Applied agile assembly

Fact Sheet

Project Information

A3

Grant agreement ID: 29667

Project closed

Start date
1 June 2006

End date
31 May 2009

Funded under
Human resources and Mobility in the specific programme for research, technological development and demonstration "Structuring the European Research Area" under the Sixth Framework Programme 2002-2006

Total cost
No data

EU contribution
€ 384 273,00

Coordinated by
INTEGRATORS OF ROBOTIC SYSTEMS - INTROSYS S.A.
Portugal

Objective

The project goals are to study, develop, and verify new approaches for achieving sustainable assembly for European SMEs. The academic partners have already proposed a new theoretical approach which is to be developed into a feasible industrial approach and validated through the course of the project.

The approach is called Evolvable Assembly Systems (E.A.S.) and is to be

industrialised within a real industrial scenario with IntRoSys SA, a Portuguese SME. The second goal of the project is to ensure that new knowledge, methods, and tools are exchanged between the academic partners and industry. The partners will also strive to form synergies between this project and other national and 6th Framework Integrated Projects.

The topic will require a multi-disciplinary approach, which is also the core issue of the adopted approach, E.A.S.
- Create a strategic partnership between IntRoSys SA and selected EU academic and research departments, primarily KTH, EPFL, UNINOVA and UNOTT.
- Exchange knowledge and experienced researchers, during and beyond the course of the proposed project, to form a core competence group in the given subject.
- Development of knowledge and application know-how, for the application, verification and update of new approaches for agile assembly, within academia and industry.
- Combining new IT solutions to novel assembly system development methodologies (inter-sectorial).
- Produce a lasting collaboration which stretches beyond the given set of partners, both locally (to other personnel of partners) and externally (collaboration with other European and national projects).

Keywords

Multiagent control | evolvable assembly | sustainability

Programme(s)

FP6-MOBILITY - Human resources and Mobility in the specific programme for research, technological development and demonstration "Structuring the European Research Area" under the Sixth Framework Programme 2002-2006

Topic(s)

MOBILITY-1.3.2 - Marie Curie Host Fellowships - Transfer of knowledge (TOK) - Industry-Academia Strategic Partnership Scheme

Call for proposal

FP6-2004-MOBILITY-3
See other projects for this call

Funding Scheme

TOK - Marie Curie actions-Transfer of Knowledge

Coordinator

INTEGRATORS OF ROBOTIC SYSTEMS - INTROSYS S.A.

EU contribution

No data

Total cost

No data

Address

Campus da FCT/UNL, Edificio UNINOVA, Qt. da Torre
MONTE DE CAPARICA
Portugal

Participants (4)

ECOLE POLYTECHNIQUE FÉDÉRALE DE LAUSANNE

Switzerland

EU contribution

No data

Address

Station 17
LAUSANNE

Links

Contact the organisation Website
HORIZON collaboration network

Total cost

No data

KUNGL TEKNISKA HÖGSKOLAN

Sweden

EU contribution

No data

Address

STOCKHOLM

Links

Contact the organisation Website

HORIZON collaboration network

Total cost

No data

UNINOVA - INSTITUTO DE DESENVOLVIMENTO DE NOVAS TECNOLOGIAS

Portugal

EU contribution

No data

Address

Quinta da Torre
MONTE DA CAPARICA

Links

Contact the organisation Website

HORIZON collaboration network

Total cost

No data

UNIVERSITY OF NOTTINGHAM

United Kingdom

EU contribution

No data

Address

University Park
NOTTINGHAM

Links

Contact the organisation Website
HORIZON collaboration network

Total cost

No data

Last update: 20 November 2007

Permalink: https://cordis.europa.eu/project/id/29667