NIVUS - best of flow

NIVUS - Instrumentation for Water Industry

best of flow

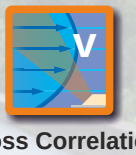
The best from all areas of instrumentation for the water industry: the best measurement methods, the best know-how and a brand-new generation of devices! All the most important measurement principles consolidated, you can find this only at NIVUS!

We are a woldwide leading developer, manufacturer and supplier of measurement systems. Our product range comprises metering devices for flow, level and water quality as well as telecontrol systems. Data transmission via GPRS and the D2W Internet portal make data evaluation even more reliable and convenient. Moreover we carry out demanding urban drainage measurement projects.

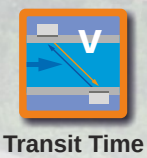
The suitable solution for each application. Tried and tested measurement systems to perfectly fit your needs. Measurement systems which measure right what they should, reliably and accurately – even under difficult conditions. This is our claim!

Wide Range of Measurement Systems

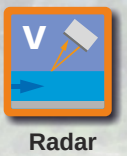
We provide the suitable method for each application and each medium



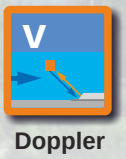
Cross Correlation



Transit Time



Radar



Doppler

Variety of Sensors

Suitable for each application - we offer the widest range of sensors in various designs.

Measurement Systems and System Control

We provide the entire portfolio from easy-to-operate transmitters with integrated numeric models through complete process control systems.

Competent Advice

Our experts are able to draw on many years of experience of measuring in the water and wastewater area. This allows to develop the best possible solutions for your applications.

Your Benefits

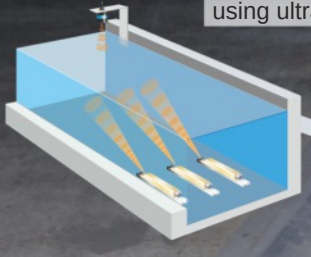
- Accurate and reliable measurement results
- Perfectly dimensioned measurement systems
- Saves costs thanks to quick and easy installation and commissioning procedures
- Low personnel expenses through integrated systems
- One competent contact person for all components

best of flow - for each Application

Whether sludge or water, part filled or full; small pipe or large channel - at NIVUS you will find always the appropriate measurement system for flow measurement.

Part filled and full channels

using ultrasonic cross correlation

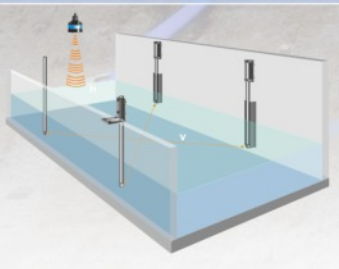


Part filled and full channels

using surface radar

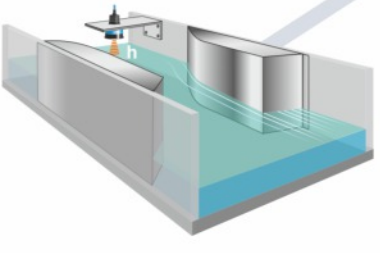
Irrigation/drainage channels, rivers and cooling water

using ultrasonic transit time



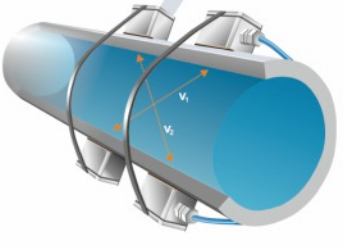
Venturi

using ultrasonic level measurement



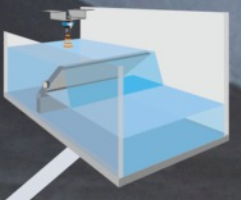
Full pipelines

using clamp-on transit time



Weir flaps

using inclinometer and hydraulic calculator



Full pipelines

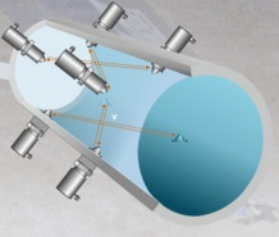
using ultrasonic cross correlation

the affordable
alternative to EMFs

nivus®

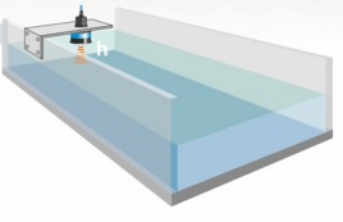
Full pipelines

using ultrasonic transit time



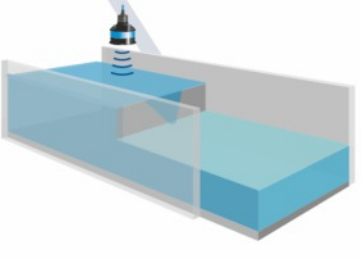
Gravity lines

using ultrasonic level measurement



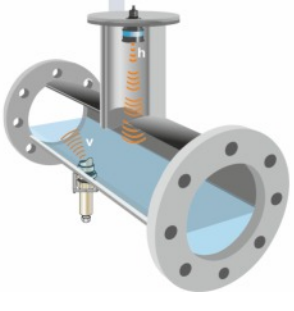
Measuring weirs

using ultrasonic level measurement



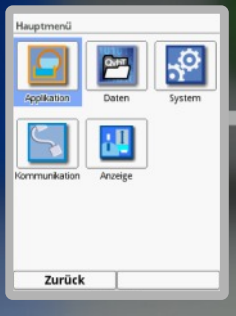
Part filled and full pipes

using ultrasonic Doppler

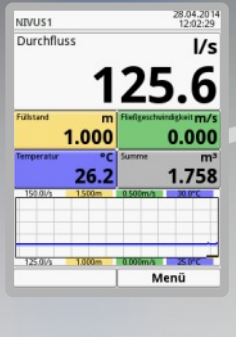


best of flow - NivuFlow

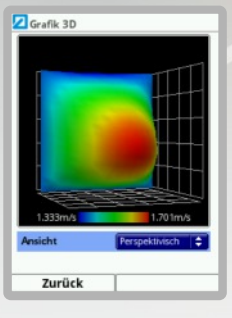
- Compact and powerful transmitter in various designs
- Integrated numeric flow models
- Various measurement methods can be combined
- Universal interfaces for easy connection
- Quick wiring thanks to easily accessible connection points



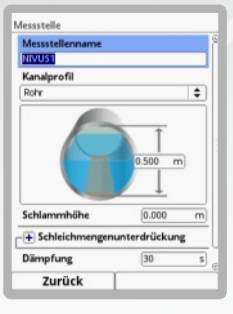
Screen display menu



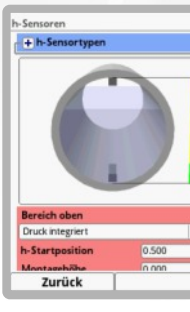
Screen display main screen



Screen display 3-D flow profile



Screen display measuring place

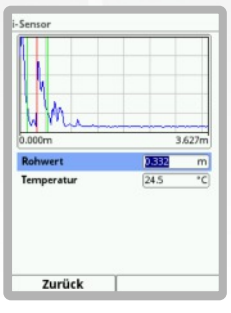


- Quick and easy installation and commissioning procedures
- No additional input devices and software required
- Intuitive clear text menus in dialog mode
- Comprehensive diagnostic functions for commissioning and maintenance

One for All

Universal transmitters with intuitive operating concept

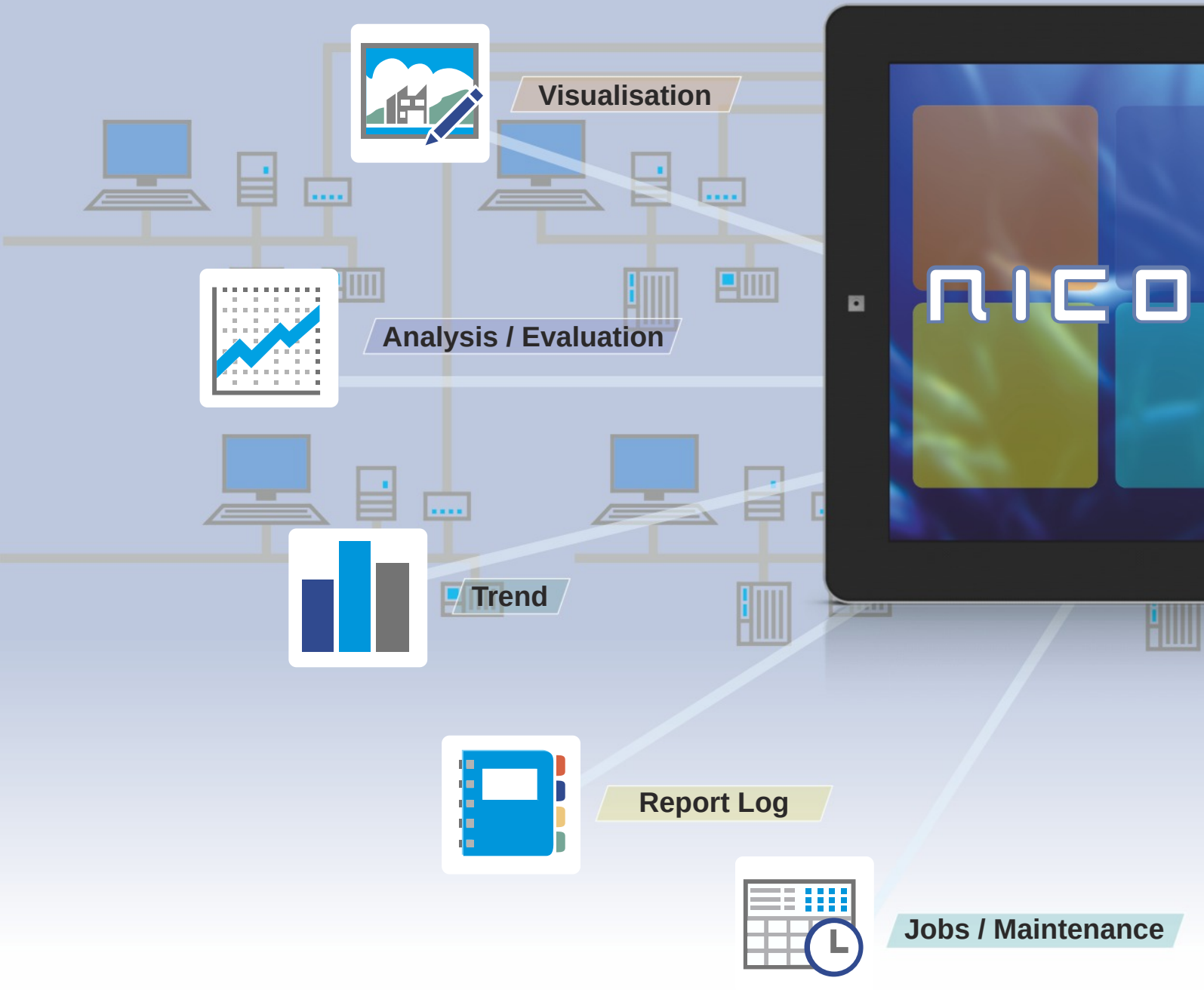
The consequent further development of our proven transmitter family



Screen display sensor

NICOS 2.0 - Process Control- and Telecontrol Software

The NIVUS telecontrol and software system NICOS 2.0 provides tailored solutions for the water industry.
The "NICOS Studio" engineering tool allows to comfortably adjust the representation - without programming skills.

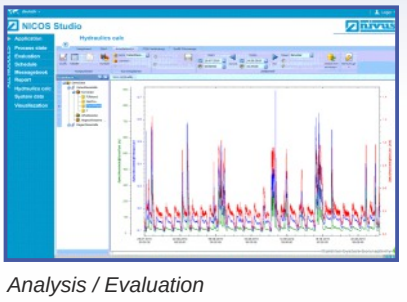


Your Benefits

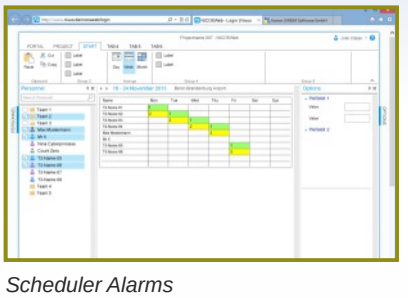
- Comprehensive advice from the measurement place through logging based on local laws and regulations
- Scalable solutions, tailored to your requirements and applications
- Economical migration thanks to flexible adaptation options
- Optimised for mobile devices - data access if required
- Individualisation through NICOS-Studio without programming skills
- Easy integration of existing structures since all common PLC and telecontrol protocols are available

Scheduler Alarms

Visualisation



Analysis / Evaluation



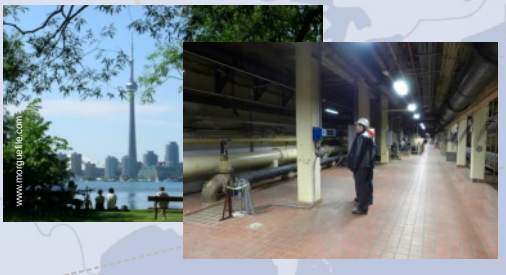
Scheduler Alarms

best of flow - all over the world

Numerous reliable measurement places all over the world use the well-engineered NIVUS products utilising the many years of experience in everyday operation.

Canada

Toronto, Canada



Mexico

London, England

Ireland

Great Britain

Netherlands

Belgium

France

Switzerland

Spain

Norway

Denmark

Italy

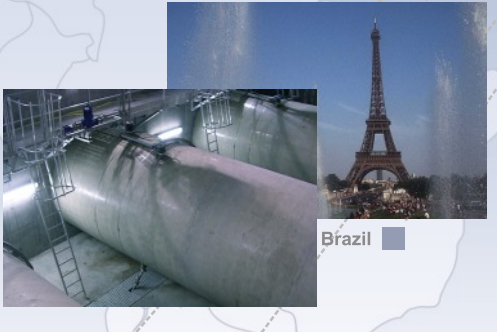
Austria

Trento, Italy

Colombia

Bogota, Colombia

Paris, France

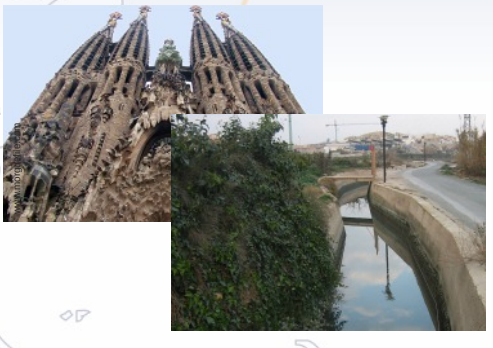


Brazil

Chile

Argentina

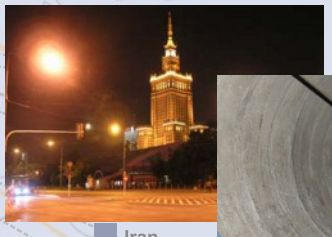
Barcelona, Spain

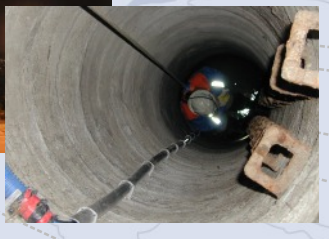


best of flow

Copenhagen, Denmark

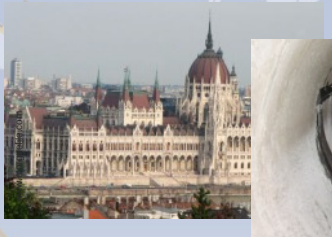
Warsaw, Poland

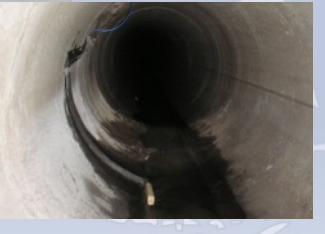


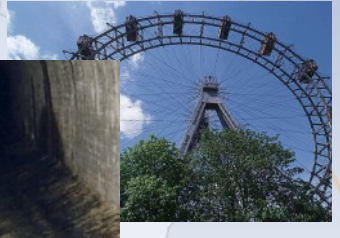


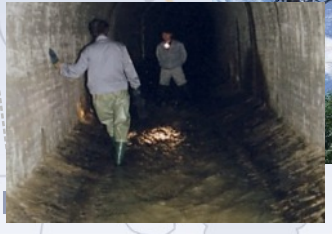
Shanghai, China

Budapest, Hungary

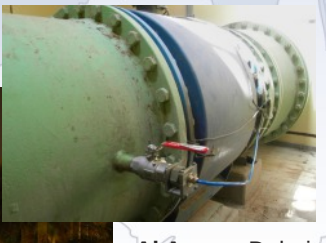






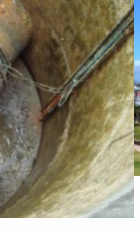


Vienna, Austria

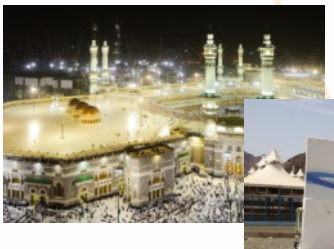


Al Aweer, Dubai

Port Elizabeth, South Africa



Mekka, Saudi Arabia



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Specifications subject to change. 05/2014 - 1000 - FA