



# ODS SERVICES & CALIBRATIONS

Asset life cycle services for  
metering systems

**ODS Metering Systems**

klöckner & co



# WE ARE ODS METERING SYSTEMS

As you might know ODS Metering Systems is a manufacturer of custody transfer flow measurement systems for oil and gas applications. Did you know ODS has a longer history in service activities related to flow measurement? For over 70 years ODS is an independent service provider for activities like flow meter repair and calibrations.

Based on our years of experience, well trained staff, application knowledge, lab and field calibration facilities and worldwide service capabilities, we strive to be your selected partner for all your service and maintenance challenges related to custody transfer flow measurement.

We are your long-term partner to maintain a traceable low uncertainty at minimum operational expenses during the lifetime of your systems.

You can count on our team to be available, responsive and ready to support you!

*Erwin Hogendoorn*  
CEO



# WHAT SETS US APART

-  One-stop-shop solutions provider
-  Authorised & independent service provider
-  World-wide service possibilities
-  Over 70 years service experience
-  Highly qualified and experienced personnel
-  24/7 maintenance support
-  On-site and laboratory calibration services
-  Flow meter repair for all brands

# OUR METERING SERVICES



**METERING PROJECT SERVICES**  
page 6



**METERING PERFORMANCE SERVICES**  
page 10



**METERING LIFECYCLE SERVICES**  
page 8



**METERING CONSULTING SERVICES**  
page 12





# METERING PROJECT SERVICES

## Start-up and commissioning

ODS provides start-up and commissioning services for flow measurement related products and complete metering systems on a global base. Our engineers have the experience and tools to support you during unloading, installation, start-up and commissioning of the systems.

All start-up and commissioning activities will be performed in line with detailed procedures. ODS can also assist you during on site acceptance tests and other activities.

## Spare parts management

ODS has the know-how and capability to take-over the responsibility of your spare parts management of your custody transfer instruments and/or systems. ODS is able to indicate and provide all spare parts (critical parts) in order to obtain the required system availability. ODS ensures availability of components, consumables and tools in connection with the maintenance services that are performed on site. ODS can manage your spare parts to guarantee the continuity of your business.

### ODS spare parts management includes, but is not limited to the following activities:

- ⌚ Making an annual inventory of the two year operational spare parts
- ⌚ Procurement of spare parts
- ⌚ Allocate spare parts
- ⌚ Stock keeping
- ⌚ Recommend new spares
- ⌚ Up-to-date documentation of all available spare parts



# METERING LIFECYCLE SERVICES

## Preventive maintenance

In order to maintain an operational system in optimal condition, so called 'periodic maintenance' is required. ODS offers preventive maintenance for complete flow metering systems and loose components.

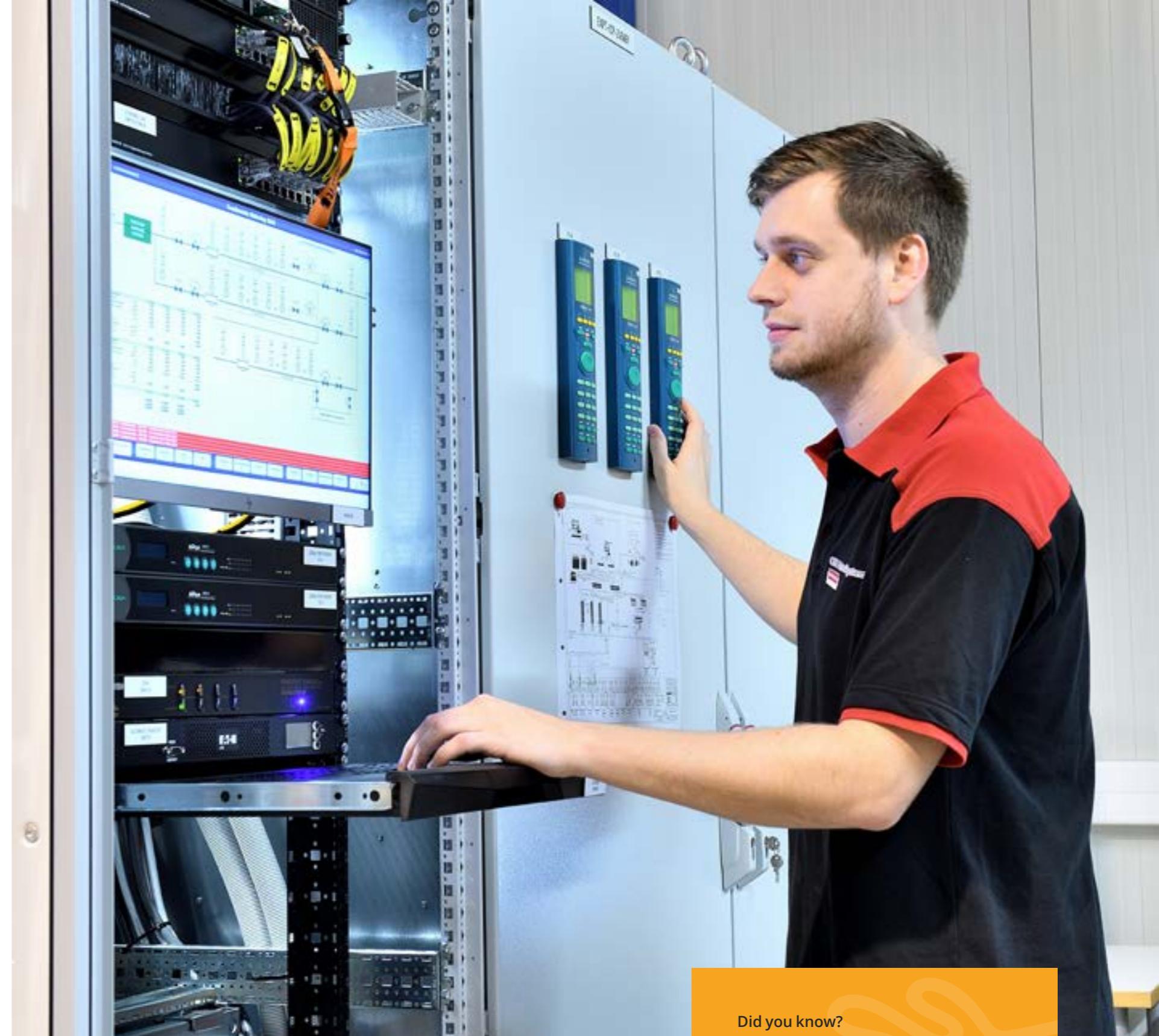
Typically preventive maintenance tasks are scheduled as per a maintenance plan that will be developed by ODS. Periodic preventative maintenance activities will be performed by ODS in accordance with specific procedures. ODS can carry out detailed diagnostics checks and/or tests, troubleshooting activities and any required system status analysis.

## Call out service & trouble shooting

ODS has a service and maintenance support department which provides helpdesk support services during normal working hours. 24/7 emergency helpdesk services can be made available upon specific request. ODS Metering Systems also offers on-line remote technical support or diagnostics capabilities. Customized software can be delivered to check and operate your system from a remote location.

## Flow meter repair

Since 1950 we provide flow meter repair services. Thanks to our extensive and hands-on experience, we are capable of repairing a wide range of flow meter types, such as positive displacement (PD) meters, ultrasonic meters, turbine meters, Coriolis meters, vortex meters etc.



### Did you know?

Your fiscal metering system is the cash register of your organisation.



# METERING PERFORMANCE SERVICES

## Calibrations

ODS owns and operates both stationary and mobile calibration facilities certified by NMI (Dutch Institute for Measurement and Weights). Calibrations of provers are done with our own waterdraw apparatus, master meter and/or gravimetric calibration equipment.

## Portable flow calibration/verification on site

ODS offers flow calibration/verification on your site. Our solutions vary from calibrations with a master meter (for example calibration of bunker-ship installations) to the use of a small volume compact prover. Our dedicated team of calibration experts will visit your site and perform the calibration or verification. Based on your application we can advise on the optimum feasible system accuracy.

## Prover calibrations

ODS can perform calibration of your bi-directional or compact piston provers on your site, based on the waterdraw or master meter method. We have inhouse calibration equipment which we can ship worldwide together with our trained engineers.

## Maintenance & calibration contracts

ODS has years of experience with the performance of (long term) maintenance and calibration contracts. With a maintenance or calibration contract we guarantee availability of our equipment and service engineers, in accordance with agreed terms and conditions.

## Water injection test for sampling systems

ODS can verify the performance of your (automatic) sampling system based on the water injection methods as described in API or ISO guidelines. We have portable verification equipment that we can use globally.

## Metering Operations & Management System (MOMS)

We developed our own software, called MOMS, to secure the performance and availability of your metering system.



# CONSULTING SERVICES

ODS is pleased to share our years of flow metering experience with other companies. For this reason we have our own team that offers metering consultancy services. Our engineers can support you in ensuring the optimal availability, accuracy and compliance of your flow metering system.

We can provide consulting services in:

- ⌚ Developing specifications
- ⌚ Performing equipment selection
- ⌚ Assistance with regulatory compliance
- ⌚ Design review
- ⌚ System evaluation
- ⌚ Field inspection
- ⌚ Verification and calibration witness services
- ⌚ Training

ODS also offers evaluation and feasibility studies to investigate the project's potential for successes from basic design up to detailed engineering. ODS offers consultancy services for scope changes or system upgrades. On customer requests, ODS can investigate the need for change, review the plan, evaluate the impact, and professionally advise until the plan is approved.

Software and operation systems can become obsolete and lose their support. ODS advises timely on HMI upgrades, new computers and application software in order to avoid a computer crash or loss of configuration. Our independent and reliable third party inspection service is available for site inspections and witnessing meter re-calibrations. This assures that the products and services ordered meet end user requirements.

Our independency guarantees an objective analysis of available metering technologies, without manufacturer-driven selection of components. Therefore, we can offer the best techno-commercial solution for every project.



# LET'S TALK!

Contact your local office now



#### THE NETHERLANDS

ODS Metering Systems B.V.  
📞 +31 180 715 400

#### SINGAPORE

ODS Asia Pacific Pte Ltd  
📞 +65 972 027 99

#### SAUDI ARABIA

ODS Saudi Company  
📞 +966 13 832 6957

#### DUBAI

ODS Middle East FZE  
📞 +97 156 660 5010

#### BRAZIL

ODS do Brasil Sistemas  
de Medição LTDA  
📞 +55 19 328 300 02

#### BELGIUM

ODS Belgium B.V.  
📞 +32 3 600 21 00



FOLLOW US ON LINKEDIN!



[www.ods-metering-systems.com](http://www.ods-metering-systems.com)