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CEMEP Topic: Industrial revolution until 2025: the culture of “new” for the 1st day

The importance of market surveillance for the pump sector

Abstract

Pumps and pumping systems have been in the first row of industrial products within the EU ecodesign directive, following the respective directive on electric motors. For the pump industry, energy efficiency is part of the business model. Hence, Hydraulic Institute, the Association of US American pump manufacturers, together with EUROPUMP, the Association of European pump manufacturers, published a pump life cycle cost-guide already in 2001. A self-commitment program on energy efficient circulators was started by EUROPUMP in 2004. Further, EUROPUMP proactively supported the work of the European Commission on ecodesign directives on pumps, for instance on water pumps (published in 2012, currently in the process of review). During this supporting process, the European pump industry could demonstrate that beyond the comparatively small energy saving potential of the pure product approach, i.e. for pumps unrealistically running around the best efficiency point, a big step in energy saving can be obtained with the so-called extended product approach. This approach describes an extended product consisting of pump+motor+drive/motor starter, running under a rather realistic average load profile. The energy saving potential is ten times higher compared with the simple product approach. The pump industry and motor and drive industry joined forces and developed a new standard for the extended product approach. However, this new promising approach creates new demands for the market surveillance. These challenges will be shown and discussed in the presentation.