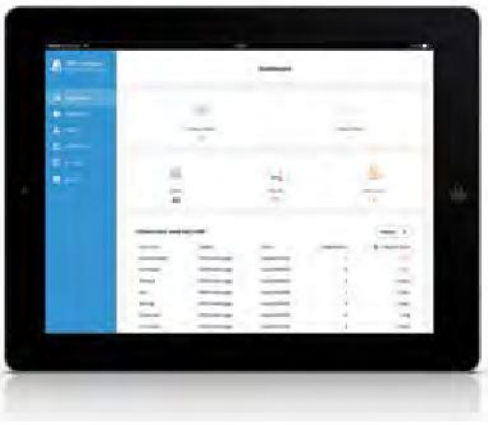
PWG Introduces Cloud-Based Customer Platform with Wifi Valve



OEM Installer

Pollet Water Group (PWG) and sister company **Suko**, created a cloud-based platform offering manufacturers, installers and end users direct access to their softeners. To do so, PWG uses the new W-Lan connected Clack valve. The brand new cloud-based platform is in final testing phase and will be available by the end of 2016. The valve with platform will be introduced to the market for the first time by Suko. The idea of the platform is to grant manufacturers, installers and even the end-users direct access to their softeners and filters through a WIFI/W-Lan connected valve controller. The W-Lan connected valves will make it possible to be consulted and programmed from a distance. The PWG platform offers customers access to the valve controllers data at different levels. An end user can consult his softener from his mobile device and can ask to get an alarm in case of salt shortage, excessive water use and water leakages. The installer can login and consult from a distance the current and historical usage data as well as the actual settings, helping him to prepare for a service call and arrange salt delivery. The OEM-customer can consult and modify from a distance the current and historical usage data as well as the actual setting from a distance. He can restart or reset the valve in order to offer customers a full service package guaranteeing the end-user a full service solution of a careless softener. ■

Biological Treatment of Toxic Wastewater

The process wastewater of a production facility for methylamines and derivatives is characterized by a toxic character and a nitrogen surplus. The original trickling filter treatment process does not succeed in producing an effluent, complying with environmental legislation. Therefore, the company invested in a second biological step (activated sludge). However, significant problems with sludge flottation and washout arose since startup of the new plant and nitrification remained unstable. **EPAS**, a Belgian process technical consultancy agency, provided several services to examine and solve the problem. Firstly, through full scale follow up and process optimization, combined with thorough analytical follow-up and data interpretation, a proposal was made for full scale process measures and follow-up. Secondly, the impact of a lamella settler for intermediate removal of sludge washout from the trickling filter was studied in the lab of EPAS. Optimal process conditions for coagulation and flocculation of non soluble matter were identified. The lab study resulted in a proposal for a full scale application, in cooperation with **Veolia Water Technology Belgium**. EPAS provided technical support during installation and operation of the settler and there is an ongoing process and analytical follow-up by Epas. The project resulted in a reduction of final sludge washout at full scale with 50 percent on average (periodically no sludge washout at all) and a stable and complete nitrification. The lamella settler in the meantime has become an integrated part of the WWTP. ■

Wastewater treatment plant