



Intelligent water treatment technologies for water preservation combined with simultaneous energy production and material recovery in energy intensive industries - intelWATT

IntelWATT aims to develop innovative, cost efficient, smart separation technologies applied in energy and water intensive industries

The goal of the project is to demonstrate 3 TRL7 case studies that will achieve water preservation along with energy conversion and material recovery. The proposed solutions will also target at zero liquid discharge while implementing maximum water reuse.

Tailor made sensors and automated decision making mechanisms will optimize the process conditions in real time. The case studies will be implemented in crucial EU and global industrial applications such as electricity production, mining and metal plating.

Implement smart sensor technology for online monitoring, real time process adaptation and deep learning, with customizable intelligent industrial process software module based on an agnostic protocol connectivity cloud infrastructure.

Partners

Call:H2020-LCCI-2020-EASME-singlestage

Type of Action: IA - Innovation action

Acronym: intelWATT

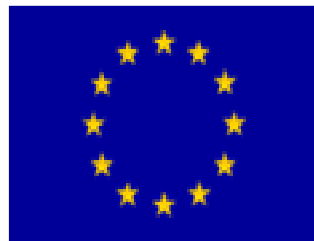
Duration: 42 months

Start date: 01 October 2020

Overall budget: € 12 515 256

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