

Life Cycle Service Management

Remote Services

Live support for your site technicians to perform (pre)-commissioning, start-up and/or maintenance activities using online communication tools



360[®]
KAS

The 360°KAS Life Cycle Service Management program covers all the services necessary to maintain and operate your systems safe and accurate from initial start-up till controlled end of life cycle.

As part of the this program the following services can now be offered as remote support from our office in The Netherlands:

- Supervision of Site Construction;
- (Pre-) Commissioning & Start up;
- Site Acceptance Test (SAT);
- Training.

Remote support offers site personnel the possibility to interact with a 360°KAS professional when performing longer and more complex jobs such as commissioning.

With the use of smart wearables, tele-conferencing and remote software applications, our specialist can provide a step by step guidance to the technician in the field. If the client IT protocol allows, we can remotely access the control system over the Internet to monitor, configure and reprogram the system if required.

Remote services can be offered for both general purpose as classified hazardous (Ex Zone 1) areas for our full product portfolio: Pilot Plants, LNG Sampling Systems and Analyser & Sampling Systems.

If you have qualified personnel available on site, that speaks and understands English, the advantages of remote services are the:

- Increased flexibility to line up an experienced service engineer on short notice;
- Reduced costs due to the elimination traveling and idle time.

Services are executed by our professional team of experienced service engineers. We work according to international standards such as NEN1010 and NEN3140 and are ISO9001:2015 and SCC** certified.

Please contact our dedicated Customer Service department to evaluate the possibilities for your site location and systems.

Supervision of Site Construction

We offer the supervision of electrical and mechanical construction and system integration activities at site: where we advise your site construction team. We guarantee quick and full site readiness in order to proceed to a quick and smooth commissioning and start-up phase.

(Pre-) Commissioning & Start up

During (pre-) commissioning the system is functionally tested to verify the system performance is according to the design objectives and project specifications. This is a very critical phase and should be carried out thoroughly before the initial start-up of the system.

After commissioning our engineer will fine tune all the settings of the instruments and loops to match the process conditions. In this way we achieve the highest possible accuracy and reliability of the measuring devices.

Site Acceptance Test (SAT)

During the Site Acceptance Test we prove that the system operates according the design objectives and project specifications. We always follow a system specific SAT Plan and procedure which is established in close cooperation with the asset holder.

Training

It is of the essence that your operators and maintenance teams are sufficiently trained to create optimal value from your assets. A well trained maintenance team is able to keep your system in perfect condition, resulting in a lower cost of ownership. 360°KAS offers both online and classroom training sessions, software and hardware oriented.

We offer our remote services for site activities in combination with a communication kit necessary to effectively and efficiently execute the job. The required tools can either be purchased or leased via 360°KAS. See Service Sheet for more info, also on rates and applicable Terms & Conditions.



Typical remote commissioning session in execution



360°KAS serves the global Oil & Gas, Petrochemical and LNG market with high-end analyzing, sampling and pilot testing solutions. We take care of the whole process from basic and detailed design, through procurement and assembly to final system integration on site.

We believe trust is the most valuable asset in any relationship. You should be able to rely on our systems; 360°KAS is driven to be the quality leader in our field of expertise. Our solutions are more than accurate. They are durable, reliable and keep going. That's what we call Engineering Trust. Our portfolio encompasses:

- **Analyzer & Sampling Systems**
From sample take-off, sample preparation, sample storage up to actual analyser measurement we are able to provide you with a fit for purpose and trustworthy solution.
- **Pilot Plants**
R&D Test Units for continuous, semi-continuous and batch, dedicated and multi-purpose, fixed/fluidized bed, liquid, gas and multi-phase reactor applications.
- **LNG Sampling Systems**
Serving the Liquid Natural Gas (LNG) value chain with a variety of smart solutions to sample LNG from the main transfer line.
- **Spares, Service & Maintenance**
All services necessary to maintain and operate your systems safely and accurate from initial start-up till controlled end of life cycle.
- **Instrument Sales**
Our portfolio of distributed products.



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