

MindSphere Open Space Challenge

Case Specification

Company

EnWaT GmbH

Company Details

Industry	Plant construction
Size (empl. / turnover)	12 employees, 1.4 million € / year, 20% growth in the last three years
Main Products, Innovations	<ul style="list-style-type: none">- Water treatment plants, waste water treatment plants and sewage sludge drying- All treatment plants operate without chemical additives.- Innovations for disinfection of drinking water, solar sewage sludge drying, removal of nitrate using electrical processes.
Customer structure	40% municipality, 30% industry and 20% private households

Case Title

Smooth Workflow: Communal Drinking Water Supply to Go

User Story

Drinking water suppliers must have complete assurance that the basic water supply of their citizens is ensured.

The personnel in charge therefore requires quick and weighted information for and about their plants and networks.

The goal is to combine the often small and decentralized systems intelligently in a Cloud system so that the supply structure can be monitored and you are able to respond to imminent events.

Problem Description

What are the problems you need to address?

- A control centre solution would be uneconomical for the many small decentralized supply systems or extraction sources
- Filtered important system information and handling recommendations are always available via smartphone
- Quick responses to events, maintenance work and key figures are available with a cloud solution

How is the problem currently handled?

- Multiple daily or weekly visits to the treatment plants
- Partially manual documentation of consumption values and key figures

Who is affected by the problem?

Plant operator, water supervisor, managing director

How critical are these topics to you and your customers?

Basic water supply of drinking water is not ensured!

Technical Provision

Type of machinery / plants?

All plants available with SIMATIC S7-1200 and Comfort Panel, as long as remote access via SinemaRC is possible

Questions?

MindSphere Forum

<https://www.mindsphere.io/community/>