EDUCATION AND TRAINING OF EXPLOSIVE SPECIALISTS

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ABSTRACT

Life-long maintaining and development of competence is necessary in all industrial sectors and especially in the explosives industry. There are three large problems concerning education of experts in the Swedish explosives industry: the small industrial sector, the cost and the complex problem area. It is necessary to organize a new type of education for the explosives industry.

The traditional type of education is, with very few exceptions, impossible to use. There are many reasons for this statement and the main reason is the cost. Another reason is the size and the organisation of the Swedish explosives industry. The number of employees is today approximately 2500 including the administration and the service sector. There are also many small companies and some of these companies are very small. A combination of the traditional education and a new internet-based education seems to be the only realistic alternative now and in the future.

Future society will be very dependent on highly sustainable environmental standards, where recycling and reuse of all type of available resources is fundamental. This will create a need for new education and curricula in order to meet the request. European transnational cooperation - in research and education - between universities is the fundament and key for building a sustainable future for the world.

The Bologna Process will completely change the university education system in Sweden as well as in the rest of Europe. The new system will be introduced in Sweden and in most European countries in a few years. This opens a possibility to design an international education of experts in the explosives industry.