Efficient operations through smart chemical stock management

Thank you for joining.
We will start in a few moments.

If you have trouble with the audio, try refreshing your browser or choose the "Flash" option on the left side of your screen. To optimize your webinar experience, please use Google Chrome.

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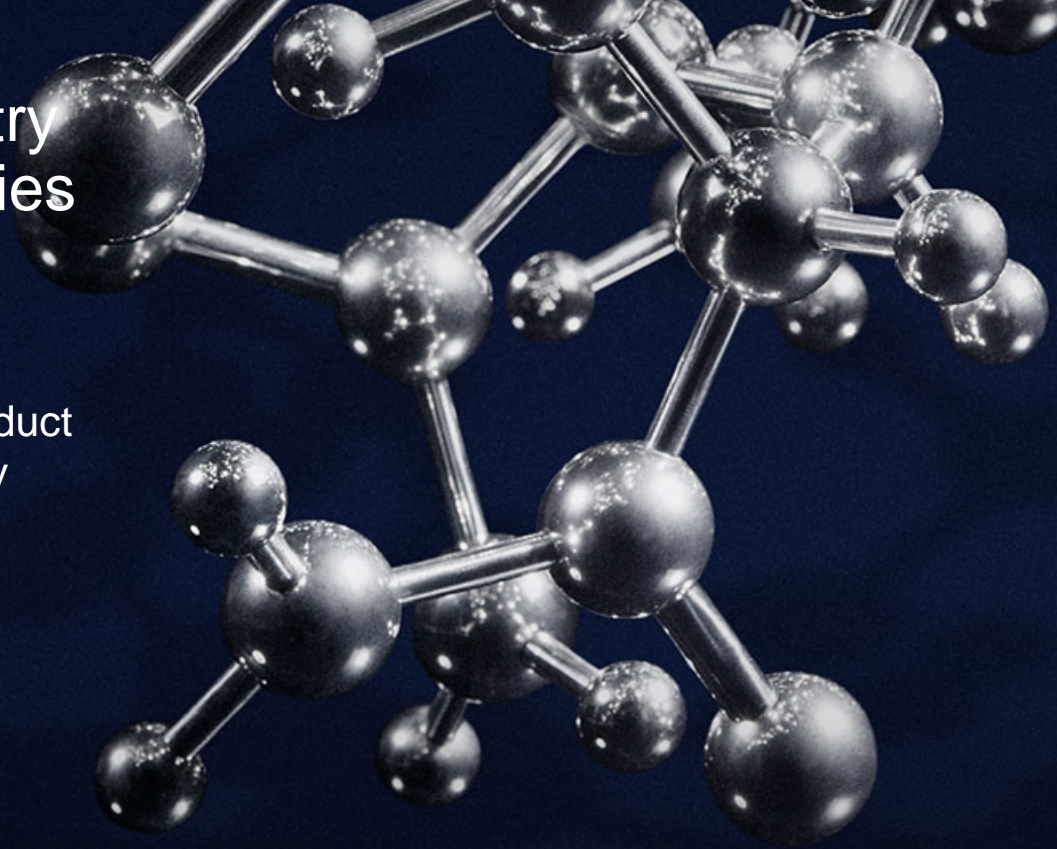# The first choice in chemistry for water intensive industries

Expertise, application know-how and chemicals that improve customers' product quality, process and resource efficiency

REVENUE:
EUR 2.4 billion

EMPLOYEES:
4,800

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Webinar hosts

Monika Epenstein

Marketing Manager,
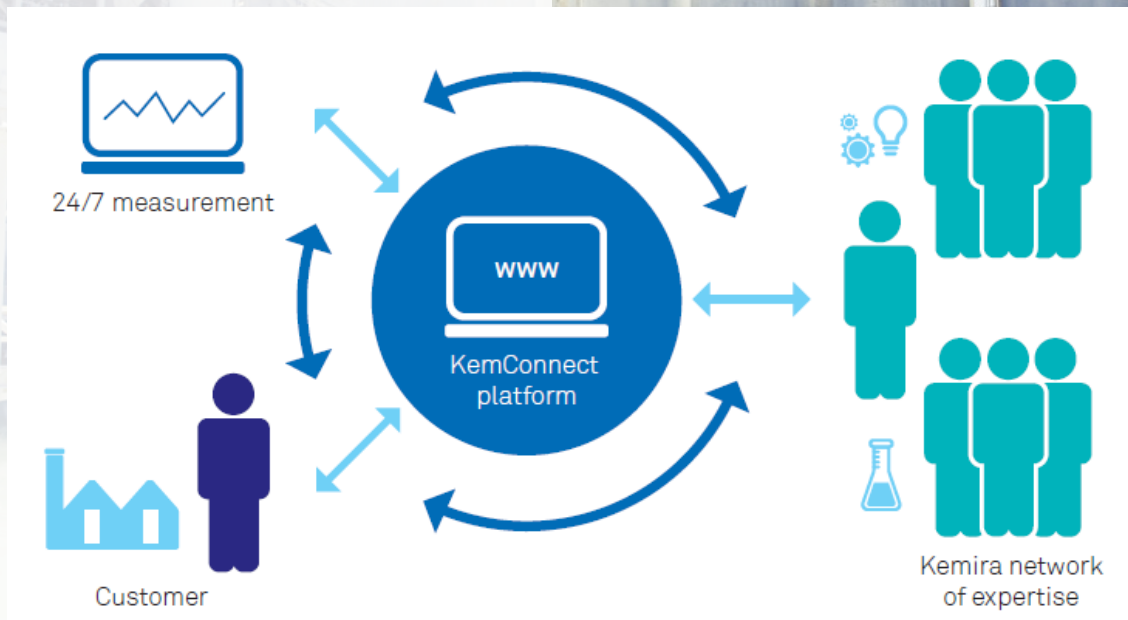Digital & SMART

Jussi Ruotsalainen

Senior Specialist, Application
Development & SMART

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Agenda

- Kemira KemConnect™

- Vendor managed inventory

- Common challenges & solutions

- Customer cases

- The future of smart chemistry

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The right mix of chemistry expertise and smart technologies

24/7 measurement

KemConnect platform

Customer

Kemira network of expertise
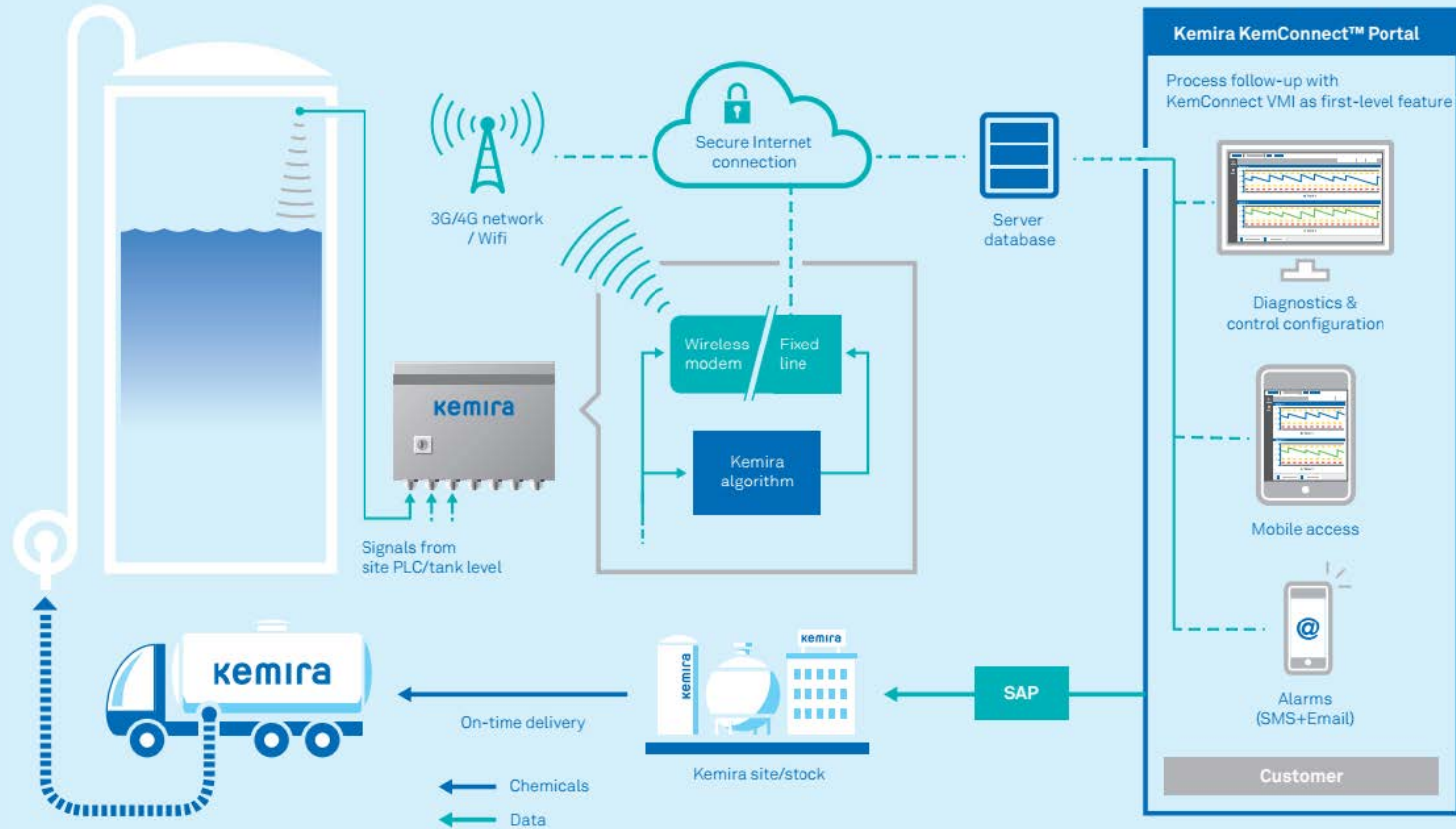
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Kemira KemConnect™
THE FEATURES

- Real-time smart process managament platform
- KPI reports & user-defined dashboards
- Flexible set of data interfaces
- Kemira & customer collaboration tool
- Secure access by authorized persons
- Alarms & reporting via SMS and email
- Browser based access through any devices

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Precision. Smarter processes.
Peace of mind.

- Reduced response time
- Cost-efficient chemical usage
- Improved process performance
- Increased process visibility

24/7

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Kemira KemConnect™ VMI - Vendor Managed Inventory

Common challenges & solutions
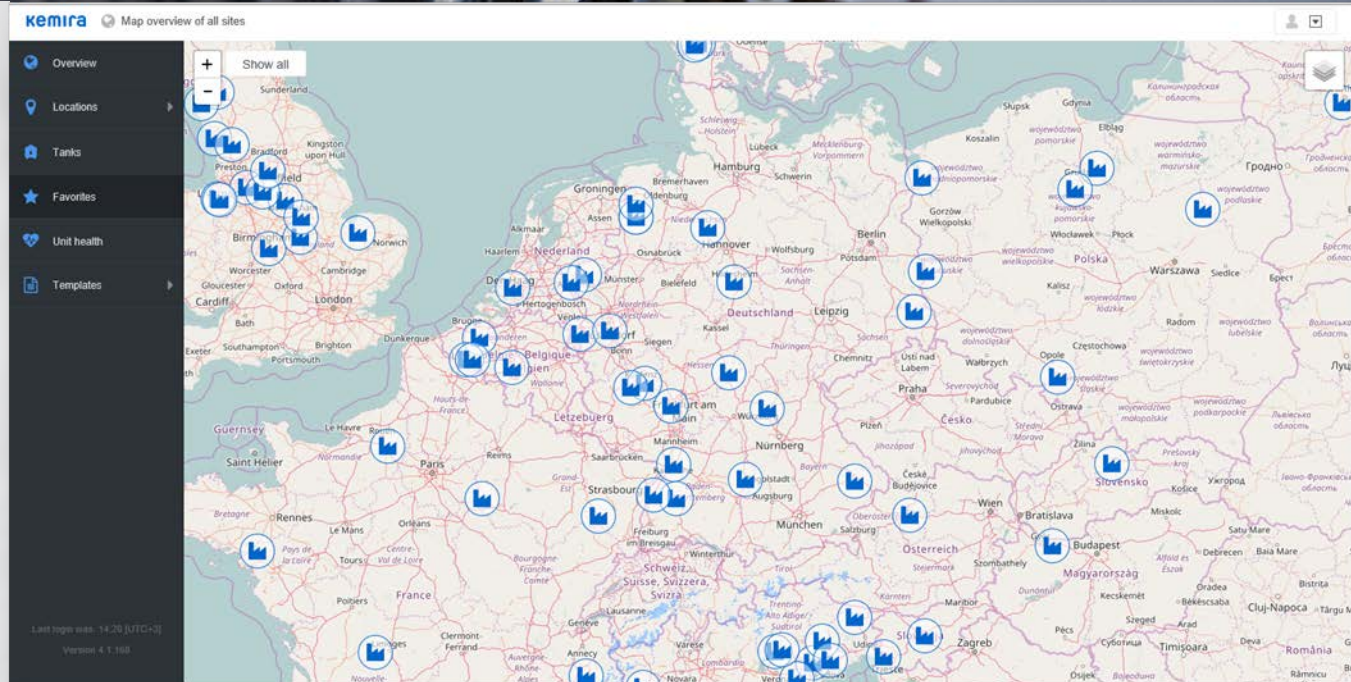
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Common challenges

- Challenges in stock-keeping
- Continuous monitoring required to keep orders on-time
- No total view of stock status
- Excessive manual work
- Lack of treatment application insight on chemical consumption

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Solution: sites overview
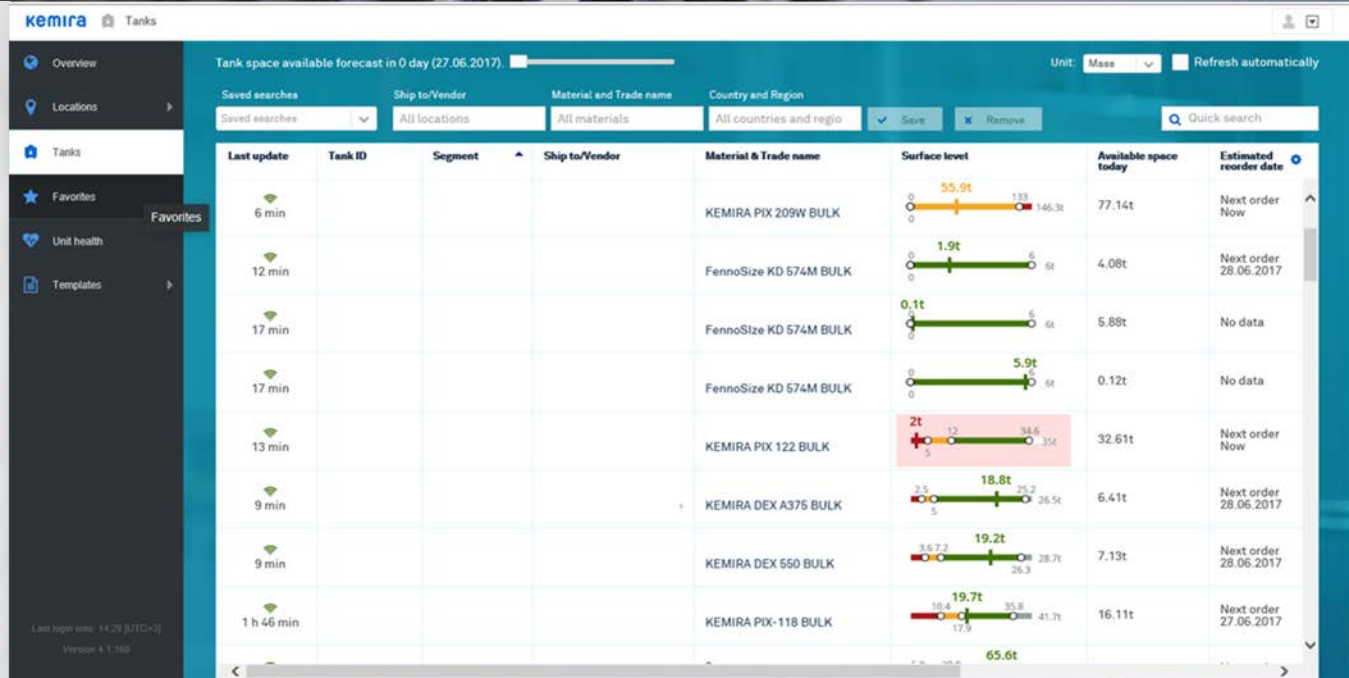
Geographical view

- Visibility of total chemical stock status

- Visual notes on threshold levels
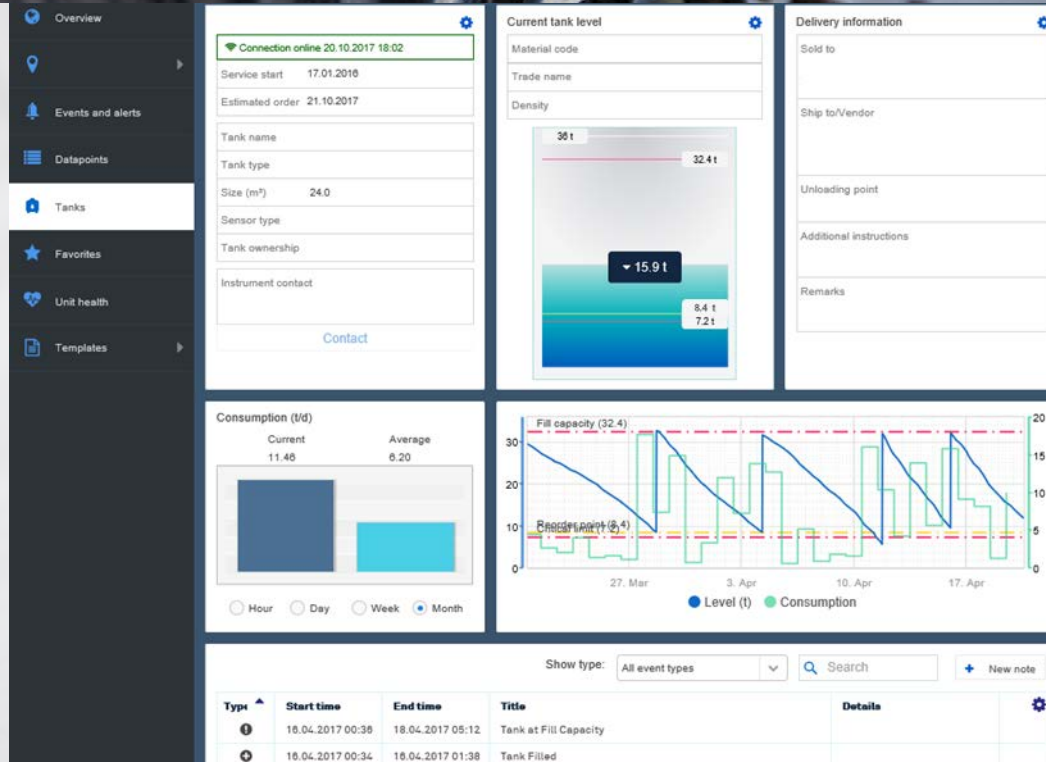
Solution: tank overview

Summary view

- Each tank level status
- Delivery notes
- Personally modified key parameters

Solution: specified tank details

Detailed view
- Current level
- Level thresholds
  - Reorder management
  - Notifications
- Average consumption
- Tank events listed (notes possibility)
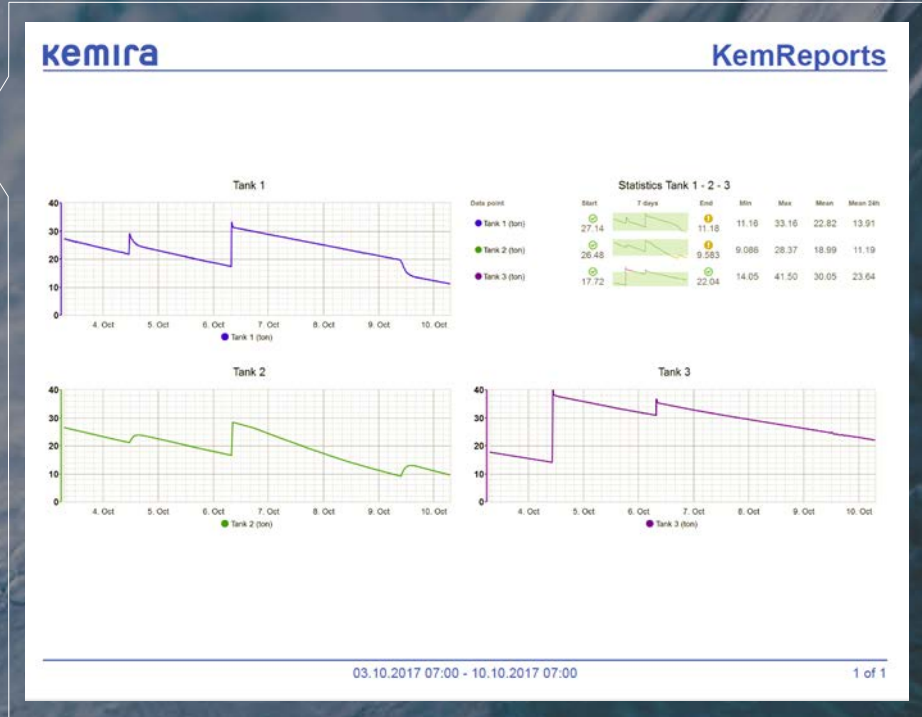- Adjustable time range of the data

The confidence of knowing – empowered by data

The KemConnect VMI increases communication via

- Automatic reporting

- Automatic notifications

- Events on online platform

Customer cases

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Biogas plant process enhancement

Bioenergy company,
Denmark

Full service of customer
chemical stock
management, including
monitoring, reordering
and logistics.

Customer benefits:

- On-time deliveries
- Decreased admin work
- Peace-of-mind

Power plant incinerator flue gas scrubber effluent pH control

Energy company,
Finland

Full service of customer chemical stock management, including monitoring, reordering and logistics.

Customer benefits:

- Prompt replenishment during rapid consumption changes
- Maintaining stock at required level

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Municipal wastewater treatment plant

Municipal wastewater
treatment plant, UK

Full service of customer
chemical stock
management, including
monitoring, reordering
and logistics.

Customer benefits:

- On-time deliveries
- Optimal dosage during major fluctuations in demand
- Decreased admin work
- Process optimization

Next target:

- Automatic phosphorus control

Phosphorus precipitation
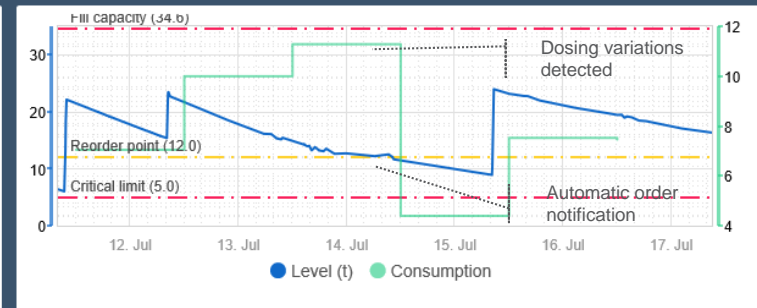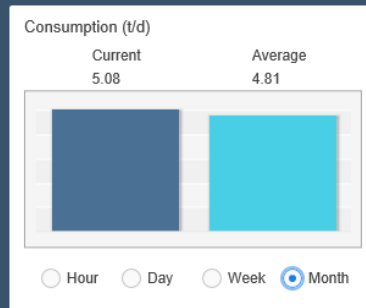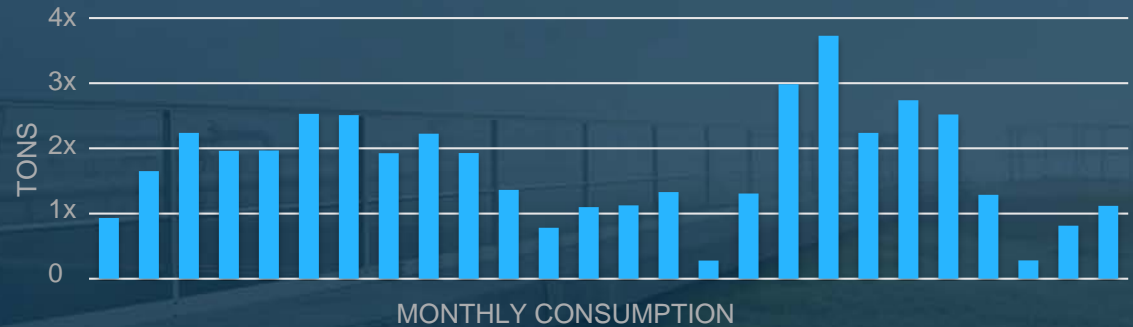
Customer benefits:

Peace of mind
→ Stock secured and stabilized in major consumption variance

Savings in administrative work
→ Kemira proactively manages stock with less POs required

Optimization of dosing
→ Saving by customer when excess dosing avoided

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What is the most important smart stock management feature for you?

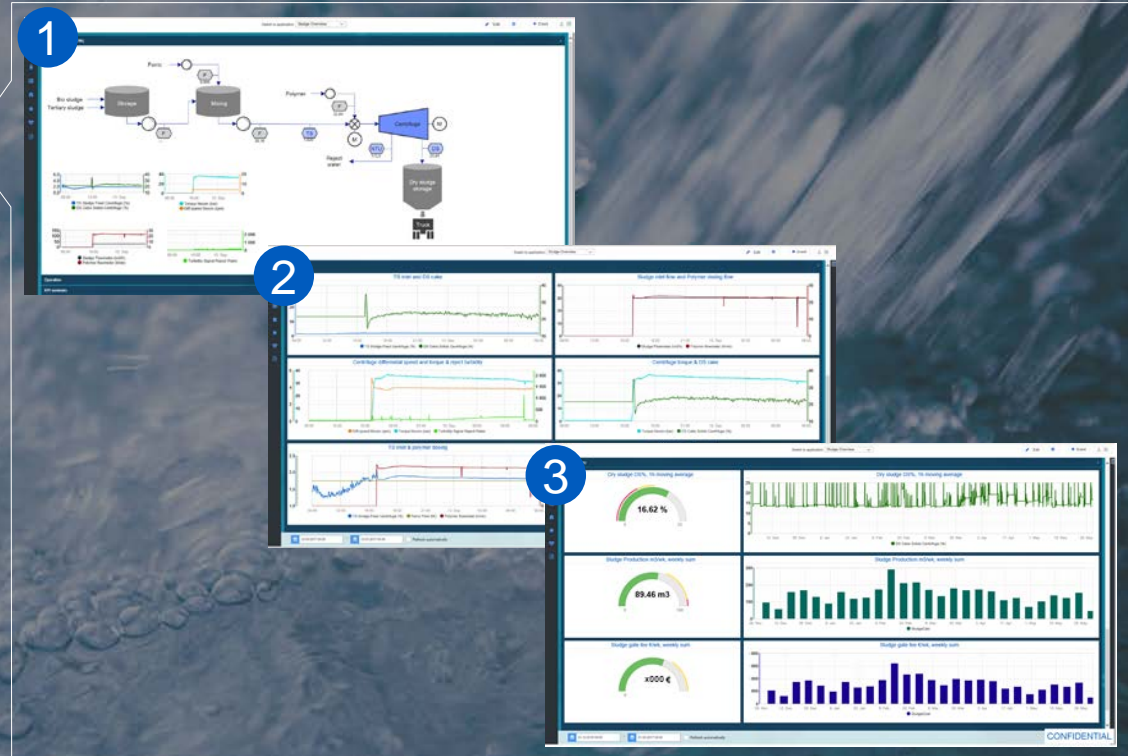| Feature	Percentage
Automated ordering	38.5%
Info about chemical consumption	46.2%
Improved safety of chemical storage	15.4%
Improved overview of site networks	0.0%

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The future of smart chemistry

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Smart sludge dewatering

Application monitoring, powered by Kemira KemConnect™

1. Operational status at a glance

2. Long-term online data for optimization and troubleshooting
   → application specialist consultancy

3. Tailored performance and OPEX KPI´s

Where would smart chemistry help you the most? Choose one.

Category	Percentage
Phosphorus control	24.0%
Energy efficiency control	16.0%
Solids removal	16.0%
Sludge dewatering	44.0%

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Questions and answers

Have a question? Ask our experts by clicking the chat icon on the bottom left of your screen.

Thank you

Thank you for joining and for your participation.

Please provide your feedback on the next screen to let us know about your experience and if you have improvement suggestions for our future webinars.

In case you have any further questions, don't hesitate to contact our experts.

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