EXECUTIVE SUMMARY

Provide SMEs with system level modelling tools for the design and implementation of time and power critical, heterogeneous embedded systems to allow SMEs to build cost-efficient ambient intelligence systems with reduced time to market.

RELEVANCE CALL 2008 OBJECTIVES

SYSMODEL addresses SP5 on Computing environments for embedded systems. The focus is on the development of modelling concepts, methods and tools that master system’s complexity by allowing cost-efficient mapping of applications and product variants onto an embedded platform; while respecting constraints in terms of resources, safety, security and quality of service.

MARKET INNOVATION

SYSMODEL’s potential impact is high since even a small improvement in the methodology used for embedded systems design by SMEs could result in a considerable improvement of their competitiveness and effectiveness. The SystemC based modelling framework will define rules for expressing different Models of Computation and rules for composing these into a system with a well defined behaviour. The initial focus is on applications mastered by the SMEs directly involved in the project, i.e. RFID, wireless systems, telecom, VoIP and audiology applications. It is expected that high level system modelling tools could increase the design productivity by 30% in these SMEs.

TECHNICAL INNOVATION

Though SYSMODEL aims at developing general system-level models, the actual development will be based on real verification cases taken from the core group of SMEs. This will ensure that focus is on actual needs from SMEs and the pilots will serve as test cases for validating the developed methodology.

The deliverables offered to the SMEs from SYSMODEL include:

A modelling methodology described in a 'How to do system level performance modeling' manual.

Open source point tool prototypes usable for the performance modelling and analysis.

A number of SME verification case studies that illustrate this methodology.

A comprehensive training programme taking the SMEs from awareness level through in depth training to on-line tutorials.

PROJECT COORDINATOR

Ivan Ring Nielsen
Technoconsult ApS
irn@technoconsult.dk

WEBSITE

www.sysmodel.eu

START

January 2009

DURATION

36 months

TOTAL INVESTMENT

5,4 M€

PARTICIPATING ORGANISATIONS

10

NUMBER OF COUNTRIES

4

DENMARK

NORWAY

FINLAND

SWEDEN

Yvonne van Hattum (ARTEMIS-IA)
From: Ivan Ring Nielsen <irn@technoconsult.dk>
Sent: 30 August 2011 12:59
To: Yvonne van Hattum (ARTEMIS-IA)
Subject: SV: Project Poster and Leaflet SYSMODEL

Dear Yvonne,

Thanks for your reminder. I only have a few updates for the posters:

Participating organizations: 11

 Participating organizations: 10

SIB Development logo to be replaced by the attached AuditData logo

We will also bring our own poster with more recent results added.

Best wishes

Ivan

Fra: Yvonne van Hattum (ARTEMIS-IA) [mailto:yvonne.van.hattum@artemis-ia.eu]
Sendt: 25. august 2011 15:11
Til: irn@technoconsult.dk
Emne: Project Poster and Leaflet SYSMODEL

Dear Mr. Ivan Ring Nielsen,

I would like to check with you whether you expect an update of the content of the SYSMODEL project poster and leaflet for the upcoming Co-summit event. We will reprint the poster and leaflets anyways because there is a new corporate image for the event. The existing poster and leaflet produced last year are available for viewing on the Community website.

Looking forward to hear from you.

Yvonne van Hattum
Event & Office Manager
ARTEMIS Industry Association