

SHAREBOX

Secure Management Platform for Shared Process Resources

Informationen zum Projekt

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Overview

Resource efficiency offers a major economic opportunities for the European Process Industry, both in terms of cost savings as well as opportunities to offer greener products and services. Industrial Symbiosis (IS) is the use of by-products e.g. energy, water, waste and other materials, by one company or sector from another one. The approach that underpins SHAREBOX centres on logical work flow that covers from the identification of new symbiotic synergies right through optimised connections among companies and organisations in established symbiotic relationships. SHAREBOX will provide plant operations and production managers with the robust and reliable information that they need in real-time in order to effectively and confidently share resources (plant, energy, water, residues and recycled materials) with other companies in an optimum symbiotic ecosystem.

Objectives

To develop and bring to market a secure platform for the flexible management of shared process resources with intelligent decision support tools. To provide plant operations and production managers with the robust and reliable real-time needed to optimise symbiotic connections (plant, energy, water, residues and recycled materials) with other companies in a symbiotic ecosystem.

Innovation

In order to overcome the limitations in current Industrial Symbiosis delivery and ICT tools for IS facilitation, a number of key innovations are being brought to the SHAREBOX development that will yield a world first ICT platform technology that holds the potential to be a major catalyst for increased Industrial Symbiosis (IS) among process industries and for enabling cross-sectorial interactions.

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