**DEPLOY**  
**Project reference:** 214158  
**Funded under:** FP7-ICT

**Industrial Deployment of Advanced System Engineering Methods for High Productivity and Dependability**

**From** 2008-02-01 **to** 2012-04-30

**Project details**

<table>
<thead>
<tr>
<th><strong>Total cost:</strong></th>
<th><strong>Topic(s):</strong></th>
</tr>
</thead>
<tbody>
<tr>
<td>EUR 18 700 469</td>
<td>ICT-2007.1.2 - Service and software architectures, infrastructures and engineering</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th><strong>EU contribution:</strong></th>
<th><strong>Call for proposal:</strong></th>
</tr>
</thead>
<tbody>
<tr>
<td>EUR 12 403 399</td>
<td>FP7-ICT-2007-1</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th><strong>Coordinated in:</strong></th>
<th><strong>Funding scheme:</strong></th>
</tr>
</thead>
<tbody>
<tr>
<td>United Kingdom</td>
<td>CP - Collaborative project (generic)</td>
</tr>
</tbody>
</table>

**The overall aim of the DEPLOY Integrated Project is to make major advances in engineering methods for dependable systems by deploying formal engineering methods.**

The overall aim of the DEPLOY Project is to make major advances in engineering methods for dependable systems through the deployment of formal engineering methods. Formal engineering methods enable greater mastery of complexity than do traditional software engineering processes. It is the central role played by mechanically-analysed formal models throughout the system development that enables mastery of complexity. As well as leading to big improvements in system dependability, greater mastery of complexity also leads to greater productivity by reducing the expensive test-debug-rework cycle and by facilitating increased reuse of software. The work of the project will be driven by the tasks of achieving and evaluating industrial take-up, initially by DEPLOY's industrial partners, of DEPLOY's methods and tools, together with the necessary further research on methods and tools. The industrial deployment will be in five sectors each of which is key to the future of European industry and society: automotive, rail transportation, space systems, business information and pervasive telecoms. DEPLOY will deliver methods and tools that:

- Will support the rigorous engineering of complex resilient systems from high level requirements down to software implementations via specification, architecture and detailed designs;
- Will support the systematic reuse and adaptation of models and software thus addressing industry's requirement for high productivity and requirements evolution;
- Will have been field-tested in and adapted for a range of industrial engineering processes;
- Will be accompanied by deployment strategies for a range of industrial sectors;
- Will be based on an open platform (Eclipse) and will themselves be open.

The project will be structured into 15 WPs: 5 WPs on industrial deployment, one in each of the 5 sectors, 3 methodological R&D WPs, a tooling R&D WP, a technology transfer WP, a measurement WP, 2 management WPs and 2 dissemination & exploitation WPs.
Objective

The overall aim of the DEPLOY Project is to make major advances in engineering methods for dependable systems through the deployment of formal engineering methods. Formal engineering methods enable greater mastery of complexity than do traditional software engineering processes. It is the central role played by mechanically-analysed formal models throughout the system development that enables mastery of complexity. As well as leading to big improvements in system dependability, greater mastery of complexity also leads to greater productivity by reducing the expensive test-debug-rework cycle and by facilitating increased reuse of software. The work of the project will be driven by the tasks of achieving and evaluating industrial take-up, initially by DEPLOY's industrial partners, of DEPLOY's methods and tools, together with the necessary further research on methods and tools. The industrial deployment will be in five sectors each of which is key to the future of European industry and society: automotive, rail transportation, space systems, business information and pervasive telecoms. DEPLOY will deliver methods and tools that:

- Support the rigorous engineering of complex resilient systems from high level requirements down to software implementations via specification, architecture and detailed designs;
- Support the systematic reuse and adaptation of models and software thus addressing industry's requirement for high productivity and requirements evolution;
- Have been field-tested in and adapted for a range of industrial engineering processes;
- Will be accompanied by deployment strategies for a range of industrial sectors, and will themselves be open.

The project will be structured into 15 WPs: 5 WPs on industrial deployment, one in each of the 5 sectors, 3 methodological R&D WPs, a tooling R&D WP, a technology transfer WP, a measurement WP, 2 management WPs and 2 dissemination & exploitation WPs.

Related information

<table>
<thead>
<tr>
<th>Top Stories</th>
<th>Documents and Publications</th>
</tr>
</thead>
<tbody>
<tr>
<td>Feature Stories - Keep it simple: bring software complexity under control</td>
<td></td>
</tr>
<tr>
<td>Final Collaboration Report</td>
<td></td>
</tr>
<tr>
<td>Final Report &quot;Enlarged EU&quot;</td>
<td></td>
</tr>
<tr>
<td>Final Assessment and Integration Results</td>
<td></td>
</tr>
<tr>
<td>DEPLOY HOW TO guide for managers</td>
<td></td>
</tr>
<tr>
<td>Newsletter 8</td>
<td></td>
</tr>
<tr>
<td>Model construction tools and analysis tools IV</td>
<td></td>
</tr>
<tr>
<td>Final report D6.6</td>
<td></td>
</tr>
<tr>
<td>DEPLOY project 214158 Deliverable D15.5 final Dissemination Exploitation Report</td>
<td></td>
</tr>
</tbody>
</table>

Coordinator

UNIVERSITY OF NEWCASTLE UPON TYNE
Claremont Tower
Claremont Road -1008
NE1 7RU-Newcastle upon Tyne
United Kingdom

Administrative contact: Alexander Romanovsky
Tel.: +44 191 2228135
Fax: +44 191 2228788
E-mail

Participants
CENTRE D'EXCELLENCE EN TECHNOLOGIES DE L'INFORMATION ET DE LA COMMUNICATION
Rue des frères wright
6041 CHARLEROI
Belgium
Administrative contact: Pierre Guisset
Tel.: +32 71 91 98 00
Fax: +32 71 91 98 02
E-mail

EIDGENOESSISCHE TECHNISCHE HOCHSCHULE ZURICH
Raemistrasse
8092 ZUERICH
Switzerland
Administrative contact: Peter Chen
Tel.: +41 44 6322039
Fax: +41 44 6321592
E-mail

HEINRICH-HEINE-UNIVERSITAET DUESSELDORF
UNIVERSITAETSSTRASSE 1
40225 DUESSELDORF
Germany
Administrative contact: Uwe Droste
Tel.: +49 211 8110710
Fax: +49 21 8110712
E-mail

ROBERT BOSCH GMBH
Robert-Bosch Platz
70839 GERLINGEN-SCHILLERHOEHE
Germany
Administrative contact: Mandy Kanig
Tel.: +49 5121 495363
Fax: +49 711 8111052
E-mail

SAP AG
DIETMAR HOPP ALLEE
69190 WALLDORF
Germany
Administrative contact: Frank Gottfried
Tel.: +49 6227 746998
Fax: +49 6227 782216
E-mail

ABO AKADEMI
DOMKYRKOTORGET
20500 ABO
Finland
Administrative contact: Jari Vuorijoki
Tel.: +358 2 215 3437
Fax: +358 2 215 3477
E-mail
SPACE SYSTEMS FINLAND OY
KAPPELITIE 6
02200 ESPOO
Finland
Administrative contact: Mika Jahkola
Tel.: +358 9 6138622
Fax: +358 9 61328699

SIEMENS TRANSPORTATION SYSTEMS SAS
150 AVENUE DE LA REPUBLIQUE
92320 CHATILLON
France
Administrative contact: Daniel Dolle
Tel.: +33 149 657139
Fax: +33 149657055
E-mail

SYSTEREL SARL
LES PORTES DE L'ARBOIS A, 1090 RUE RENE DESCARTES
13857 AIX EN PROVENCE CEDEX 3
France
Administrative contact: Jacques Boulay
Tel.: +33 4 42904120
Fax: +33 4 429041209
E-mail

CLEARSY SAS
AVENUE ARCHIMEDE, ZAC DE LA DURANNE, LES PLEIADES III A
13857 AIX EN PROVENCE
France
Administrative contact: Jean-Philippe Pitzalis
Tel.: +33 4 42 37 10
Fax: +33 4 42 37 12
E-mail

UNIVERSITATEA DIN PITESTI
TARGUL DIN VALE
110040 PITESTI
Romania
Administrative contact: Florentin Eugen Ipate
Tel.: +40721216565
Fax: +40721216565
E-mail

UNIVERSITATEA DIN BUCURESTI
MIHAIL KOGALNICEANU
050107 BUCURESTI
Romania
Administrative contact: Gheorghe Stefanescu
Tel.: +40722692178
Fax: +40213131760
E-mail
Subjects

Electronics and Microelectronics - Information and communication technology applications - Information Processing and Information Systems - Telecommunications

Last updated on 2014-09-09
Retrieved on 2016-01-25

© European Union, 2016