



New Services and Business Models for Renovation and Repair based on Advanced Prognostics and Health Management Technologies

T-REX partners meet other actors in the field of the Industry 4.0

The T-REX partner PREDICT organized a meeting on March 14th, between its different partners and the T-REX consortium members. End users, system and technology providers, science laboratories and innovation clusters meet themselves on the thematic of the Industry 4.0.

Meeting object was to address integrated solutions for renovation and repair products and services in order to answer to the new customer’s needs. In this context, product’s providers not only sell a “physical” product but also its uses (pay-per-use) and/or its results (pay-per-performance).

New issues are not only the reduction of the product’s Life Cycle Costs and the extension of this life cycle to maximize profits but also the creation of new personalized and attractive services for customer all along the product life cycle.

Various actions are possible to achieve these goals:

- Development of new Business Models in coherence with the new offers of services and able to manage customer’s loyalty over the long term.
- Development of new products design methods to extend the product life cycle in order to promote the modernization and renovation.
- Development of new services (e.g. maintenance services) compatibles with the new Business Models and with the existing services.
- Use of Prognostics and Health Management technologies adapted to the new services needs for industry, equipment or vehicle fleets.





Project M30 General Meeting at PREDICT Toulon

Consortium partners of the T-REX project recently gathered at PREDICT in Toulon, France, from 15th to 16th March 2016 for the M30 General Meeting, in order to share results and monitor progress made so far towards achieving the project objectives. The meeting was preceded by the networking meeting between T-REX consortium and PREDICT partners, together to a visit of a French navy vessel.

The meeting consolidated the development of 3 different use cases (Machinery, Automation and Transportation) from two different perspectives: (1) the development of Service-Oriented Business Models suitable for each Business Plan and (2) the deployment of a Condition/performance Monitoring platform, including Fleet Management software. In addition to the technical achievements, parallel activities such dissemination and exploitation advances and first results were discussed.

In particular – the meeting served to review final demonstration actions focused on validation and dissemination of achievements. These include the demonstration of new ULMA Fleet Management system and Business Model on Short Term Rental including refurbishing, the new Condition Monitoring system (Fleet Manager) and Business Model on Machine Tool extended services (servitization), and demo of Robotic Solution monitoring at customer location.

A public workshop will be held at ULMA (Spain) on September 15th to show main project results together with additional advances on strategies and for renovation, repair and maintenance in manufacturing systems.



T-REX Consortium at M30 General Meeting held at PREDICT, Toulon (FR)

Coming soon...

Demonstration of ULMA Condition Monitoring solution at <http://biemh.bilbaoexhibitioncentre.com> 30/5 to 4/6

Demonstration and paper presentation at <http://www.lubmat.org> 7-8/6 and 3rd PHM Europe conference 5-8/7 (Bilbao)

T-REX session at 8th CIRP IPSS conf. Product-Service Systems across Life Cycle 20-21/6 (Bergamo)

Project presentation at IT2Industry@AUTOMATICA trade fair 21-24/6 (Munich) and [Industrial technologies](#) 22/6 (Amsterdam)

[Public workshop at ULMA \(September 15th\)](#)

COORDINATOR



RESEARCHERS



CONTACT
MORE INFORMATION

INDUSTRIAL PARTNERS



Project Coordinator:
Aitor Arnaiz (IK4-TEKNIKER)
aitor.arnaiz@tekniker.es

Dissemination Manager:
Daniele Panarese (FIDIA)
d.panarese@fidia.it

