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PipePredict GmbH

PipePredict has created a digital tool, which can be implemented into existing pipe networks to minimize losses. They offer a Predictive Maintenance tool for pipe networks (District Heating, Water, Chemicals), analysing existing sensor data with a digital twin and Machine-Learning-Algorithms. Thanks to their solution, it is possible to monitor the pipes' leakage status and location in real-time and predict when and where pipes are going to burst.

Waterjade

Waterjade offers a digital twin for the optimization of water sourcing. Current forecasting approaches, based purely on historical data, do not take into account actual basin conditions and current climate change, resulting in low reliability and serious repercussions in water supply planning such as wastage, service discontinuity and damage from extreme events. Waterjade new technology can halve the prediction error by digitally reproducing the water cycle at the catchment scale.

FEBUS Optics

FEBUS Optics brings a new generation of fibre optic sensing-based solutions to the market using DAS, DTS and DSS. They provide real-time water pipeline integrity monitoring solutions, for leak detection, water penetration and third-party intrusion. Thanks to their innovative distributed optical fibre sensing solutions, they offer a wide range of customizable applications.

Alpha Cleantec AG

Alpha Cleantec provides chemical technologies in soil, water, groundwater, sludge, and industrial wastewater decontaminating. They developed a sludge pre-treatment process for municipal wastewater plants, to significantly increase biogas generation, improve dewatering, and decrease dry sludge disposal.

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AQUALITAS

AQUALITAS strives to enable everybody to utilize the benefits of reliable water quality monitoring technology, by developing affordable sentient systems based on machine learning algorithms. Reliable water quality data is one of the fundamentals to achieve intelligent water and wastewater treatment plants and networks. Their multiparameter water quality system solution is self-aware of their condition, thus enabling users to trust the acquired data with almost no maintenance.

HUPI SAAS

HUPI is a technological company specialized Artificial Intelligence solutions that generate recommendations, in automatic and real time, to help professionals take rapid and complex operational decisions. They provide a highly flexible, operational and scalable solution based on AI, for the monitorization of clean and waste water networks, with automatic alert generation in real time.

Aganova

Specialists in water leak detection in transport networks, Aganova offers an innovative solution for the diagnosis and leak detection in large diameter networks from inside the pipe, at the same time offering valuable information for the decision-making process. Inspecting the water supply network frequently provides information on how its condition evolves over time, thus optimizing the asset management.

Fracta, Inc.

Fracta, Inc. is a cutting edge condition assessment solution that uses Machine Learning to assess the condition and risk of drinking water. Deploying a wide range of environmental parameters, Fracta's self-learning solution improves its accuracy with every datapoint added. This leads to a constant reduction in terms of non-revenue water loss for every water utility.

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Ostara Nutrient Recovery Technologies Europe (UK)

Ostara is leading the charge to upcycle phosphate in wastewater streams into sustainable, revenue- generating fertilizers, in response to plant demand for unmatched nutrient availability. Nutrient pollution can harm waterways, creating algae blooms that upset the natural environment. Ostara helps maintain nutrient levels to sustain a healthy water supply.

CANN Forecast

CANN Forecast mission is to help prevent water-related crises. They build reliable real time decision support tools leveraging data and artificial intelligence, to protect public health and infrastructure, reduce water loss and operating costs. They developed an AI-based predictive system for the proactive management of Drinking Water and Wastewater networks.