Manutelligence

Project ID: 636951

Finanziato nell’ambito di: H2020-EU.2.1.5.1. - Technologies for Factories of the Future

Product Service Design and Manufacturing Intelligence Engineering Platform

Dal 2015-02-01 al 2018-01-31, progetto concluso | Manutelligence Sito web

Dettagli del progetto

<table>
<thead>
<tr>
<th>Costo totale:</th>
<th>Argomento (i):</th>
</tr>
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<tbody>
<tr>
<td>EUR 4 816 510</td>
<td>FoF-05-2014 - Innovative Product-Service design using manufacturing intelligence</td>
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<tr>
<th>Contributo UE:</th>
<th>Invito a presentare proposte:</th>
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<tr>
<td>EUR 4 267 735</td>
<td>H2020-FoF-2014 See other projects for this call</td>
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<th>Coordinato in:</th>
<th>Meccanismo di finanziamento:</th>
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<tr>
<td>Italy</td>
<td>RIA - Research and Innovation action</td>
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Obiettivo

Manutelligence targets the product-service emerging trend; aiming at providing to EU manufacturing companies:
- Efficiency in the design process, through ubiquitous cross-disciplinary collaborative management of P-S engineering knowledge across the entire life-cycle phases;
- Complete integration of Product Lifecycle Management and Service Lifecycle Management, using methodologies and tools to support cross development;
- Involvement of all the key partakers in the supply chain, including customers;
- The ability to Search, retrieve and reuse data from heterogeneous data sources during design, manufacturing, testing and usage;
- To manage, reuse and optimize designs, promoting modularity and Engineering Design Codified Knowledge, through KBE and design automation;
- Close knowledge loop cycles between design, manufacturing, testing and use of products;
- To extend and improve the use of Simulation and optimize it through comparison with test bench and real usage data;
- Precise and quick measures and simulations of Cost and Sustainability issues, through Life Cycle Cost (LCC), Life Cycle Analysis (LCA) and CO2 footprint.

To achieve these needs, ManuTelligence aims to integrate best in class methodology and tools from research and industry, resulting in a secure, cross disciplinary collaborative Product/Service Design and Manufacturing Engineering Platform. This platform will enable designers and engineers to access through natural 3D experiences to data from both the traditional enterprise IT systems (CAD, CAX, PLM, MES, etc.) and IoT enabled systems for physical products information and knowledge management. Such a platform, to have success on the market, needs to be inclusive, facilitating the cooperation and collaboration of enterprises. For this reason, it has been decided from the draft architecture, that it will have interfaces based on Open Standard (e.g. STEP and the OpenGroup QLM).

Informazioni correlate

| Sintesi delle relazioni | Periodic Reporting for period 2 - Manutelligence (Product Service Design and Manufacturing Intelligence Engineering Platform) |
**Contributo UE:** EUR 801 375

**Contributo UE:** EUR 217 375

**Contributo UE:** EUR 264 000

**Contributo UE:** EUR 196 500

**Contributo UE:** EUR 525 000

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**Coordinatore**

DASSAULT SYSTEMES ITALIA SRL
VIALE DELL INNOVAZIONE 3
20126 MILANO
Italy

**Activity type:** Private for-profit entities (excluding Higher or Secondary Education Establishments)

Contact the organisation

**Partecipanti**

FERRARI-SOCIETA' PER AZIONI ESERCIZIO FABBRICHE AUTOMOBILI E CORSE
VIA EMILIA EST 1163
41122 MODENA
Italy

**Activity type:** Private for-profit entities (excluding Higher or Secondary Education Establishments)

Contact the organisation

MEYER TURKU OY
TELAKKAKATU 1
20240 Turku
Finland

**Activity type:** Other

Contact the organisation

CENTRE CIM FUNDACIO PRIVADA
Carrer Llorens i Artigas 12
08028 Barcelona
Spain

**Activity type:** Higher or Secondary Education Establishments

Contact the organisation

POLITECNICO DI MILANO
PIAZZA LEONARDO DA VINCI 32
20133 MILANO
Italy

**Activity type:** Higher or Secondary Education Establishments

Contact the organisation
SCUOLA UNIVERSITARIA PROFESSIONALE DELLA SVIZZERA ITALIANA
STABILE LE GERRE
6928 MANNO
Switzerland
Contributo UE: EUR 0
See on map
Activity type: Higher or Secondary Education Establishments
Contact the organisation

BIBA - BREMER INSTITUT FUER PRODUKTION UND LOGISTIK GMBH
HOCHSCHULRING 20
28359 BREMEN
Germany
Contributo UE: EUR 431 485
See on map
Activity type: Higher or Secondary Education Establishments
Contact the organisation

HOLONIX SRL
CORSO ITALIA 8
20821 MEDA (MB)
Italy
Contributo UE: EUR 542 625
See on map
Activity type: Other
Contact the organisation

Teknologian tutkimuskeskus VTT Oy
VUORIMIEHENTIE 3
02150 Espoo
Finland
Contributo UE: EUR 409 500
See on map
Activity type: Higher or Secondary Education Establishments
Contact the organisation

TEKNOLOGIAN TUTKIMUSKESKUS VTT
TEKNIIKANTIE 4 A
02044 VTT ESPOO
Finland
Contributo UE: EUR 0
See on map
Activity type: Higher or Secondary Education Establishments
Contact the organisation
LINDBACKS BYGG AB
N/A
941 28 PITEA
Sweden
Contributo UE: EUR 222 500

Activity type: Other
Contact the organisation

RINA CONSULTING SPA
VIA SAN NAZARO 19
16145 GENOVA
Italy
Contributo UE: EUR 360 000

Activity type: Other
Contact the organisation

BALANCE TECHNOLOGY CONSULTING GMBH
CONTRESCARPE 33
28203 BREMEN
Germany
Contributo UE: EUR 297 375

Activity type: Other
Contact the organisation

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