<Sirris – Peter Ramaekers>

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Infoday NMP and Factories of the Future

Project idea

- <Title: High temperature-/ fire-resistant filler material >
- <Field: Materials and Micro-Nanotech, New Production Technologies>
- <Objectives: to develop and test an injectable filler material:

* injectable in hollow products with wall thickness of 15 mm or lower
* thermal isolation value of 20 mW/mK or lower
* density preferably lower than 50 kg/m^3
* capable of filling hollow products with complex geometry
* homogeneous fill factor (e.g in cavities)
* as cheap as (or cheaper than) “rockwool” >

- < Application areas: industry (e.g. pipe-in-pipe isolation), transport, machines, … >

Idea Description

- <General Idea / Background Expertise description:

  R&D focus on development of **cheap** inorganic or hybrid (organic/inorganic) materials which are injectable in hollow cavities. Potential technology based on aerogels.

- <Main expected results>

  Technology developed to semi-industrial scale and validated in prototypes in different application areas

Your competences / Background expertise

- <Competences – Expertise *offered* >

- Materials technology
- Aerogel development
- Prototyping

Looking for...

- <Your expectations/specific needs from the partner in order to complete your proposal>

- Companies, especially SMEs, active as supplier in the potential application areas, and who are interested in acquiring IP rights on new developments in this area.
- Interested end users
- Research partners who can contribute to the R&D, e.g. production technology (injection, heat treatment)

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