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SPIRE-08-2015

IbD

Full Title: Intensified by Design® for the intensification of processes involving solids handling

Aim:

IbD® will create a holistic platform for facilitating process intensification in processes in which solids are an intrinsic part, the cornerstone of which will be an intensified-by-design® (IbD). Through five IbD®- enabled industrial process intensification case studies, the project will develop and upgrade methods for the handling of solids in continuous production units based, on the one hand, on the intensification of currently existing processes and, on the other hand, through completely new approaches to the processing of solids.

Concept:
The IbD approach is hinged on the use of robust data about a process to ‘redesign’, modify, adapt and alter that process in a continuous, intensified system, and will be the new paradigm in the intensification of processes based on statistical, analytical and risk management methodologies in the design, development and processing of high quality safe and tailored chemicals, pharmaceuticals, minerals, ceramics, etc. under intensified processes.

Start date:
01/09/2015

End date:
31/08/2018