

EPOS Technology Focus - Wastewater and Other Liquids

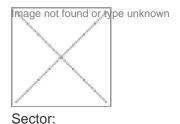
Project:

Enhanced energy and resource Efficiency and Performance in process industry Operations via onsite and cross-sectorial Symbiosis

The EPOS project brings together 5 global process industries from 5 key relevant sectors: steel, cement, chemicals, minerals and engineering.

EPOS's main objective is to enable cross-sectorial Industrial Symbiosis (IS) and provide a wide range of technological and organisational options for making business and operations more efficient, more cost-effective, more competitive and more sustainable across process sectors.

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Occioi.

Cement

found or type unknown

Ceramics

found or type unknown

Chemicals

found or type unknown

Engineering

found or type unknown

Minerals

Nonferrous metails

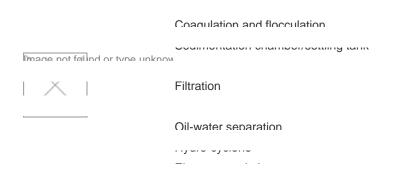
Steel

Water

Summary:

EPOS Technology Focus: Within the scope of the EPOS project, extensive literature and market research reviews were performed in order to identify different technological, organisational, service and management solutions that could be applied to different industrial sites and clusters. The collected information will aid in establishing on-site and/or cross-sectorial industrial symbiosis opportunities; additionally, to enhance overall sustainability, performance and resource efficiency of different process industry sectors. Through the cooperation of project partners, a longlist of different technological options was created. Resource material for this list included: scientific articles, project reports, manufacturer's documentation and datasheets.

Wastewater and other liquids: Similar to heat and electricity, water is a key resource for many process industry activities. Industrial sectors aim to improve efficiency in water consumption and wastewater disposal. Efficient use of water (and other liquids) is achievable through the integration of new/upgraded technological solutions for purification and recycling, implementation of advanced liquid management systems and better utilisation of available wastewater streams.





Keywords:

Technology, Industry, Sustainability, Wastewater, Liquid

Type:

Case study

Education/training materials

Other

Rights:

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