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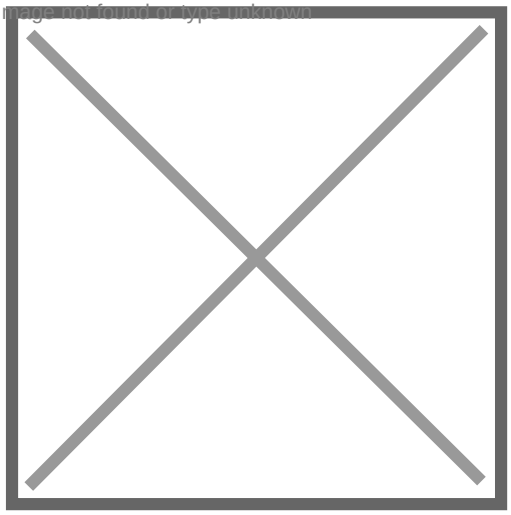

SPIRE-06-2015

SHAREBOX

Full Title: Secure Management Platform for Shared Process Resources

Aim:

Sharebox will develop a secure platform for the flexible management of shared process resources that 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 eco-system.

Concept:
Industrial symbiosis (IS) is the use by one company or sector of by-products, including energy, water, logistics and materials, from another. IS networks have proven successful not only in diverting waste from landfill, but also in contributing to the preservation of resources and moving waste up the value chain. They have also been an accelerator of innovation and creation of green jobs. The European Resource Efficiency Platform has championed IS as a mechanism for reducing carbon, preserving critical resources and securing business sustainability. However, inadequate business-to-business information on, for example, what resources a product or process contains hinders efficient material flows and the creation of value in the circular economy.

Start date:
01/09/2015

End date:
31/08/2019