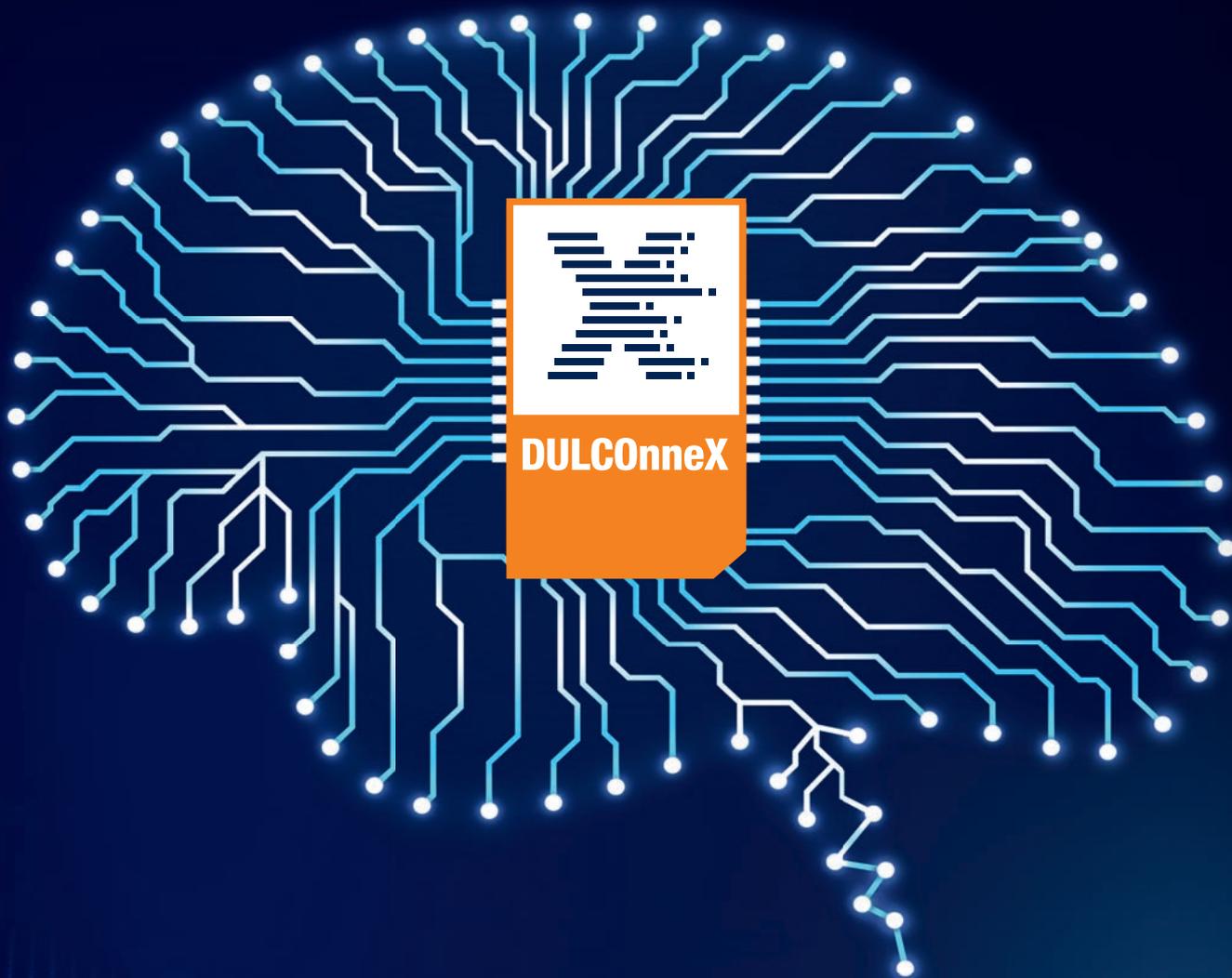


# Make your systems smart.

DULCO<sup>nn</sup>eX for digital fluid management.



**Pro**Minent<sup>®</sup>

# Web-based. Networked. Transparent.

Digital fluid management with DULCOnneX.



DULCOnneX is the smart complete solution for digitally networking your system components with smart IT. As the user, you enjoy real-time access to all information needed to efficiently monitor and control your installed devices and systems regardless of your location.

The DULCOnneX solution is based on robustly networked, adaptive products that adjust automatically to changing operating conditions. Since all the components of a system are networked, metering pumps, disinfection systems, controllers and sensors can interact in an optimised manner - thereby ensuring smooth processes at all times.

## The main advantages at a glance:

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### Complete control - any time and anywhere.

Monitor and control process in real-time from your PC, tablet or smartphone - no matter where you are.

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### High process reliability, high process quality.

Automatic adaptive control and a high degree of transparency of all relevant data enhance the safety and quality of your metering processes.

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### Fewer downtimes, greater productivity.

E-mail alarms are issued in the event of faults or should levels be exceeded to avoid costly metering system outages.

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### Less maintenance required.

Trend observation allows predictive maintenance and needs-based planning of maintenance work.

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### Documentation made easy.

Automated data capture simplifies the generation of reports. Operating data can also be exported as a spreadsheet or as plain text.

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### Provision of evidence.

The operating data allows you to quickly and easily provide evidence that your system is running properly.

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### The easy way to save money.

Data-based system monitoring and adaptive control ensure highly efficient metering and use of less energy and fewer chemicals.

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### The faster way to get (re)started.

After an outage or when new devices are bought, you can configure them with ease using backed-up operating data.



# DULCOnneX from ProMinent.

## The complete solution for the era of digitalisation and networking.

As more and more products are digitalised and networked, the scope for monitoring, controlling and optimising processes is taking on completely new forms. Our solution for digital fluid management is able to record, make available and efficiently use a wide range of information to control processes. With DULCOnneX, ProMinent is using the increasing amount of data generated by sensors and pumps in systems to gain significant added value for system operators.

### Ready for digital networking and control: ProMinent's DULCOnneX products.

ProMinent's DULCOnneX products have all the characteristics needed for digital fluid management and smart control:

- **Network-capable:** The DULCOnneX products communicate at fieldbus level using CANopen, PROFIBUS® and PROFINET or can be connected via the DULCOnneX gateway to our DULCOnneX web-based fluid management platform.
- **User-friendly:** DULCOnneX products are easy to install and start up. Clear, intuitive operation ensures simple parameterisation, calibration and storage.
- **Adaptive:** DULCOnneX products adapt automatically to constantly changing operating conditions.
- **Robust:** The construction of DULCOnneX products ensures a long service life and high availability.



Solenoid-driven metering pump  
gamma/ X or gamma/ XL  
with DULCOnneX gateway



Motor-driven metering pump  
Sigma X



Remote monitoring module  
DULCOnneX gateway for  
connection to the CAN interface



Measuring and control system  
DULCOMETER® dialog DACb



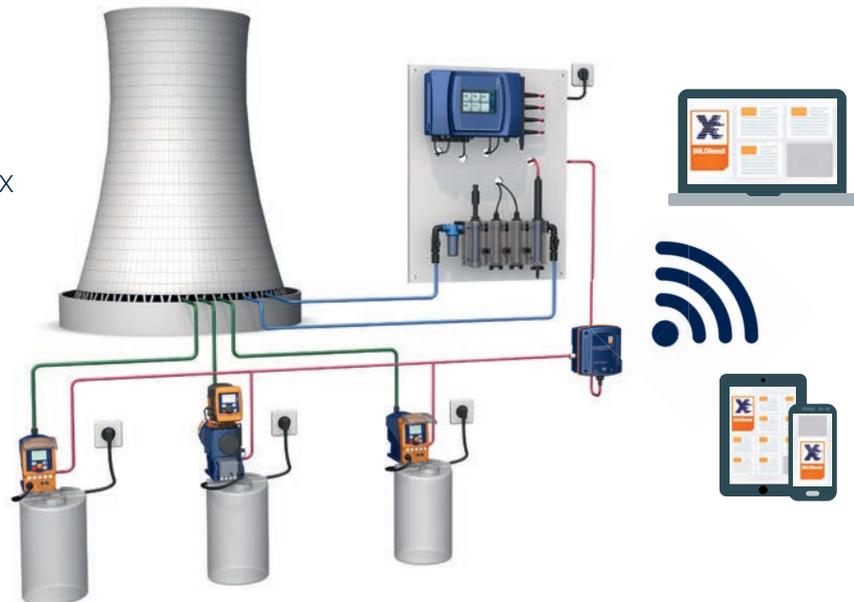
Controller  
AEGIS II

# Practical application of DULCOneX.

## Three possible applications.

### Water treatment in a cooling tower:

Metering of corrosion inhibitors, biocide and anti-scaling agents. Adaptive control and remote monitoring via the DULCOneX platform ensure high process reliability with economic system operation.



### Online fill level monitoring:

Sensors report to the DULCOneX platform when a pre-selected fill level limit has been reached. An alarm is issued before the chemical has been used up so that more chemical can be ordered. This ensures that a timely refill is never missed again.



### Swimming pool water treatment for a hotel chain:

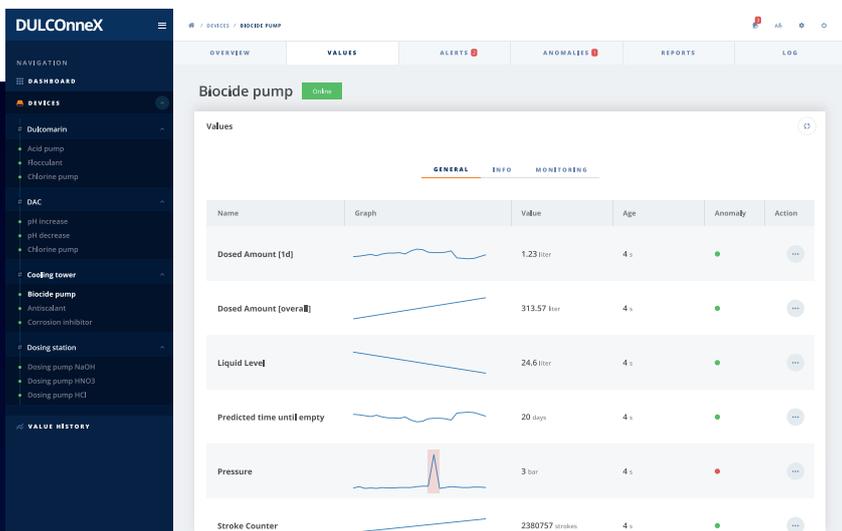
Metering of sodium-calcium hypochlorite in the wellness areas of 15 hotel resorts. Adaptive control and remote control from the chain's head office via the DULCOneX platform. The system can be controlled from anywhere using any PC, tablet or smartphone with the appropriate access authorisation.



# Added value through multiple functions: The DULCOnneX platform.

The DULCOnneX platform is the node through which all the process data for a system passes. Smart functions make efficient & smooth system operation possible.

- Adjustable limit and alarm values avoid costly downtimes. For example, the current liquid level limits are displayed. When a critical liquid level is reached, the system issues an automatic notification, allowing chemicals to be delivered and stored just in time.
- The user can automatically generate reports, easily create documentations and comfortably meet official requirements. Required reports can be sent directly to the relevant authorities without much effort.

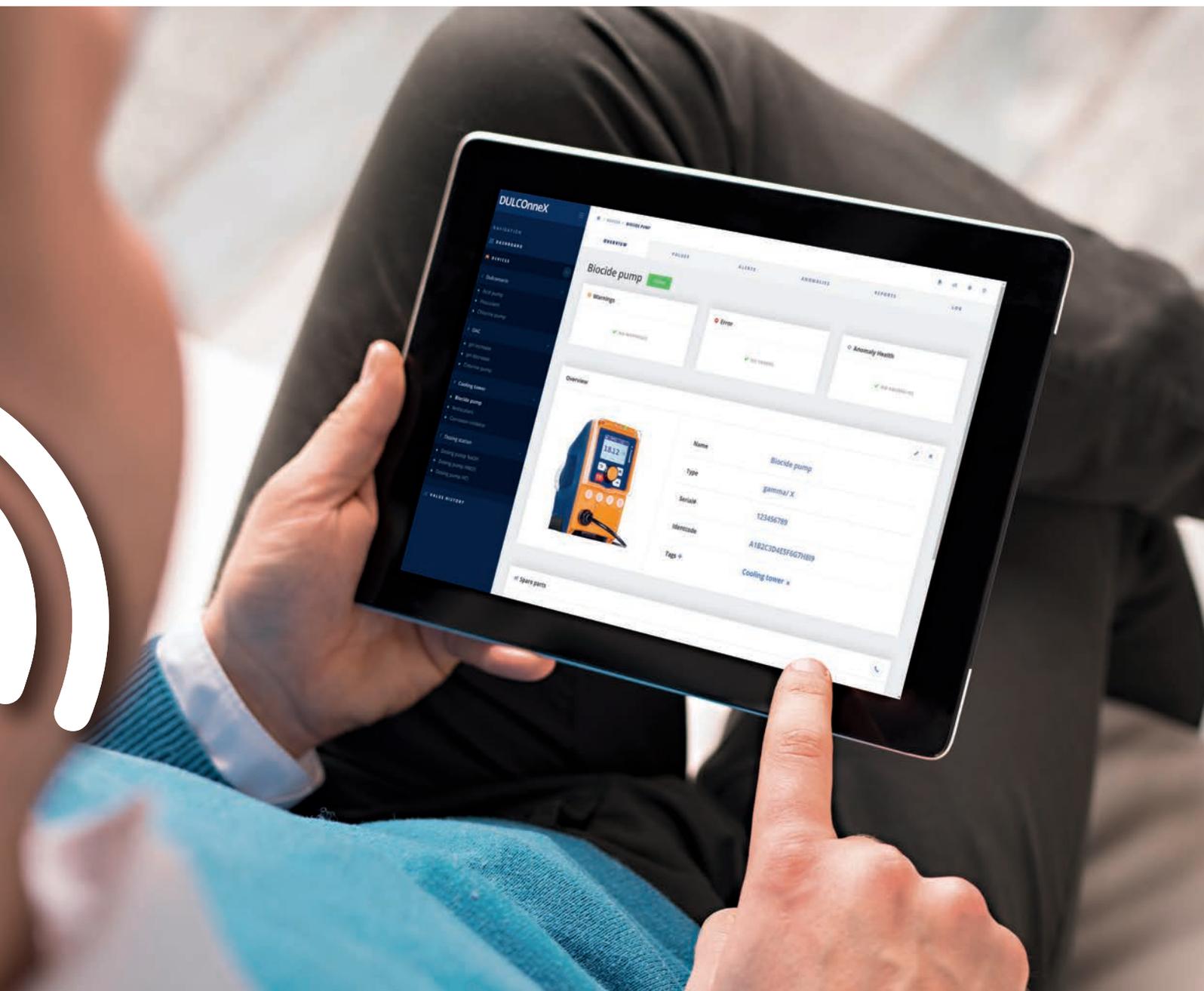


- Online monitoring becomes “Predictive Monitoring”: The total amount metered and the predicted tank range are displayed in real time. Deviations from previous values are highlighted in colour in the DULCOnneX platform and trigger alarm messages, if desired.



## Access from any end device and any location: DULCOnneX on PCs, tablets and smartphones.

The DULCOnneX platform's web interface allows the system operator to access the DULCOnneX platform from anywhere in the world using end devices such as PCs, tablets and smartphones. Users have direct access to information such as calibration data, set parameters or error statuses. Process conditions, such as operating period, metering rates or pressure conditions, can be called up both at the time or retrospectively.



## Worldwide contacts

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### Ready for you. Any time, anywhere.

ProMinent is at home in more than 100 countries across the globe. This guarantees the worldwide availability of our products and comprehensive expertise on the ground with short distances to our customers. We offer the same high quality standards for our solutions and services all over the world. And we work day in, day out to keep our promise: Ready for you. Any time, anywhere.

You can find the contact details of local branches and agencies at [www.prominent.com/en/locations](http://www.prominent.com/en/locations)

You can find the ProMinent app for iPad and iPhone in the iTunes App Store or at [www.prominent.com/app](http://www.prominent.com/app)



Additional information about digital fluid management with DULCOneX can be found at [www.prominent.com/dulconnex](http://www.prominent.com/dulconnex)