SmortFin

Smart by Design and Intelligent by Architecture for turbine blade fan and structural components systems



This project has received funding from the European Union's Horizon2020 research and innovation programme under grant agreement n. 760779

PROJECT GENERAL INFORMATION

Full Title: "Smart by Design and Intelligent by Architecture for Turbine Blade Fan and Structural Components Systems"

Acronym: SMARTFAN

Call identifier: H2020-NMBP-04-2017

Topic: Architectured/Advanced material concepts for intelligent bulk material structures

Number of partners: 18

Duration: 48 months

Project Coordinator: Prof. C.A. Charitidis



SMARTFAN proposes the development of "smart" material and product architectures with integrated functionalities, that will interact with their environment and react to stimuli





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Development of intelligent components through the optimal combination of novel technologies and **bio-inspired** engineering





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APPLICATIONS

Smart composite demonstrators: UNITV ✤ DALLARA ✤ THALES ELICA SPA ✤ BIOG3D





RESEARCH AND INNOVATION HIGHLIGHTS

BEYOND THE STATE-OF-THE-ART

Automated production of components with highly improved physical and mechanical properties within the framework of the digital manufacturing concept

Manufacturing of Functionally Graded composite Materials



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CONTACTS



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Thanks for your attention!



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