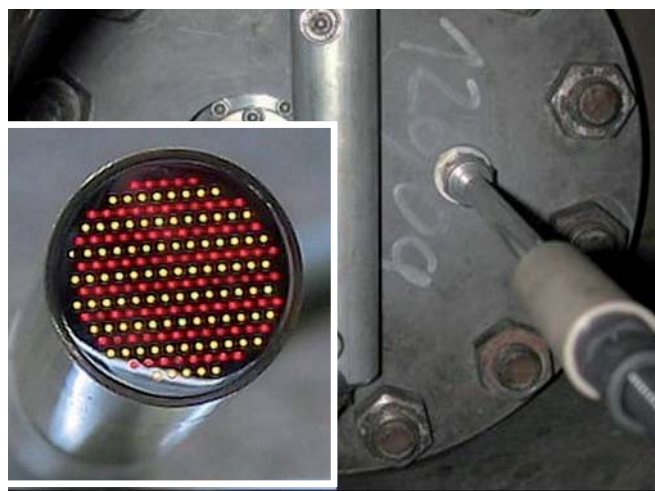
- We are a highly qualified and motivated team with more than 150 employees worldwide.
- We have 30 years of experience in the field of process analytics. We have been working with many methods since they were first introduced into the market.
- We support more than 10,000 process analyzer systems worldwide.
- The experience gleaned from our maintenance work flows directly into our planning of new projects.
- Our applications specialists develop solutions tailored to your specific requirements.
- We provide consultancy free from bias for a particular manufacturer. Thanks to our global network of professionals, we are familiar with the relevant local markets and the appropriate suppliers of process analytics in these markets.
- We cooperate closely with process engineers, process control engineers and process modelers.
- Our specialists constantly review the latest process analyzer techniques in order to make them applicable in your production units.



Variety by design: Our consultancy expertise covers the entire spectrum of process analytics

Because of the large variety of methods, consultancy in the field of process analytics requires a high level of technical expertise and operational experience. In addition to a solid education and training as physicists, chemists or engineers, our specialists also have many years of – in many cases international and interdisciplinary – experience in the field of process analytics.

If required, we can also perform the feasibility studies needed in preliminary stages of an investment project in our state-of-the-art laboratories. We are well equipped for numerous analytical methods, including chromatography, spectroscopy, radiometry and wet chemistry.



Special probes are used to solve complex measurement problems

References

We consult and develop concepts for our customers inside and outside of chemical sites worldwide. Our customers operate production facilities for

- pharmaceuticals
- crop protection
- rubber and other polymers
- petro chemicals
- pigments
- fibers
- base and fine chemicals
- power plants
- material supply and waste water treatment