

Industry Sector Industry Solutions Division

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WEFTEC 2008

Siemens and ACE Korea Reach Exclusive Distributor Agreement for Electro-Osmosis Dehydrator in North America and China

Siemens Water Technologies and ACE Korea, Inc. (Busan, Korea) have recently reached an exclusive distributorship agreement to promote ELODE (Electro-Osmosis Dehydrator) in North America and China. This unique electro-dewatering device extracts both free and absorbed water from organic and inorganic residual materials. With efficiencies yielding greater than 40 percent dry solids, typical municipal and industrial waste sludge volumes can be reduced by half, or more. The ELODE technology uses less energy consumption than some other drying technologies.

The ELODE technology is offered as a primary dewatering device, as well as a secondary treatment unit, which allows it to be easily retrofit into existing facilities. Using the combined principles of electrophoresis and electro-osmosis, the ELODE device consists of three basic components: a sludge conveying belt, an anode and a cathode. Biosolids cake can be generated from a primary dewatering process such as a belt press, centrifuge or filter press. The cake is then extruded onto the ELODE device's sludge-conveying belt. When the cake passes between the anode and cathode, the electro-osmosis dehydration process occurs, resulting in a highly dewatered residual material.

The ELODE device will be featured at WEFTEC.08 in Booth # 28077, Hall B.

Further information about solutions for water treatment available at

<http://www.siemens.com/water>

A photo supplements this press release. Please see:

<http://www.industry.siemens.com/data/presse/pics/IIS200810367.jpg>



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ELODE is a trademark of ACE Korea, Inc.

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With the business activities of Siemens VAI Metal Technologies, (Linz, Austria), Siemens Water Technologies (Warrendale, Pa., U.S.A.), and Industry Technologies, (Erlangen, Germany), the **Siemens Industry Solutions Division** (Erlangen, Germany) is one of the world's leading solution and service providers for industrial and infrastructure facilities. Using its own products, systems and process technologies, Industry Solutions develops and builds plants for end customers, commissions them and provides support during their entire life cycle.

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