

System Integration

Mechatest Sampling Solutions is an independent system integrator.

We are a specialist and reputable manufacturer of analyser systems for the petro-chemical, water treatment and power station market. Our systems are designed towards our client's specific wishes and requirements, we offer analyser-, sample conditioning- and recovery systems for gas and liquid process samples.

Mechatest Sampling Systems is a total supplier and takes care of the whole process: from advise, purchasing and engineering to assembly of the hole system, on-site support and start-up assistance.

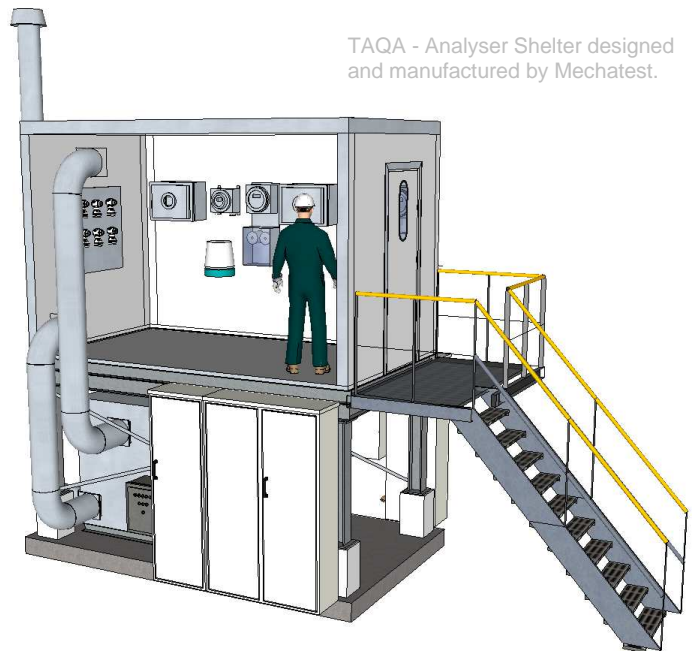
Our highly skilled design and engineering personnel can provide all sorts of tailor-made solutions to suit our client's needs.

Based on our actual, extensive and long term knowledge, experience and application know-how, we can offer:

- Guaranties on high availability, sample integrity and repeatability of the systems
- Best possible and commercial design of your industrial sampling systems
- Reliable design for process analysers
- Low costs of ownership
- Calculations for Lagtime, Probe Resonance, Joule Thomson, Critical Orifice, Pipe Flow and Pressure Drop, Climat Control etc.



All the systems are designed and manufactured by Mechatest B.V. at the workshop in Nootdorp The Netherlands. ISO 9001 certified.



TAQA - Analyser Shelter designed and manufactured by Mechatest.

Typical Solutions

- **Analyzing Systems**
 The main purpose of process on-line analysers is a reliable measurement of the specified process variables, in order to improve the efficiency of the plant performance. Mechatest is specialist in fiscal measurement of Natural Gas. We have comprehensive in-house expertise in combination measurements of GC, H2S, HC and H2O dewpoint analysers but we can offer solutions for all kind of applications.
- **Analyser Shelters**
 Total analyser system integration in walk-in shelters for on-line analyser systems with HVAC conditioned units or "free ventilated".
- **CEMS Integration**
 Continuous Emission Monitoring Systems (CEMS), are analyser systems for flue gas stack emission measurements to ensure compliance with state and federal emission regulations.
- **Sample Conditioning Systems**
 The key to any successful analytical installation is the design of the sample transport and conditioning system. Mechatest is qualified to optimise your installation with proven designs for probes, fast-loop systems, sample conditioning systems and sample recovery systems.

