



Press Release

Kelvion and ENEXIO collaborate in the EU project MinWaterCSP for reduction of water consumption in concentrated solar power plants

Bochum/Herne (Germany), March 21, 2016 – Under coordination by Kelvion, a total of twelve partners – within the context of the project MinWaterCSP, for minimized water consumption in concentrated solar power plants (CSP) – will develop solutions to reduce the consumption of water in CSP plants and increase the cost-effectiveness of such plants. European, Moroccan, and South African partners – including ENEXIO Deutschland and Kelvion Thermal Solutions of South Africa – are taking part in this research and demonstration project. This venture began in January of 2016 and is being supported by the European Union within the context of the Horizon 2020 Program.

The goals of this consortium include reduction by 75 to 95 % of evaporation in small and large CSP plants, compared to wet cooling systems. Cleaning of the mirrors also offers potential cost savings. As a result, several approaches are being pursued in parallel: implementation of a hybrid cooling system (dry-wet), development of new heat exchanger components and of innovative and more efficient axial fans, the development of optimized mirror-cleaning systems, as well as improved water management for the entire facility. The objective here will be optimized efficiency of a CSP plant with reduced water consumption. Solutions to achieve these goals will be developed during the coming three years and tested at three locations in southern Spain, Morocco, and South Africa. The purpose of the MinWaterCSP project is to increase the competitiveness of concentrated solar power plants, to make the technology more attractive for investors.

The MinWaterCSP project partners, in alphabetical order, are as follows: ECILIMP Thermosolar SL (Spain), ENEXIO Germany GmbH (Germany), Fraunhofer ISE (Germany), Institut de Recherches en Energie Solaire et Energy Nouvelles – IRESEN (Morocco), Kelvion Thermal Solutions Pty Ltd. (South Africa), Laterizi Gambettola SRL – SOLTIGUA (Italy), Notus Fan Engineering (South Africa), Stellenbosch University (South Africa), the Steinbeis-Europa-Zentrum of Steinbeis Innovation gGmbH (Germany), Universita Degli Studi di Roma la Sapienza (Italy), Waterleau Group NV (Belgium), and – as project coordinator – Kelvion Holding GmbH, with headquarters in Bochum (Germany).

Kelvion



ENEXIO



As part of the Horizon 2020 Research and Innovation Program of the European Union, MinWaterCSP is being supported under Funding Agreement no. 654443. For more information on Horizon 2020, please consult the following website: www.horizont2020.de

In case of publication, please submit one copy to us of each of the published items for our archives.

If you do not wish to receive any further information from Kelvion, please send us an e-mail to press@kelvion.com or phone us at +49-(0)234-980 2584.

If you do not wish to receive any further information from ENEXIO, please send us an e-mail to press@enexio.com or phone us at +49-(0)234-980 2581.

Press contact at Kelvion:

Kelvion Holding GmbH
Nicole Hückels
Dorstener Str. 484
44809 Bochum
Germany
Tel. +49 234 980 2584
E-mail: nicole.hueckels@kelvion.com

Press at ENEXIO:

ENEXIO Management GmbH
Jetmir Shaini
Dorstener Str. 18-29
44651 Herne
Germany
Tel. +49 234 980 2581
E-mail: Jetmir.Shaini@enexio.com

Kelvion



ENEXIO



About Kelvion

Kelvion is a globally active manufacturer of industrial heat exchangers for an extensive range of markets. Since November of 2015, the former subsidiaries of GEA Heat Exchangers have been operating as a standalone company under the name of Kelvion – a new name for a company with proven expertise, unique competence, and an extensive product portfolio. With plate heat exchangers, shell and tube heat exchangers, finned-tube heat exchangers, modular cooling towers, and refrigeration heat exchangers, the company reaches customers in global markets for energy, oil and gas, chemistry, marine applications, climate and environment, and food and beverages.

Kelvion is a specialist in customer-specific products and services and serves its target customers throughout a global sales and production network.

As of December 31, 2015 the company had generated annual sales of approx. 900 million euros and employed around 4,500 staff around the world.

For more details on Kelvion, please consult www.kelvion.com

About ENEXIO

ENEXIO is a reflection of what we do and what we have accomplished as a pioneer in the field of power cooling and water treatment over the decades. It represents a promise to both our customers and business partners that we – as a global provider for power cooling and water treatment solutions – stand for **Energy. Engineering. Excellence.**

With our experience and pioneering spirit in engineering, manufacturing and service, we deliver state of the art solutions for power plants, water and wastewater applications – always inspired by our profound sense of responsibility for the overall management of resources and a clean environment. We deliver excellence and achieve customer satisfaction everywhere in the world. Our global network of employees work with an unceasing commitment to high quality, ecology and cost effective products and services.

What our commitment to Energy, Engineering and Excellence means for you is that we are a reliable partner who is always there to meet your expectations with superior results. More than 80 years in the market and a great deal of success have made us a leading manufacturer and solutions provider worldwide of both wet and dry cooling systems. Depending on customer requirements, we can provide any type of cooling solution for power generation efficiency while assuring cooling water economy. Our rich product portfolio ranges from all dry air cooled condenser (ACC) and Heller technologies to all wet cooling towers, united through dry/wet combinations with evaporative add-ons.

In addition to our core power cooling solutions, we also offer cooling tower, water and wastewater components that ensure a high degree of operating safety and environmental protection. The ecological Circumix technology —as a comprehensive solution to ash and waste water management in coal fired stations — completes our extensive portfolio.