

Process Analytical Solutions



Customized Solutions – Based on Spectroscopy

You Have the Process...

Solvias delivers comprehensive process analytical solutions for continuous monitoring of your chemical production and formulation processes.

we support you...

Based on spectroscopic techniques, such as UV-VIS, NIR, MIR, Raman and fluorescence, our process analytical solutions yield reliable qualitative and quantitative results for gaseous, liquid and solid multi-component mixtures.

...with the best...

Process analytical technology (PAT) generates valuable process data to ensure optimal process control, comprehensive environmental protection and maximum safety in your production units.

Solvias offers a broad range of products and services to save time and money in your pilot and manufacturing plant and to improve the quality of your products. Traditional laboratory analytics are slow and often hampered by sampling difficulties caused by factors such as high pressure, high temperature and reactive media. Solvias process analytics eliminate these problems by providing real-time analytical results without sampling, thus enabling continuous process control. This approach is the foundation for increased process understanding, throughput and yield.

...analytical solutions.

Our process analytical solutions are built on decades of experience developing analytical products and services for the chemical and pharmaceutical industries. Solvias is not affiliated with any process analyzer manufacturer.

The Benefits of Spectroscopic Process Analytics

- Real-time process monitoring
- No sample preparation
- Nondestructive
- Noninvasive
- Applicable to gases, liquids and solids
- On-, at- and off-line applications
- Established technology

Integrated Solutions for

Pharmaceuticals

Petrochemicals

Chemicals

Biotechnologies

Plastics



Solvias – your partner for customized process analytical solutions

Solvias PAT Applications Using Inline Spectroscopy



Applied Technologies

- Spectroscopic methods based on light transmission, scattering and attenuated total reflection, covering the entire spectral range from the mid-IR to the near-UV (UV-VIS, NIR, MIR, Raman and fluorescence spectroscopy)
- Fiberoptic setups compliant with your Ex-zone requirements
- Fully automated data evaluation based on sophisticated chemometric tools
- Integration of process analytics into your process control system

Key Features of Solvias Process Analytics

- Solvias process analytics include guaranteed delivery, price, and performance
- Solvias process analytics combine the strengths of broad application expertise and spectrometer manufacturer independence
- Solvias process analytical solutions are built on decades of experience developing analytical products and services for the chemical and pharmaceutical industries
- Solvias is an ISO-9001-certified company and performs all projects according to your quality standards

Solvias Process Analytics

allow you to continuously monitor your production processes

Our Services and Support

We provide service packages tailored to your needs

Single-Source Process Analytical Solutions

- Project management
- Consulting
- Concept development
- Feasibility studies / method evaluation
- Technical implementation / system integration
- Qualification / validation
- User training
- Service and maintenance

Through the implementation of process analytical technology (PAT), our customers are able to optimize processes and determine critical decision points. This leads to reduced production costs, increased product quality, and a marked improvement in employee and environmental safety.



Solvias AG
P.O. Box
4002 Basel
Switzerland

Tel. +41 61 686 61 61
Fax +41 61 686 65 65
info@solvias.com
www.solvias.com