S.sensing

S.sensing CS:
advanced online monitoring optimises wastewater treatment

- No over-/underdosage (using the right amount at the right time)
- Stable treated water quality and thus safe plant operation
- Reduced cost for pH control
- Less sludge & disposal cost
- Reduced Total Cost of Operation

KURITA

S.sensing CS: advanced online monitoring optimises wastewater treatment

Real time wastewater monitoring and dosing control

Kurita's S.sensing CS technology offers a unique way to control the product dosage at wastewater treatment applications. The state-of-the-art system operates with a laser based technology and measures the floc formation in-situ in the wastewater. Therefore, with S.sensing CS it is possible to adjust the dosage of the treatment products already when the floc is formed and not only after the floc has settled. This advantage allows to react and to adjust the dosage immediately even if the wastewater quality changes. This approach ensures the optimal product dosage continuously adapted to the real wastewater conditions.

- Kurita's original dosing control system based on advanced laser technology
- Online monitoring and control of product dosage
- Using the right amount of product at the right time
- Stable and improved system performance due to chemical dosage ratio

up to 25 %
Less Product Consumption

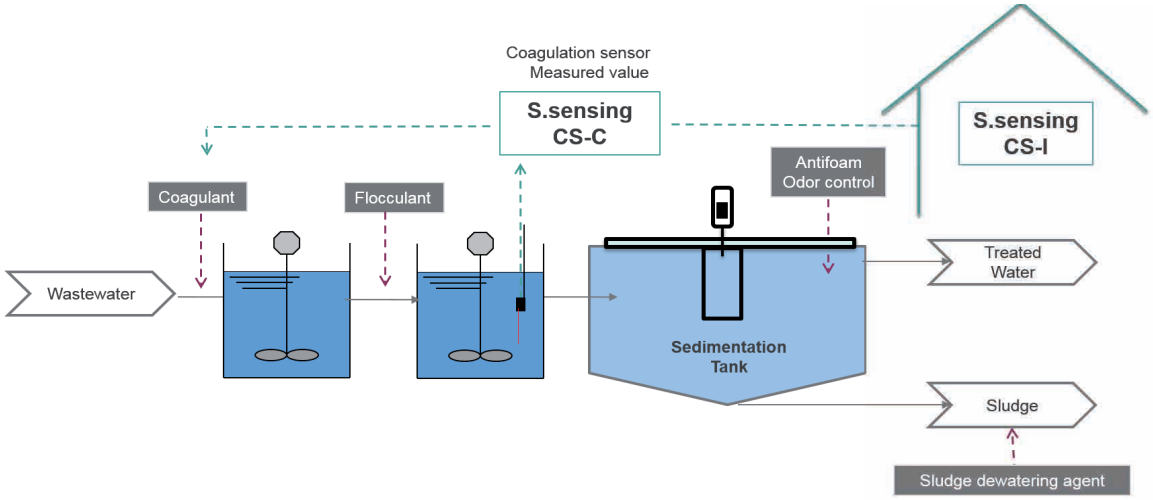
up to 20 %
Total Cost Reduction

up to 20 %
Decrease of Sludge Amount

Efficient and practical wastewater treatment with S.sensing CS

S.sensing CS is composed of two parts: S.sensing CS-C and S.sensing CS-I.

- S.sensing CS-C controls the laser based turbidity sensor and transfers the measurement results to the S.sensing CS-I. The optical system of S.sensing CS sensor measures the turbidity between the flocs and thus optimises the flocculation process.
- S.sensing CS-I supplies power as well as receives and processes all data streams between S.sensing CS-I and CS-C units and the sensor. S.sensing CS-I is operated by a user-friendly touch panel.



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