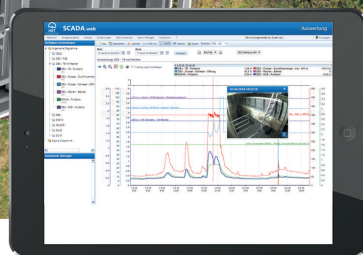




**HST**  
SYSTEMTECHNIK

# NEWS 2018

**We network.  
With HST for digitalising  
municipal infrastructures.**

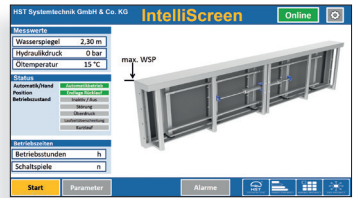
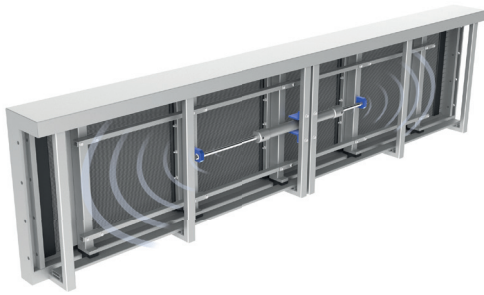


**Future-proof equipping of premises and operations  
with HST Machines & Equipment and IT & Automation.**

**next level technology**



HST is member of KOMMUNAL 4.0 e.V.



## HSR-Screen with IntelliScreen and IoT connection – More water protection and backwash

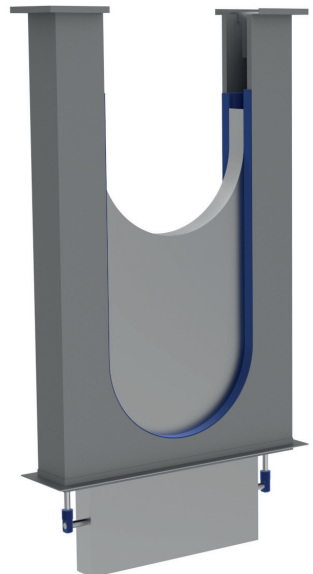
Control the HSR-Screen with variable combing speeds with IntelliScreen, thus improving water protection. Information from the SCADA.web and KANiO® portals enables screen monitoring and thus increases operational safety. At the highest level, data from the precipitation portal NiRA.web® is included in the control process.

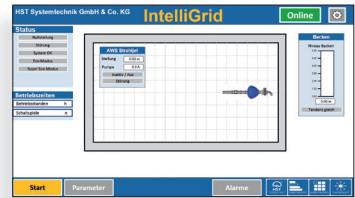
More at: [hst.de/e/HSR-Screen](https://hst.de/e/HSR-Screen)

## ASA-Weir – Automatic damming, flushing and relieving

The ASA-Weir provides exact water level and/or dam control and flushing of channels. Automation and IT enables cascade control and autonomous network management. Flushing waves for channel cleaning are generated in the flushing mode. ASA-Weirs are intrinsically safe and release the entire pipe cross-section.

More at: [hst.de/e/ASA-Weir](https://hst.de/e/ASA-Weir)





## AWS-Jet Cleaner with IntelliGrid and IoT connectivity – Autonomous basin cleaning and ventilation

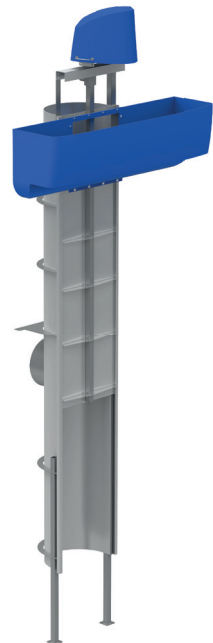
The AWS-Jet Cleaner is an automatic flow generator for the energy-optimised cleaning of rain basins and other storage spaces. IntelliGrid detects and acquires deposits. This enables cleaning according to demand and condition. At the highest level, data from the precipitation portal NiRA.web® is included in the control process.

More at: [hst.de/e/AWS-Jet-Cleaner](https://hst.de/e/AWS-Jet-Cleaner)

## HydroKlar-SLIDE clean water discharge – Optimally using SBR treatment plants

HydroKlar-SLIDE clean water dischargers are versatile for both water supply and waste-water treatment plants. A special extraction device allows the extraction of large quantities of water by means of a piano key weir also in small and compact constructions. The flow rates can be flexibly set according to processes.

More at: [hst.de/e/HydroKlar-SLIDE](https://hst.de/e/HydroKlar-SLIDE)

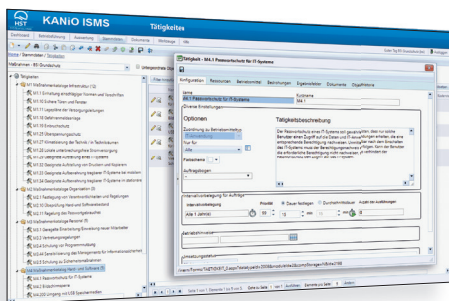




## KANiO® operations management software – Overview, organisation and regulation in operations

Get transparency and order using KANiO® operations management software, optimise processes, get legally compliant documentation and know at any time what's in operation. Thanks to the KANiO® Dashboard, everything important remains in view. Connections to machine technology, GIS, process control and vehicle technology enable strong system integration.

More at: [hst.de/e/KANiO](https://hst.de/e/KANiO)

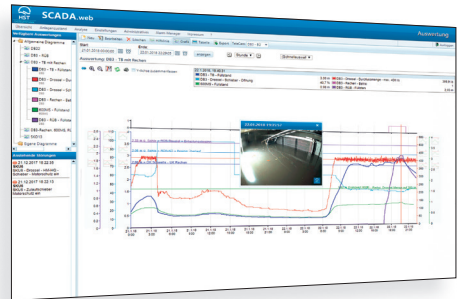
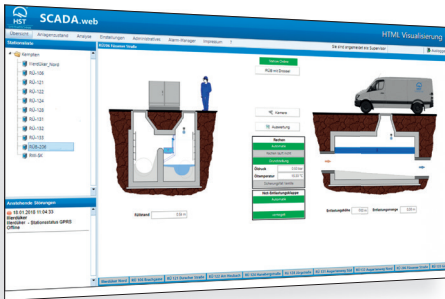


## KANiO® ISMS-Tool – Implementing IT security management

The KANiO® ISMS tool is the industry solution for IT security management in the water industry and enables tailor-made implementation of IT security concepts based on the current „Grundschutz“ safeguards from the German Federal Office for Information Security (BSI) as well as the industry standard DWA/DVGW 1060. In addition to the development of the security management system, HST supports organisational and risk analysis and is available for internal and external security audits.

More at: [hst.de/e/IT-Security](https://hst.de/e/IT-Security)

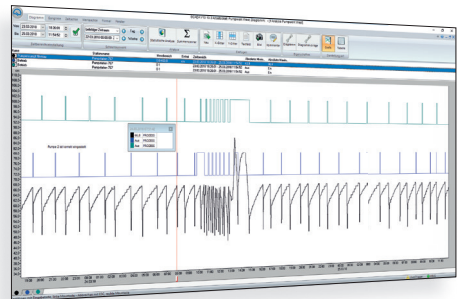
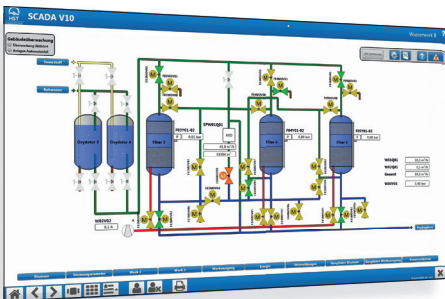




## SCADA.web process data portal – Monitoring and operating distributed systems and networks

SCADA.web can be operated from any location via a web browser at any time. The SCADA system offers visualisation, graphical analysis, reporting and an archive system according to the HST delta event standard. Integrating TeleCam video systems enables the instant display of hydrographs and video images. Thanks to its operation in a German certified data centre, SCADA.web offers maximum IT security.

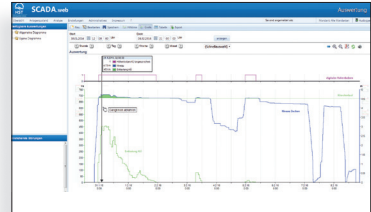
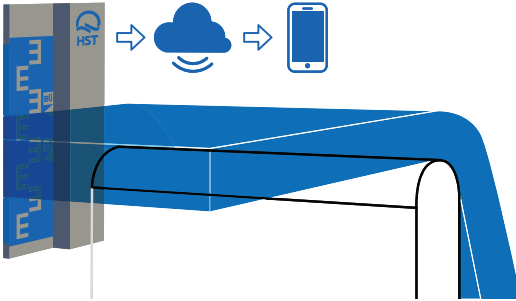
More at: [hst.de/e/SCADAweb](http://hst.de/e/SCADAweb)



## SCADA V10 – Plant control with IoT process variables

The SCADA V10 control system offers all the components of a complete SCADA system from a single source. This makes SCADA V10 the „Office“ for water management with integrated configuration, uniform user interface and user guidance as well as a complete object library. Thanks to the HST delta event procedure, the software archives highly efficiently. The flexible reporting system based on Microsoft Excel is intuitive to use. IoT process variables can be used directly from the cloud to process and use additional process data such as precipitation data and water levels.

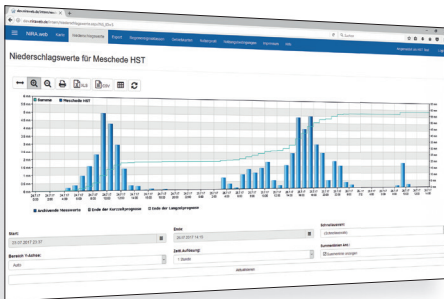
More at: [hst.de/e/SCADA](http://hst.de/e/SCADA)



## **SensoMatic-EMA – Legally compliant measurement of overflow events**

With SensoMatic-EMA, even the smallest of accumulation and overflow events can be precisely measured and logged. High measuring accuracy is always available due to an automatic calibration function. The measurement data evaluation is based on original raw data. This gives transparency, traceability and accurate details. Thus, legal requirements and regulations are met, active water protection guaranteed and legal certainty achieved.

More at: [hst.de/e/SensoMatic-EMA](https://hst.de/e/SensoMatic-EMA)



## **NiRA.web® precipitation portal – IoT precipitation data for controlling machines and processes**

The precipitation portal NiRA.web® provides historical, current and forecast precipitation data regardless of location and installation. NiRA.web® provides high-quality precipitation data at any time without requiring the high-maintenance of a stationary rain gauge. If required, the portal provides historical precipitation data for any period at any position. Thanks to the OPC UA interface, measured data can also be made available online for automation purposes in a targeted way for controlling and regulating processes.

More at: [hst.de/e/NiRAweb](https://hst.de/e/NiRAweb)



**MUNICIPAL 4.0**  
DIGITALIZATION IN INFRASTRUCTURE



## **MUNICIPAL 4.0 – Digitalisation and networking of municipal infrastructures**

**MUNICIPAL 4.0** is considered to be the flagship project of the German Federal Ministry of Economics and Technology (BMWi) for the practical promotion of digitalisation in municipal infrastructures and focussing on water management. The project results are tested in practice by the project partners under the guidance of HST and serve as models for future digitalisation solutions.

More at: [kommunal4null.de](http://kommunal4null.de)

To safeguard project results, the association **KOMMUNAL 4.0 e. V.** was founded. It assists implementation of member issues from municipalities and the economy and establishes the necessary discussion forums. Strategically, it sets goals based on best practice projects and further education courses. **MUNICIPAL 4.0** is involved in the creation of digitalisation guides.

More at: [kommunal4null-ev.de](http://kommunal4null-ev.de)

## **KOMMUNAL 4.0 e. V.**

Actively shape the digital transformation of municipal infrastructure! Become a member of **KOMMUNAL 4.0 e. V.**!

More at: [kommunal4null-ev.de](http://kommunal4null-ev.de)



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K4.0'S FURTHER EDUCATION

# DIGITALISATION SEMINARS BASIC AND EXPERT KNOWLEDGE

## What does digitalisation mean?

**Digitalisation mega trend:** New technologies, changing requirements from the legislator – Municipalities and municipal companies face countless challenges as a result of digitalisation. At the same time, digitalisation offers municipalities opportunities. But what is the definition of digitalisation, what are the implications and what exactly does it change in water management?

**Shaping the digital futur –  
we support your digital transformation**

Professional and practical advanced education courses from **KOMMUNAL 4.0's further education** provide basic and expert knowledge. The courses include practical examples.

Learn more about the courses on offer at [kommunal4null-ev.de/Weiterbildung](http://kommunal4null-ev.de/Weiterbildung)

KOMMUNAL 4.0 e.V. | Heinrichsthaler Straße 8 | 59872 Meschede | GERMANY

Contact: phone +49 291 9929 939 | E-mail [info@kommunal4null-ev.de](mailto:info@kommunal4null-ev.de) | [www.kommunal4null-ev.de](http://www.kommunal4null-ev.de)

## GET A RAIN GAUGE!

**Visit the technology leader in Hall A1, Stand 441  
and get your personal rain gauge.**

If you are unable to come to the IFAT, request your personal rain gauge via our service portal at [hst.de/myhst](http://hst.de/myhst).

You can also use the portal to select the different ways of communicating with HST.

**IFAT**  
14<sup>th</sup> – 18<sup>th</sup> May 2018  
Trade Fair Munich