



BEST Kick off

Argo Kuusik, TUT BEST Kick off, Helsinki



TUT team

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- Olev Sokk research staff
- Argo Kuusik research staff
- Erki Lember research staff









Work plan

2.2.1 ON-SITE DATA COLLECTION, 2.2.2 2.2.1 ON-SITE DATA COLLECTION, 2.2.2 2.2.2 PILOT TESTING PILOT TESTING PILOT TESTING Period 1 October 2017 - March 2018 Period 2 April 2018 - September 2018 Period 3 October 2018 - March 2019 Data collection of WWTPs current Assessment of WWTPs current situation Pilot testing for removal of hazardous situation in LV, PL and EE: origin of (2.2.1.3). Analysis of nutrient and substances and phosphorus in WWTP wastewater, treatment prosess, hazardous substances (data analysis (2.2.2.3 continues). Analysis of results. efficiency etc based on existing Description of technologies and 2.2.1.2). Pilot testing to remove monitoring data and performing hazardous substances, phosphorus, comparison (2.2.2.4), presentation in additional analysis if required (2.2.1.1). other substances (2.2.2.3). Pilot testing workshop (WP3 3.1.3). Identification of potential sources and test schemes are utilized for WP4, and pathways of nutrient and hazardous results are presented in capacity building substances. Selection of substances to workshops (WP3 3.1.2.). investigate, analyse (2.2.1.2). Preparation work for pilot testing, installation of equipment, compilation of test plan (2.2.2.1). Start of testing (2.2.2.3). WP2 data collection is planned in cooperation with WP4 and WP5 to support development of local management models (WP4 4.1) and compiling of guidelines (WP5).









Work plan

2.2.4 COMPILATION	2.2.5 COMMUNICATING THE RESULTS
Period 4 April 2019 - September 2019	Period 5 October 2019 - March 2020
Analyzing the results of pilot tests and preparing the input for the final report. Compilation is sent for comments to stakeholders (2.2.4.1). Sharing results to project partners (2.2.4.2).	1

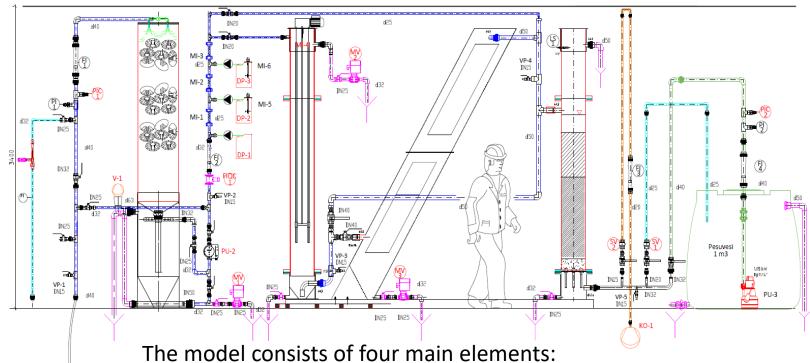








Pilot device project



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- the aeration system
- coagulation flocculation system
- sedimentation system
- filtration system.









The device allows:

- 1. experiment with coagulant doses and their dosing points
- 2. experiment with different filter materials
- 3. experiment with oxidizing and stabilizing chemicals
- 4. check the technological parameters found in previous bottle tests, including:
 - coagulant and flocculant marks (types) and doses;
 - coagulation parameters,
 - > the amount of sediment and its (physical) properties,
 - handled water properties,
 - filtering and filter lining parameters.









Pilot







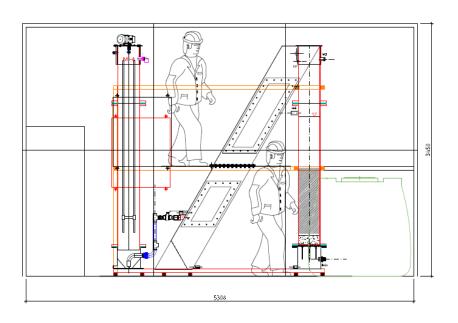


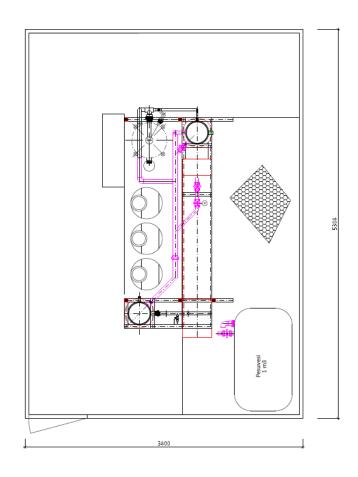






Pilot casing













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