

Allmind and All-Optiflow will highlight Achema 2012

(Radolfzell/Germany) Colfax Fluid Handling will exhibit new products Allmind (pat. pending) and All-Optiflow (proprietary) at the Achema trade fair in Frankfurt, Germany (June 18 to 22). Both products are designed to help drastically reduce operating, maintenance, and energy costs for the operator. Visitors to Booth D63 in Hall 8, can see for themselves the potential for savings with the new Allmind Smart Platform.

Allmind is an intelligent system that monitors all types of pumps and can help dramatically reduce expenses for day-to-day operations, maintenance, and energy. At the same time, Allmind helps to improve operational safety. Precise control afforded by the system helps the pump achieve the desired operating point. Allmind requires only a standard frequency converter. Allweiler's proprietary algorithms provide all necessary control information.

Allmind is comprised of interchangeable modules, giving the system the flexibility needed to adapt to highly individualized processes. The system offers the ability to handle everything from relatively simple condition monitoring to sophisticated monitoring and control activities involving multiple pumps. And it does it all with a single unit. The system can monitor pressure, temperature, leakage, vibration, and output as well as activate PID controllers. Each pump can be individually equipped with speed control. Use of Allmind can increase system availability and helps avoid unplanned production downtime. The system stores all sensor values and makes them available for evaluation purposes.

The All-Optiflow series employs a variety of innovative design details that help reduce energy consumption as well as costs for maintenance and spare parts. These progressing cavity pumps exhibit a high power density that can lower energy costs by up to 15% compared to conventional PC pumps. Stub shaft diameter is approximately 30% smaller than conventional pumps, reducing friction by nearly 50%. Other examples include redesigned pumping elements with higher power density, low-friction rotors and shaft seals, and stators with a special surface.

Contact:
Stefan Kleinmann
Senior Director, Marketing &
Business Development
ALLWEILER GmbH
Allweilerstr. 1
78315 Radolfzell
Germany
Tel: +49(0)7732 - 86 525
Fax: +49(0)7732 - 86 496

Colfax Fluid Handling
Power and Industry
colfaxcorp.com

Editorial contact
Dr. Kurt Christian Tennstädt
TennCom AG
Hohentwielstr. 4a
78315 Radolfzell
Germany
Tel.: +49(0)7732 - 95 39 30
Fax: +49(0)7732 - 95 39 39
E-mail: info@tenncom.de

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info@tenncom.de.



Image caption:

The "AM 101" Master Module is the central "brain" of the new Allmind pump monitoring, diagnosis, and control system. If several pumps are in operation, the AM 201 satellite modules come into play. They receive sensor signals at each pump and communicate these to the master module.

ABOUT COLFAX CORPORATION – Colfax Corporation is a world-leading manufacturer of products and solutions for handling critical fluids. Within this business segment (Colfax Fluid Handling and global subsidiaries) Colfax manufactures displacement and kinetic pumps in addition to valves for oil and gas delivery and processing, power generation, shipbuilding for commercial and military applications, and a variety of other industries. Colfax subsidiaries manufacture products under well-known brands Allweiler, Baric, Fairmount Automation, Houttuin, Imo, LSC, Portland Valve, Rosscor, Tushaco, Warren, and Zenith.

Colfax is a public corporation listed on the New York Stock Exchange (ticker symbol CFX). Additional information about Colfax and its products is available at www.colfaxcorp.com.

ABOUT ALLWEILER – Allweiler GmbH is the oldest German pump manufacturer and the European market and technology leader for centrifugal, propeller, screw, progressing-cavity, cogwheel, rotary lobe, macerators, and peristaltic pumps. Allweiler GmbH has its main German headquarters in Radolfzell on Lake Constance as well as a production site in Bottrop, Germany. Allweiler GmbH owns its own foundry and stator production.

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Contact:

Stefan Kleinmann
Senior Director, Marketing &
Business Development
ALLWEILER GmbH
Allweilerstr. 1
78315 Radolfzell
Germany

Tel.: +49(0)7732 - 86 525

Fax: +49(0)7732 - 86 496

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Editorial contact

Dr. Kurt Christian Tennstädt
TennCom AG
Hohentwielstr. 4a
78315 Radolfzell
Germany
Tel.: +49(0)7732 - 95 39 30
Fax: +49(0)7732 - 95 39 39
E-mail: info@tenncom.de

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