

Tampere, Finland, 07.06.2013

### Letter of intent

**Re:** Call ERA-NET ERA-MIN: "Sustainable and responsible supply of primary resources".

This is to express the willingness of the Tampere University of Technology (TUT), Department of Automation Science and Engineering (ASE) to propose and coordinate a project under the above mentioned Call, with activity with the following theme:

### **Online optimization and control of crushing processes for sustainable production of primary materials**

**Topic:**

**Minerals processing**

**TUT** was established in 1965 and is a home university for 10000 undergraduate and postgraduate students. TUT has a strong research tradition in natural sciences, engineering and fields related to industry and business. The represented research fields play a key role in addressing global challenges, such as climate change.

Web site: [www.tut.fi](http://www.tut.fi)

**ASE** has a long tradition of international research projects in the area of process control. Since the beginning of seventies, ASE has been the leading national and important international research partner for major companies in the energy and forest-based industries. Recently, more focus has been placed to the rapidly growing fields (in Finland) such as mineral processing and mining industry. Since 2008, ASE has performed research on cone crusher control and optimization. The encouraging results and observed substantial improvement potential give us motive to expand the scope of research to the other unit operation within crushing and HPRG circuits.

Web site: [www.tut.fi/ase](http://www.tut.fi/ase)

We would be obliged if you kindly take into consideration our express of interest.

With best regards,

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