

WASTEWATER TREATMENT PLANT MONITORING & OPTIMIZATION



1 Wastewater Collection System Monitoring & Industrial Discharge Detection

- Identify industrial discharge / toxicity
- Understand organic loading
- Influent monitoring

2 Influent Organic Load Monitoring And I&I Impact Quantification

- Understand impact of I&I (rain events)
- Identify toxic / imbalance events
- Determine seasonal impact on plant performance

3 Aeration Optimization

- Optimize aeration efficiency
- Save costs on reduced aeration

4 Anaerobic Digestion Optimization / Co-digestion Loading

- Monitor bio-reactor stability
- Optimize co-digestion
- Maximize biogas production

5 Carbon Dosing Optimization For Denitrification

- Optimize carbon dosing to denitrification
- Save costs on reduced carbon dosing

6 Bio-P Process Monitoring

- Monitor VFA generation
- Identify carbon requirements

7 Effluent Wastewater Quality Monitoring

- Monitor effluent wastewater quality



Real-time SENTRY data is sent to on-site SCADA & an online dashboard

SENTRY™