SYMBIO-TIC
Project ID: 637107
Funded under: H2020-EU.2.1.5.1. - Technologies for Factories of the Future

Symbiotic Human-Robot Collaborative Assembly: Technologies, Innovations and Competitiveness

From 2015-04-01 to 2019-03-31, closed project | SYMBIO-TIC Website

Project details

<table>
<thead>
<tr>
<th>Total cost:</th>
<th>Topic(s):</th>
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<tbody>
<tr>
<td>EUR 7 223 033,25</td>
<td>FoF-06-2014 - Symbiotic human-robot collaboration for safe and dynamic multimodal manufacturing systems</td>
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<th>EU contribution:</th>
<th>Call for proposal:</th>
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<tr>
<td>EUR 6 451 703</td>
<td>H2020-FoF-2014</td>
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<th>Coordinated in:</th>
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<td>Sweden</td>
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Objective

The European robotics industry is moving towards a new generation of robots, based on safety in the workplace and the ability to work alongside humans. This new generation is paramount to making the factories of the future more cost-effective and restoring the competitiveness of the European manufacturing industry. However, the European manufacturing industry is facing the following challenges: (1) lack of adaptability, (2) lack of flexibility, and (3) lack of vertical integration.

The proposed SYMBIO-TIC project addresses these important issues towards a safe, dynamic, intuitive and cost-effective working environment while immersive and symbiotic collaboration between human workers and robots can take place and bring significant benefits to robot-reluctant industries (where current tasks and processes are thought too complex to be automated). The benefits that the project can bring about include lower costs, increased safety, better working conditions and higher profitability through improved adaptability, flexibility, performance and seamless integration.

This project is planned for 48 months with a consortium of 15 partners from 7 EU Member States.

Related information

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<th>Securing Europe’s industrial future through key enabling technologies and dedicated research partnerships</th>
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<td>Result In Brief</td>
<td>Safer human-robot collaboration for workplaces of the future</td>
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<td>Report Summaries</td>
<td>Periodic Reporting for period 2 - SYMBIO-TIC (Symbiotic Human-Robot Collaborative Assembly: Technologies, Innovations and Competitiveness)</td>
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</table>
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**EU contribution:** EUR 388 242.75

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