



Colsen 1989 - 2014 Newsletter 2014 # 2

Colsen among TOP 100 most innovative SME's in NL

Colsen is very honored to be ranked 44th in the top 100 of most innovative SME's in The Netherlands. After receiving environmental awards in 2001, 2005 and 2013 we received a new achievement record in 2014. The Colsen innovation records all relate to our developments in the area of sustainable energy production, phosphate recovery from waste water (ANPHOS®) and biological desulphurization of biogas BIDOX®. This honorable position amongst the 100 most innovative SME's is a testimony to a very successful business concept in the year that Colsen celebrates its 25th anniversary!



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AWZI VION civil works finalized



Colsen recently finalized the civil works related to the turn key construction of the new waste water purification system for the VION production location at the industrial estate Ladonk in Boxtel. From now on the focus will be on the completion and startup of the installation. The design and the construction of the installation were executed under the responsibility of Colsen, whereas HydroBusiness takes care of the financing and the future long term exploitation. The startup of the installation is foreseen for the end of 2014.

The WWTP technology is based on anaerobic digestion of the waste water, whereby biogas is produced. After desulphurization using a BIDOX® installation the purified gas is used for the sustainable production of energy in support of the production processes of VION. Attached link provides access to a 1 minute video summarizing the WWTP construction ([video](#)).

New BIDOX® installation for Smurfit Kappa (UK)

For the production location of paper producer Smurfit Kappa in Townsend Hook (UK) with an annual capacity of 250.000 ton paper and paperboard we are currently finalizing the delivery of a BIDOX® installation. Smurfit Kappa's corporate sustainability policy embraces efforts to reduce fossil CO₂ emissions via improved waste water treatment, enhanced biogas production and the use of biogas for the production of electrical or thermal energy.

The BIDOX® desulphurization unit for Townsend Hook is designed with a capacity of 10.000 Nm³ biogas per day and will reduce the H₂S concentration from ca. 9.000 to <200 ppm. The installation will be delivered in August 2014 whereas the startup is foreseen for early 2015.



Soil decontamination at LWM Kruiningen (NL)



Lamb-Weston Meijer vof has requested Colsen to coordinate the demolition and soil decontamination activities at the production location at Kruiningen (Zeeland, NL). The replacement of the existing grading unit was an excellent opportunity to remediate some historical soil contaminations. During this activity 2,500 tons of contaminated soil were removed. In 2015 the remaining contaminants will be removed. After completion of this first remediation step the construction of the new grading line will be initiated.

The new line will be equipped with state of the art sustainable technology applying the best available techniques. The new grading-line is much more compact and fully integrated with the loading and unloading docks of the raw material reception.

Colsen International b.v.



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