**A Novel Decision Support System for Intelligent Maintenance**

**Fact Sheet**

**Project Information**

<table>
<thead>
<tr>
<th>IMAIN</th>
<th>Funded under</th>
</tr>
</thead>
<tbody>
<tr>
<td>Grant agreement ID: 314304</td>
<td>FP7-NMP</td>
</tr>
<tr>
<td>Status</td>
<td>Overall budget</td>
</tr>
<tr>
<td>Closed project</td>
<td>€ 4 871 256</td>
</tr>
<tr>
<td>Start date</td>
<td>EU contribution</td>
</tr>
<tr>
<td>1 September 2012</td>
<td>€ 3 433 448</td>
</tr>
<tr>
<td>End date</td>
<td>Coordinated by</td>
</tr>
<tr>
<td>31 August 2015</td>
<td>FRAUNHOFER GESELLSCHAFT</td>
</tr>
<tr>
<td></td>
<td>ZUR FOERDERUNG DER</td>
</tr>
<tr>
<td></td>
<td>ANGEWANDTEN FORSCHUNG</td>
</tr>
<tr>
<td></td>
<td>E.V.</td>
</tr>
<tr>
<td></td>
<td>Germany</td>
</tr>
</tbody>
</table>

**Objective**

“iMain” is an European level research project aiming to develop a novel decision support system for predictive maintenance. To that end, a multi-layer solution integrating embedded information devices and artificial intelligence techniques for knowledge extraction and novel reliability & maintainability practices will be developed. The resulting solution will provide extended capabilities compared to those achievable with current state-of-the-art maintenance practices, increasing system lifetime of the production equipment at least 30%, energy efficiency at least 20%, maintenance cost at least 40% and availability of whole process at least 30%.

As for maximizing project impact, “iMain” project is strongly committed to deployment issues, including innovation and implementation actions focused on value chains and bridging the gap from research to market. To that end, “iMain”
emphasizes on the commercialization of results, taking also into account the needs of post-project monitoring of commercialization, which will be conducted after the end of the project in order to assess the achievement of the requested funding and for promoting the project as an effective innovation mechanism.

As a step towards the Europe 2020 strategy, “iMain” project will thus make a contribution in terms of R&D investment, employment and resource efficiency, aiming to assist EU manufacturers, particularly SMEs, to adapt to global competitive pressures by increasing the technological base of EU manufacturing through the development and integration of the enabling technologies of the future, specifically engineering technologies for novel predictive maintenance solutions.

Field of science
/social sciences/economics and business/business and management/commerce
/natural sciences/computer and information sciences/artificial intelligence
/social sciences/economics and business/business and management/employment
/engineering and technology/environmental engineering/waste management/energy efficiency

Programme(s)

Topic(s)

Call for proposal
FP7-2012-NMP-ICT-FoF

Funding Scheme
CP-TP - Collaborative Project targeted to a special group (such as SMEs)

Coordinator

FRAUNHOFER GESELLSCHAFT ZUR FOERDERUNG DER ANGEWANDTEN FORSCHUNG E.V.

<table>
<thead>
<tr>
<th>Address</th>
<th>Activity type</th>
<th>EU contribution</th>
</tr>
</thead>
<tbody>
<tr>
<td>Hansastrasse 27C</td>
<td>Research Organisations</td>
<td>€ 1 319 196</td>
</tr>
<tr>
<td>80686 Munchen</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Germany</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Website Contact the organisation
Participants (8)

OPTIMIZACION ORIENTADA A LA SOSTENIBILIDAD SL
Spain
EU contribution
€ 226 400
Address
Avenida Leonardo Da Vinci 18
Piso 2
41092 Sevilla
Activity type
Private for-profit entities
(excluding Higher or Secondary Education Establishments)
Website
Contact the organisation
Administrative Contact
Maximilian Steiert (Mr.)

LULEA TEKNISKA UNIVERSITET
Sweden
EU contribution
€ 434 200
Address
Universitetsomradet Porson
971 87 Lulea
Activity type
Higher or Secondary Education Establishments
Website
Contact the organisation
Administrative Contact
Alejandro Del Real Torres
(Dr.)

RUBICO CONSULTING AB
Sweden
EU contribution
€ 336 800
Address
Aurorum 6
977 75 Lulea
Activity type
Private for-profit entities
(excluding Higher or Secondary Education Establishments)
Website
Contact the organisation
Administrative Contact
Cecilia Glover (Ms.)
<table>
<thead>
<tr>
<th>Organisation</th>
<th>Country</th>
<th>EU contribution</th>
<th>Address</th>
<th>Activity type</th>
</tr>
</thead>
<tbody>
<tr>
<td>GORENJE ORODJARNA DOO VELENJE PARTIZANSKA 12</td>
<td>Slovenia</td>
<td>€ 221 740</td>
<td>Partizanska Cesta 12, 3320 Velenje</td>
<td>Private for-profit entities (excluding Higher or Secondary Education Establishments)</td>
</tr>
<tr>
<td>OFFICINE S GIACOMO SRL</td>
<td>Italy</td>
<td></td>
<td>Via Antonio Meucci 14, 31029 Vittorio Veneto</td>
<td>Private for-profit entities (excluding Higher or Secondary Education Establishments)</td>
</tr>
<tr>
<td>ADVANTIC SISTEMAS Y SERVICIOS SL</td>
<td>Spain</td>
<td>€ 278 600</td>
<td>C Zurbano 83 Escalera, Izquierda 3A, 28003 Madrid</td>
<td>Private for-profit entities (excluding Higher or Secondary Education Establishments)</td>
</tr>
</tbody>
</table>
Administrative Contact
Jose Javier De Las Heras (Mr.)

IMC MESSSYSTEME GMBH
Germany
EU contribution
€ 489 512
Address
Voltastrasse 5
13355 Berlin
Activity type
Private for-profit entities (excluding Higher or Secondary Education Establishments)
Website
Contact the organisation
Administrative Contact
Martin Riedel (Mr.)

LITOSTROJ RAVNE PODJETJE ZA PROIZVODNJO STISKALNIC STROJNIH DELOV IN NAPRAV DOO
Slovenia
EU contribution
€ 127 000
Address
Koroska Cesta 14
2390 Ravne Na Koroskem
Activity type
Private for-profit entities (excluding Higher or Secondary Education Establishments)
Website
Contact the organisation
Administrative Contact
Brigita Paar (Mrs.)

Last update: 2 August 2019
Record number: 104632

Permalink: https://cordis.europa.eu/project/id/314304/

© European Union, 2020