

## FIMECC CONTINUES LARGE SCALE OPEN INNOVATION GROWTH Almost 200M€ PPP investment in metals and engineering industry renewal

FIMECC Ltd has launched three new research programs making the total FIMECC R&D&I investment to be almost 200 M€ between 2009-2014. Finnish Funding Agency for Technology and Innovation (Tekes) supports the programs with ca. 50 per cent funding. The new programs are: Energy and life-cycle efficient machines, Demanding applications, and Global processes for high variety production. More than 100 organizations work cross-disciplinary and value chain wide in FIMECC programs and make open innovation implementation reality by sharing IPR.

FIMECC Ltd. is Finnish Metals and Engineering Competence Cluster (strategic centre for science, technology and innovations).

**Energy and life-cycle efficient machines** program target is to develop new technology and solutions that enable new machines, devices and systems with dramatically lower life cycle costs – and especially lower energy consumption - than what is the international state-of-the-art of today. The program has three work packages: Low energy consumption and environmental emissions, technologies for life-cycle cost management, and human compatible multi-machine systems.

**Demanding applications** program 's goal is to develop solutions for applications which have demanding environmental or operational conditions such as wear intensive or corrosive environments, service in extreme conditions, friction and energy-using and mixture of these conditions. The knowledge of material behavior in demanding conditions will be increased, knowledge of material selection according to service conditions is improved, and new materials will be developed and tested.

**Global processes for high variety production** program aims to manage the complexity that is a challenge to the life-cycle management of product platforms and modular systems. Research topics include how to adapt existing theories of business, networking organizations, product processes and virtual engineering into new environments, to test these in industrial case studies, and to synthesize gathered experience and summarize them as best practices of global processes. The program is a significant step in defining world-class cost efficient manufacturing of high product variety.

FIMECC Ltd. is owned by major metals and engineering companies (e.g. ABB, Cargotec, Metso, KONE, Outotec) and Finnish research institutes. FIMECC Ltd. is open innovation company, whose ownership and participation is open to all players in the development of metals and engineering sector. **FIMECC Ltd. is actively searching for partners all over the world to co-create new knowledge.**

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