

N°2
Mai
2015

SUPREME

SUSTAINABLE PREDICTIVE MAINTENANCE FOR MANUFACTURING EQUIPMENT

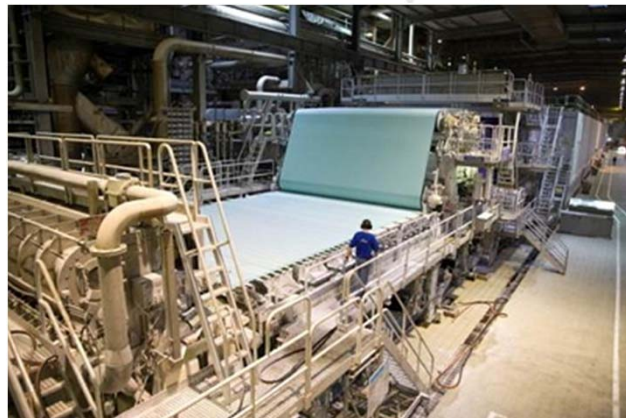
INCREASE THE PRODUCTIVITY OF EUROPEAN INDUSTRIES

SUPREME Project

The project impact will be the proof of predictive maintenance efficiency, reduction of down-time and energy consumption in manufacturing industry, demonstrated in a coated paper mill.

The objectives of SUPREME are :

- to develop and use most advanced signal and data processing dedicated to predictive maintenance and energy consumption reduction
- to implement these tools in an industrial demonstrator
- to develop, exploit and diffuse new tools for predictive maintenance



For more information, please visit the SUPREME PROJECT website at : www.supreme-fof.eu

Project achievements

WP2: Update of the State of the Art document

WP3: Installation of the final ECMS. Integration of most of the signal processing developed in SUPREME

WP4: Holistic optimization of maintenance strategy: Risk assessment and management of critical machines, equipment and components, deterioration and remaining useful lifetime (RUL) prediction for critical components, dynamic maintenance planning using current RUL and production data

WP5: Final installation of the system. Workshop in Condat for on-line tests of recommendation done.

WP6: Validation of the prototype

WP7: 1st version of the Dissemination Plan done. E-learning modules 2 and 3 done.

Press releases

Press article about SUPREME in EL PALEL magazine (January 2015)
Read the full article at www.supreme-fof.eu (in the "media" column)

Press article about SUPREME at ENERGETICA INTERNATIONAL website (May 2015)
Read the full article at <http://www.energetica-international.com/articles/real-time-energy-optimization-in-industrial-processes->



Funded by the
European Union

Project members



The work leading to this invention has received funding from the European Union Seventh Framework Programme ([FP7/2007-2013] [FP7/2007-2011]) under grant agreement n° 314311.

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Lastest events

SUPREME PROJECT has been represented by **Cofely Endel** and **Cetim** during the GDF SUEZ Industry Day in Lille last April. During this event, the SUPREME Project has been presented to the audience constituted of all the business units of the group. The presentation was a part of the Energy Transition workshop.



SUPREME PROJECT has been represented by **Loy & Hutz** during the FACILITY MANAGEMENT FAIR in Frankfurt last March.



Last **SUPREME PMB** meeting took place in Paris in March. The meeting has been organized by **Cofely Endel**.



SUPREME has been represented by **Grenoble INP** at the Annual Reliability and Maintainability Symposium in Palm Springs, FL, USA last January. During this event, **Grenoble INP** presented a communication on the work developed within WP4, entitled "Multi-Branch Hidden Semi-Markov Modeling for RUL Prognosis". The corresponding paper has been published in the conference proceedings.



SUPREME PROJECT has been represented by **Fraunhofer IPA** during the Maintenance FAIR in Stuttgart last April.



Agenda

Orloga company will host the next PMB in San Sebastian, Spain in June 2015.

For more information, please contact the SUPREME PROJECT Coordinator at : Sophie.Sieg-Zieba@cetim.fr



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