



## DELIVERABLE 3.4

### STREAM-0D module

# “Online data gathering and data analysis”

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**Project coordinator:** INSTITUTO TECNOLÓGICO DE ARAGÓN

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## Document Information

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<sup>1</sup> **Types. R:** Document, report (excluding the periodic and final reports); **DEM:** Demonstrator, pilot, prototype, plan designs; **DEC:** Websites, patents filing, press & media actions, videos, etc.; **OTHER:** Software, technical diagram, etc.

<sup>2</sup> **Dissemination levels. PU:** Public, fully open, e.g. web; **CO:** Confidential, restricted under conditions set out in Model Grant Agreement; **CI:** Classified, information as referred to in Commission Decision 2001/844/EC.

## Executive Summary

This deliverable describes the structure and contents of the STREAM-OD building block “Online data gathering and data analysis” and the guidelines and procedures that must be followed for its deployment in a generic industrial application.

The STREAM-OD solution will generally consist of five building blocks: i) Industrial requirements; ii) Reduced Order Models; iii) Online data gathering and data analysis; iv) Adaptive control and v) Integration.

The third block “Online data gathering and data analysis” consists of the data gathering systems that are responsible for the in-line measuring of the most important product and process parameters and their collection to a database, and additionally the Data-Driven Models module which is responsible for analysing the gathered data and extracting meaningful information related to the outcome of the process.