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The European Robotics Initiative for Strengthening the Competitiveness of SMEs in Manufacturing by integrating aspects of cognitive systems

Fact Sheet

Project Information



SMErobotics

Grant agreement ID: 287787

[Project website](#) 

Project closed

Start date

1 January 2012

End date

30 June 2016

Funded under

Specific Programme "Cooperation": Information and communication technologies

Total cost

€ 18 024 842,00

EU contribution

€ 12 149 967,00

Coordinated by

FRAUNHOFER GESELLSCHAFT
ZUR FORDERUNG DER
ANGEWANDTEN FORSCHUNG
EV



Germany

This project is featured in...



Dementia: investing against the trillion dollar disease

Project description

Cognitive Systems and Robotics

SME-suitable robots that assist in managing uncertainty by symbiotic Human-Robot-Interaction and embedded cognition

Over two-thirds of European **workers** in **manufacturing** are employed in **small and medium-sized** enterprises (SMEs). While robots are able to carry out **repetitive tasks** to a high standard, they do not meet the demands of SMEs for **high flexibility**. Cognitive abilities should be included in the equipment and **cognition** should take place in both the robot and the human. SMERobotics propose a new **work system**, in which humans and robots can together deal with SME manufacturing **uncertainties** and are **symbiotically** able to **learn** from each other and to learn from the **past handling** of uncertainties. The SMERobotics vision is to deploy such robots on SME **shop floors**, with the benefit of long-term improvements in **productivity**.

Fields of science (EuroSciVoc)

[engineering and technology](#) > [electrical engineering](#), [electronic engineering](#), [information engineering](#) > [electronic engineering](#) > [robotics](#) > [cognitive robots](#)

[social sciences](#) > [economics and business](#) > [economics](#) > [production economics](#) > [productivity](#)



Programme(s)

[FP7-ICT - Specific Programme "Cooperation": Information and communication technologies](#)

Topic(s)

Call for proposal

FP7-ICT-2011-7

[See other projects for this call](#)

Funding Scheme

[CP - Collaborative project \(generic\)](#)

Coordinator



**FRAUNHOFER GESELLSCHAFT ZUR FORDERUNG DER ANGEWANDTEN
FORSCHUNG EV**

EU contribution

€ 1 899 526,00

Total cost

No data

Address

**HANSASTRASSE 27C
80686 Munchen**

 **Germany** 

Region

Bayern > Oberbayern > München, Kreisfreie Stadt

Activity type

Research Organisations

Links

[Contact the organisation](#)  [Website](#) 

[Participation in EU R&I programmes](#) 

[HORIZON collaboration network](#) 

Participants (25)



MIVELAZ TECHNIQUES BOIS SA

 Switzerland

EU contribution

€ 50 000,00

Address

ROUTE DU SERTE 19 PRAROMAN
1724 LE MOURET 

Activity type

Private for-profit entities (excluding Higher or Secondary Education Establishments)

Links

[Contact the organisation](#) 

[Participation in EU R&I programmes](#) 

[HORIZON collaboration network](#) 

Total cost

No data



GUDEL AG

 Switzerland

EU contribution

€ 423 560,00

Address

GASWERKSTRASSE 26
4900 LANGENTHAL 

Region

Schweiz/Suisse/Svizzera > Espace Mittelland > Bern / Berne

Activity type

Private for-profit entities (excluding Higher or Secondary Education Establishments)

Links

[Contact the organisation](#)  [Website](#) 

[Participation in EU R&I programmes](#) 

[HORIZON collaboration network](#) 

Total cost

No data



TECHNISCHE UNIVERSITAET CHEMNITZ

 Germany

EU contribution

€ 85 709,00

Address

STRASSE DER NATIONEN 62

09111 Chemnitz 

Region

Sachsen > Chemnitz > Chemnitz

Activity type

Higher or Secondary Education Establishments

Links

[Contact the organisation](#)  [Website](#) 

[Participation in EU R&I programmes](#) 

[HORIZON collaboration network](#) 

Total cost

No data



BRANDENBURGISCHE TECHNISCHE UNIVERSITAT COTTBUS-SENFTEMBERG

 Germany

EU contribution

€ 87 600,00

Address

PLATZ DER DEUTSCHEN EINHEIT 1

03046 Cottbus 

Region

Brandenburg > Brandenburg > Cottbus

Activity type

Higher or Secondary Education Establishments

Links

[Contact the organisation](#)  [Website](#) 

[Participation in EU R&I programmes](#) 

[HORIZON collaboration network](#) 

Total cost

No data



FORTISS GMBH

Germany

EU contribution

€ 1 097 095,00

Address

GUERICKESTRASSE 25

80805 Munchen

Region

Bayern > Oberbayern > München, Kreisfreie Stadt

Activity type

Research Organisations

Links

[Contact the organisation](#) [Website](#)

[Participation in EU R&I programmes](#)

[HORIZON collaboration network](#)

Total cost

No data



KUKA Laboratories GmbH

Germany

EU contribution

€ 418 516,00

Address

Zugspitzstrasse 140

86165 Augsburg

Activity type

Private for-profit entities (excluding Higher or Secondary Education Establishments)

Links

[Contact the organisation](#)

[Participation in EU R&I programmes](#)

[HORIZON collaboration network](#)

Total cost

No data



KUKA SYSTEMS GMBH

 Germany

EU contribution

€ 50 000,00

Address

BLUCHERSTRASSE 144
86073 AUGSBURG 

Activity type

Private for-profit entities (excluding Higher or Secondary Education Establishments)

Links

[Contact the organisation](#) 

[Participation in EU R&I programmes](#) 

[HORIZON collaboration network](#) 

Total cost

No data



WEBER STAHL ANARBEITUNGS SERVICE

 Germany

EU contribution

€ 50 000,00

Address

ZUR TUCHBLEICH 4
54534 GROSSLITTGEN 

Activity type

Private for-profit entities (excluding Higher or Secondary Education Establishments)

Links

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[Participation in EU R&I programmes](#) 

[HORIZON collaboration network](#) 

Total cost

No data



KUKA DEUTSCHLAND GMBH

 Germany

EU contribution

€ 617 747,00

Address

ZUGSPITZSTRASSE 140

86165 Augsburg 

Region

Bayern > Schwaben > Augsburg, Kreisfreie Stadt

Activity type

Private for-profit entities (excluding Higher or Secondary Education Establishments)

Links

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[Participation in EU R&I programmes](#) 

[HORIZON collaboration network](#) 

Total cost

No data



DEUTSCHES ZENTRUM FUR LUFT - UND RAUMFAHRT EV

 Germany

EU contribution

€ 1 341 872,00

Address

LINDER HOHE

51147 Koln 

Region

Nordrhein-Westfalen > Köln > Köln, Kreisfreie Stadt

Activity type

Research Organisations

Links

[Contact the organisation](#)  [Website](#) 

[Participation in EU R&I programmes](#) 

[HORIZON collaboration network](#) 

Total cost

No data



GPS GESELLSCHAFT FUR PRODUKTIONSSYSTEME GMBH

 Germany

EU contribution

€ 786 000,00

Address

Hamletstrasse 11
70563 Stuttgart 

Activity type

Private for-profit entities (excluding Higher or Secondary Education Establishments)

Links

- [Contact the organisation](#) 
- [Participation in EU R&I programmes](#) 
- [HORIZON collaboration network](#) 

Total cost

No data



Reis GmbH & Co. KG Maschinenfabrik

 Germany

EU contribution

€ 409 459,00

Address

Walter-Reis-Strasse 1
63785 Obernburg 

Activity type

Private for-profit entities (excluding Higher or Secondary Education Establishments)

Links

- [Contact the organisation](#)  [Website](#) 
- [Participation in EU R&I programmes](#) 
- [HORIZON collaboration network](#) 

Total cost

No data



DANFOSS POWER ELECTRONICS AS

 Denmark

EU contribution

€ 14 808,00

Address

ULSNAES 1

6300 Grasten 

Region

Danmark > Syddanmark > Sydjylland

Activity type

Private for-profit entities (excluding Higher or Secondary Education Establishments)

Links

[Contact the organisation](#)  [Website](#) 

[Participation in EU R&I programmes](#) 

[HORIZON collaboration network](#) 

Total cost

No data



BILA AS

 Denmark

EU contribution

€ 129 532,00

Address

INDUSTRIVEJ 18

7900 NYKOBING MORS 

Activity type

Private for-profit entities (excluding Higher or Secondary Education Establishments)

Links

[Contact the organisation](#) 

[Participation in EU R&I programmes](#) 

[HORIZON collaboration network](#) 

Total cost

No data



TEKNOLOGISK INSTITUT

 Denmark

EU contribution

€ 1 816 250,00

Address

GREGERSENSVEJ 1
2630 Taastrup 

Region

Danmark > Hovedstaden > Københavns omegn

Activity type

Research Organisations

Links

[Contact the organisation](#)  [Website](#) 

[Participation in EU R&I programmes](#) 

[HORIZON collaboration network](#) 

Total cost

No data



DESARROLLOS MECANICOS DE PRECISION SL

 Spain

EU contribution

€ 48 800,00

Address

POLIGONO INDUSTRIAL PLAZA
20850 MENDARO 

Activity type

Private for-profit entities (excluding Higher or Secondary Education Establishments)

Links

[Contact the organisation](#)  [Website](#) 

[Participation in EU R&I programmes](#) 

[HORIZON collaboration network](#) 

Total cost

No data



FUNDACION TEKNIKER

 Spain

EU contribution

€ 197 307,00

Address

CALLE INAKI GOENAGA 5
20600 Eibar Guipuzcoa 

Region

Noreste > País Vasco > Gipuzkoa

Activity type

Research Organisations

Links

[Contact the organisation](#)  [Website](#) 
[Participation in EU R&I programmes](#) 
[HORIZON collaboration network](#) 

Total cost

No data



COMAU SPA

 Italy

EU contribution

€ 822 508,00

Address

VIA RIVALTA 30
10095 Grugliasco 

Region

Nord-Ovest > Piemonte > Torino

Activity type

Private for-profit entities (excluding Higher or Secondary Education Establishments)

Links

[Contact the organisation](#)  [Website](#) 
[Participation in EU R&I programmes](#) 
[HORIZON collaboration network](#) 

Total cost

No data



FONDAZIONE DEMOCENTER - SIPE

 Italy

EU contribution

€ 21 750,00

Address

VIA VIVARELLI 2

41125 Modena 

Region

Nord-Est > Emilia-Romagna > Modena

Activity type

Research Organisations

Links

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[Participation in EU R&I programmes](#) 

[HORIZON collaboration network](#) 

Total cost

No data



BUCHER HYDRAULICS SPA

 Italy

EU contribution

€ 64 575,00

Address

via Colletta 5

42124 Reggio Emilia 

Activity type

Private for-profit entities (excluding Higher or Secondary Education Establishments)

Links

[Contact the organisation](#) 

[Participation in EU R&I programmes](#) 

[HORIZON collaboration network](#) 

Total cost

No data



SARKKIS - ROBOTICS LDA

 Portugal

EU contribution

€ 68 933,00

Address

RUA ALFREDO ALLEN 455 461

4200-135 PORTO 

Region

Continente > Norte > Área Metropolitana do Porto

Activity type

Private for-profit entities (excluding Higher or Secondary Education Establishments)

Links

[Contact the organisation](#) 

[Participation in EU R&I programmes](#) 

[HORIZON collaboration network](#) 

Total cost

No data



INESC TEC - INSTITUTO DE ENGENHARIA DE SISTEMAS E COMPUTADORES, TECNOLOGIA E CIENCIA

 Portugal

EU contribution

€ 61 481,00

Address

RUA DR ROBERTO FRIAS CAMPUS DA FEUP

4200 465 Porto 

Region

Continente > Norte > Área Metropolitana do Porto

Activity type

Research Organisations

Links

[Contact the organisation](#)  [Website](#) 

[Participation in EU R&I programmes](#) 

[HORIZON collaboration network](#) 

Total cost

No data



NORFERSTEEL - CONSTRUÇOES E METALOMECANICA, S.A.

Portugal

EU contribution

€ 119 053,00

Address

RUA COMENDADOR ARLINDO SOARES DE PINHO 1910 LUGAR DE LORDELO
3730 404 VALE DE CAMBRA

Activity type

Private for-profit entities (excluding Higher or Secondary Education Establishments)

Links

[Contact the organisation](#)

[Participation in EU R&I programmes](#)

[HORIZON collaboration network](#)

Total cost

No data



MAX IV Laboratory, Lund University

Sweden

EU contribution

€ 1 417 886,00

Address

Paradisgatan 5c
22100 LUND

Region

Södra Sverige > Sydsverige > Skåne län

Activity type

Higher or Secondary Education Establishments

Links

[Contact the organisation](#) [Website](#)

[Participation in EU R&I programmes](#)

[HORIZON collaboration network](#)

Total cost

No data



TOFAS TURK OTOMOBIL FABRIKASI ANONIM SIRKETI

 Türkiye

EU contribution

€ 50 000,00

Address

BUYUKDERE CAD TOFAS HAN 145 KAT 4-5 ZINCIRLIKUYU
34394 Sisli, Istanbul 

Region

İstanbul > İstanbul > İstanbul

Activity type

Private for-profit entities (excluding Higher or Secondary Education Establishments)

Links

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[Participation in EU R&I programmes](#) 

[HORIZON collaboration network](#) 

Total cost

No data

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Permalink: <https://cordis.europa.eu/project/id/287787>

European Union, 2025