EPOS Technology Focus

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 competitiveand more sustainable across process sectors.

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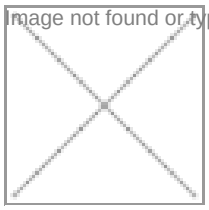

Sector:

Cement

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Ceramics

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Chemicals

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Engineering

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Minerals

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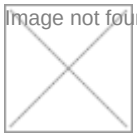

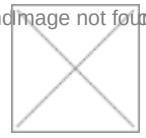

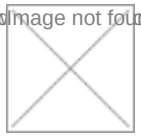

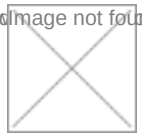

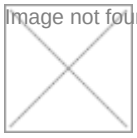

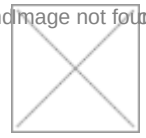

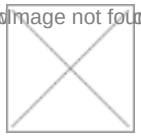

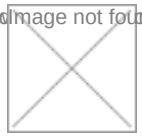

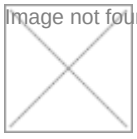

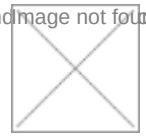

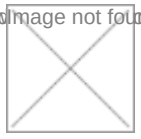

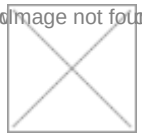

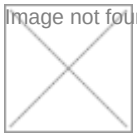

Non-ferrous metails

Steel

Water

Summary:

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.

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Keywords:
Technology, Industry, Sustainability
Type:
Case study
Education/training materials
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Contact Name:
Project coordinator: Greet Van Eetvelde
Email:
info@project-epos.eu