

publications and presentations of econovation

Econovation was able to present interesting results at the Münchner International Papiersymposium (IMPS) for the third time in a row. In cooperation with Innventia AB in Stockholm several different trials were carried out in 2014. The scientific focus was set on optimization of inlet streaming in a transparent channel and on testing the behavior of more than one instreaming component within one ecowirl dosing unit. Afterwards the results were evaluated on a FEX pilot paper machine. It was successfully demonstrated that retention aid, filler and microparticles could be dosed in an all-in-one step very shortly before the headbox. Furthermore interesting influences of all three components on the paper formation were recognized. The publication in "Wochenblatt für Papierfabrikation" will follow shortly.

Another interesting presentation on advantages and disadvantages of current dosing equipments and technologies was given at the technical Zellcheming committee "Chemical Additives".

A third publication will be published in "ipw" in the beginning of april. The topic is the ecowirl d as direct dosing unit and its advantages in the mixing of liquid polymers and products without predilution or product maturation. Furthermore an overview on potential applications in paper industry and municipal wastewater treatments is given.

ecowirl direct dosing for municipal wastewater treatment plants

The smart objection to dose liquid polymers and flocculant agents directly without predilution is innovative in the field of municipal wastewater treatment as well. A reduced construction (see Fig. 1), easy handling and a clean dosing process are the keywords for an ecowirl revolution in that field. The very first trials carried out in the wastewater treatment plant at papermill Neenah Gessner in the sedimentation tank and the sludge dewatering unit. At the moment ecowirl d installations in the fields of phosphate precipitation, sludge dewatering and sedimentation in the municipal field are planned.

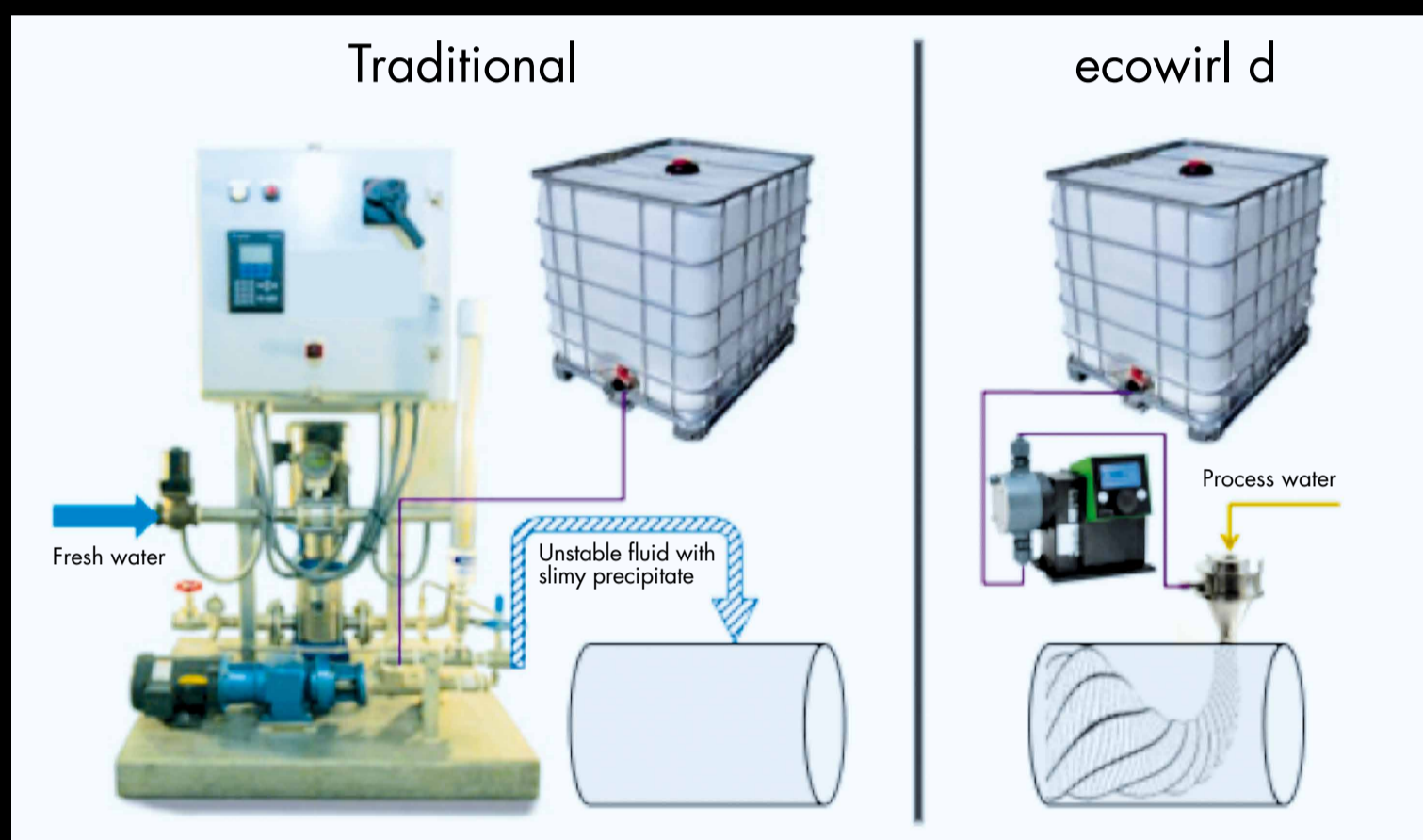


Fig. 1: Comparison of traditional polymer preparation and dosing equipments with ecowirl direct dosing unit

sludge desintegration – research project at the University of Trento

In cooperation with the University of Trento the ecowirl is currently tested for its use in enhancing sludge degradability via cavitation. The first trials in labscale were successful. Therefore a pilot scale trial is installed and evaluated in the wastewater treatment plant in Trento at the moment.

optimizing filter systems for retention aids – a simple and hygienic concept

With the process of installing the ecowirl m 100 for dosage of retention aid at Hamburger Rieger Containerboard in Trostberg a new challenge for filter optimization opened up for econovation. The new filter systems are optimized towards its flow- and streaming properties. Furthermore they offer better hygienic and working safety standards via an integrated drip pan. Transparent tubes and an easy handling simplify the controlling and service process. The systems are constructed to be emptied completely and lump formation is prevented.

our booth in Zellcheming expo in 2015

We are delighted to enounce our very first own booth on Zellcheming expo in June 2015. You will find us in hall 11 in booth C25. Besides our traditional ecowirl mixing system new fields like e. g. direct dosing and the dosage of components like particles and synthetic fibres will be presented as well. We hope to see you all in June.

ecowirl goes international

Besides our two main markets in Germany and Italy, econovation was able to successfully establish some ecowirl installations in Austria and Switzerland within the past two years. Now we are heading towards new goals with more of our european neighbors. In 2015 our focus is set on France, Sweden, the Netherlands and Spain.

new office for econovation

To keep up with the staff and innovative project development, econovation recently moved into a new office. It is situated in

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