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Editorial...

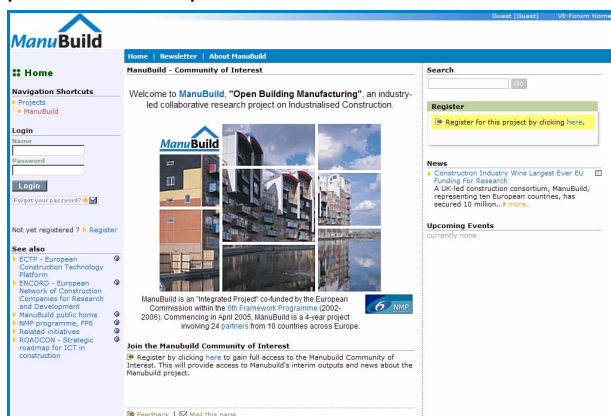
Welcome...

to the second ManuBuild Newsletter. This time we would like to inform you about the official launch of the Community of Interest, first achievements as well as current and planned activities for the next period of the project.

All newsletters (current and past versions) are additionally available at the official [project web site](http://www.manubuild.org) at www.manubuild.org, the entrypoint to all information related to ManuBuild.

Community of Interest

The ManuBuild Community of Interest (CoI) is an open forum for interested parties involved in the construction process covering both the public and the private sector.



Homepage of the Community of Interest

Its aim is to ensure that interim project results are distributed to a wide audience of stakeholders and to gather feedback and further reflection.

Join the ManuBuild Community of Interest: follow the link to www.manubuild.net and register today – it is free, quick and easy.

Stakeholder requirements

During the first six months of the project the main focus of activity was to capture and analyse all relevant stakeholder requirements according to the different geographical areas in Europe and stakeholder profiles (i.e. architects, construction companies, suppliers but also public administrations etc.) that are involved in the construction processes. The purpose was to ensure that the main research and development workpackages of ManuBuild are able to cover all relevant and critical aspects for all stakeholders across Europe. To this end partners from nine different countries have been thoroughly investigating stakeholder requirements in their cultural and language area. Additional comparisons to other major markets like the USA have been conducted in parallel.

The information has been gathered via interviews based on an open holistic questionnaire consisting of five main parts addressing the

- general aspects of ManuBuild,
- specifics on concepts of building and
- new technologies (including ICT),
- different stakeholder profiles and
- general issues of the construction sector

By now all interviews have been successfully concluded and the information gathered is currently being analysed in detail and prepared for publication through the ManuBuild web site.

Current activities

While the focus of the first six months was primarily on capturing and analysing stakeholder requirements, the activities of the next period will mainly focus on the following research and development related issues:

Architecture of manufactured buildings

Define open system concepts for manufactured buildings aiming at flexible architecture and suitability for customisation. Investigate new multifunctional materials for components and connections.

Value-driven business processes

Develop the underlying performance metrics for new business processes driven by the perceived values of customers and other stakeholders.

Ambient Manufacturing methods

Investigate new manufacturing technologies for adaptation by construction industry in high

volume production lines as well as in flexible mobile factories.

ICT support

Define system architecture to support distributed building manufacturing. Specify key tools like intelligent component catalogues.

Roadmapping

Starting from the initial workplan develop a roadmap towards European-wide industrial implementation. Assess interdependencies and complementarities of ManuBuild and other related initiatives.

Exploitation planning

Define usage scenarios for exploitation and assess potential impacts.

Demonstrations

Define scenarios for full scale building demonstrators to be carried out during the latter half of the project.

European Construction Technology Platform

ManuBuild partners also actively participate in the ECTP (www.ectp.org) defining the strategic research directions for the construction sector.

Partners

The ManuBuild Consortium consists of 24 partners from 10 countries in Europe:

Corus Group (UK), www.corusgroup.com
(Coordinator)

VTT Technical Research Centre of Finland (FI),
www.vtt.fi, (Technical Coordinator)

Dragados S.A. (ES), www.grupoacs.com
Empresa Municipal de la Vivienda, SA. (ES),
www.emv.es

FCC Construcción S.A. (ES), www.fcc.es
Fraunhofer Institut für Arbeitswirtschaft und
Organisation (IAO) (DE),
www.rdm.iao.fraunhofer.de

Mostostal Warszawa S.A. (PL),
www.mostostal.waw.pl

NCC Construction Sverige AB (SE), www.ncc.se
Taylor Woodrow Construction Ltd. (UK),
www.taylorwoodrow.com

YIT Construction Ltd. (FI), www.yit.fi

Universidad Carlos III de Madrid (ES),
www.uc3m.es

Construction Industry Research and Information
Association (CIRIA) (UK), www.ciria.org.uk

Consolis Oy Ab (FI), www.consolis.com

Enterprie Software Ltd. (FI),
www.enterprie.com

Graphisoft R&D Rt (HU), www.graphisoft.com

Building Research Institute (PL), www.itb.pl

IVF Industrial Research and Development Corp.
(SE), www.ivf.se

Fundación Labein (ES), www.labein.es

Nuova Quasco (IT), www.quasco.it

Saint-Gobain Isover West Europe (FR),
www.isover.com

TNO Building and Construction Research (NL),
www.bouw.tno.nl

Technische Universität München (DE),
www.bri.ar.tum.de

University of Salford (UK), www.salford.ac.uk

Institut für Arbeitswissenschaft und
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**For further information,
please visit the official web site
www.manubuild.org**

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Open Building Manufacturing

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