



Key partner in Design Process Innovation

ACCELERATING THE UPTAKE OF MATERIALS MODELLING SOFTWARE

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ENGINSOFT PROPOSAL IDEA FOR CALL NMBP-09-2018

- Reference call:
NMBP-09-2018
- Main contact:
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- Name and subject of the Project idea:
EMMMpop: population of EMMM with materials modelling tools ready-to-use and easy to find by industries

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- Main Project objectives
 - 1) Existing academic codes (models, solvers, post-processors and interoperability modules) or codes owned by European RTO's and SMEs improvement in order to fulfill usability and standardization requirements.
 - 2) Integration of previously mentioned codes into commercial software according to industrial needs.
 - 3) EMMM population with material modelling tools
 - 4) Decision Support System to guide industries through the choice of most proper tool

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- Innovative aspects of the project idea

Industry will have at disposal a wide number of integrated and user friendly codes ready to be used to properly simulate material behaviour. Industries will be guided through the choice of the tool that fulfill their needs by a Decision Support system that collects and matches all codes peculiarities

- What are the expected results?

The European Materials Modelling Marketplace will be populated by a choice of material modelling tools

Industries can choose through a wide variety of material modelling tools and be guided in their choice in order to proper satisfy their needs

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- Expected impact
 - 1) Easier approach of industries to material modelling tools
 - 2) Reduction of the number of trial and error experiments by a factor of 5
 - 3) Enrichment of commercial codes with new, proper and more accurate material models

- EnginSoft contribution:
 - 1) Bridge between academia and commercial SW developers for the existing code integration
 - 2) Decision support system platform to support industry on the right code choice

- Partners search
 - 1) European RTO's, SMEs and academics owning material modelling codes
 - 2) Industry to validate the decision support system platform

CONTACTS

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