

TECHNOLOGY DEVELOPMENT AS KEY IN TECHNOLOGY PROVIDING BUSINESS

Presented by Dr. Peter Weber

Dr. Nikola ANASTASIJEVIC

Outotec GmbH, Vice president R/D, Ludwig-Erhard-Str. 21, 61440, Oberursel, Germany, nikola.anastasijevic@outotec.com

Mr. Peter Sturm (a), Dr. Peter Weber (b)

(a) Outotec GmbH

(b) Outotec GmbH

The availability of mineral resources has been one of the key element for the development of our civilization. The growth of standard of living worldwide increases the rapid demand for these materials. To secure sustainability and growth it is necessary:

(i) to permanently improve efficiency of usage of available reserves in ores, minerals, oil, water...

(ii) to make currently available, yet not used, resources technologically and cost wise accessible.

(iii) to introduce and boost usage of alternative materials and energy sources.

(iv) to optimize usage of resources through recycling and application of heat recovery systems.

(v) to minimize emissions of industrial processes to air, water and soil.

The technology development is the common tool to be used to fulfill these targets.

With its logo "More Out of Ore" OUTOTEC has a long record in successful pursuing of these targets. It is proved in more then 2000 industrial plants delivered yet, not limited but based on the following technology platforms:

a) Fluidization (fluidized bed),

b) Agglomeration and

c) Gas processing.

Our wide technological portfolio for the industrial implementation is based on the strong scale-up know-how, the lab and pilot scale test facilities operated in the research centers in Frankfurt and Pori and a sustainable systematic R&D work. These elements are the best basics for the development of new technologies including such for processing of non-conventional hydrocarbons.