

## Utility process diagnostics tool to aid treatment plant operators



### Objective

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Conceptualization and design of the backend architecture for a machine-learning enabled plant process diagnosis and troubleshooting software tool to aid wastewater plant operators.



### Our Work

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Envint led the engagement in stealth mode for an early-stage start-up targeting the global water utility market.

- Adoption of a 'systems-thinking' approach to create an interlinked dataset of more than 100 operations issues with root-cause analysis
- Creation of user-friendly diagnostic flowcharts to enable step-by-step problem identification and solution selection
- Development of computation tools for assessment of plant health based on operating parameters
- Analysis of market trends, competition, gap analysis and product development with differentiated positioning



### Impact

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Client has moved ahead to the next phase with software development based on Envint's architecture design. Pilot architecture is also being tested with early adoption users.