

## European Explosives Network for Explosive education and Certification of skills



## New Irish partner joins EUEXNet

### Irish Industrial Explosives Ltd. is becoming the thirteenth member of EUEXNet

Irland is soon to be represented in EUEXNet via Irish Industrial Explosives Ltd. Below follows a presentation of the company and its working procedures.



Irish Industrial Explosives Ltd. is a company with more than 40 years experience in the manufacture, distribution and application of explosive products to the quarrying, mining and civil engineering industries throughout Ireland.

Established in 1964, the company has developed its manufacturing capability from cartridged nitroglycerine based explosives in 1967, through cartridged MAN water gel explosive technology to today's current range of bulk and cartridged emulsion explosives.



### Facility location

The manufacturing facility is located in the area of Enfield, approximately 30 Kms from the city of Dublin. Emulsion

matrix (ANE), cartridged emulsion and ANFO are all manufactured within the sites modern production facilities.

The company has long associations with the Federation of European Explosives Manufacturers and SAFEX at European level and globally respectively.

### Distribution

The companies' distribution network has been progressively expanded over the years. Products are now dispatched daily from four strategically positioned locations throughout Ireland. Each site has a fleet of bulk trucks that dispatch non-explosive bulk materials along with blasting accessories.

At the customer's site, the manufacturing process fitted to the trucks blends the ingredients to produce a material that is sensitised as it is pumped into the holes prepared for blasting. The product then becomes an explosive approximately 20 minutes after loading into the boreholes.

Prior to the delivery and loading of explosives, engineers will have previous-

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Next EUEXNet  
Conference  
30th Sept - 1st Oct  
2010  
Lonato, Italy



### Links:

- <http://euexnet.blogspot.com>
- [www.euexcet.org](http://www.euexcet.org)
- [www.kcem.se](http://www.kcem.se)
- <http://www.nitrex.it/eu-excet>
- <http://mi.ttu.ee/euexnet>
- <http://www.euexnet.lu.lv/>
- <http://iexpe.org/about/euexcet-and-iexpe>
- <http://www.upce.cz/fcht/uem/spoluprace/euexcet-esseem.html>

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ly visited the site and surveyed the quarry face. This requires meticulous measurements using lasers to plot the shape of the quarry face in order that precise instructions can be given for the location, diameter, depth and angle at which holes must be drilled.

When this is complete, the locations and quarry face are re-surveyed. Holes are checked for deviation using probes to ensure that there is sufficient burden of rock in front of the explosives charge and sufficient spacing between drill holes such that rock shall not be unduly projected when the blast is initiated.



The overall result of each blast is dependant upon all of these factors being appropriately considered, along with the loading density and strength of explosives used, the detonator initiation timing and stemming (sealing them) of the holes prior to initiation.

### Safety

Safety is recognised as being critical for the sustainability of the business and is therefore fundamental within our operating environment.

With our operations being as they are, it is easy to understand the company's interest in partnering within the EUExcert program.

The development of safety critical competence assessment schemes will benefit us, the industry and the European Union as a whole.

Irish Industrial Explosives has actively participated in the deve-

lopment of competence based explosives shot-firing and explosives supervision programs and delivers these on an on-going basis through our Approved Trainers and Assessors.

These operate within the Quarry Skills Certification Scheme (QSCS) in Ireland. The aims and benefits of the QSCS are to provide opportunities for participants to become competent, confident and committed in applying the skills, knowledge and attitude that are associated with their occupations in Quarrying

Work has also commenced on developing internal certified competence at all levels throughout the company.



## Some Short News

- Please find at [www.euexcert.org](http://www.euexcert.org) a new link to our sister project **ESSEEM**, which stands for European Shotfirer Standard Education for Enhanced Mobility.

The aim with the project is to harmonize and enhance the education and training of shotfirers in Europe.

The project will lead to an overall better safety in connection with blasting works and improved mobility of labour force and staff.

The project [www.esseem.eu](http://www.esseem.eu) is a continuation of the EUExcert projects.

- On [www.euexcert.org](http://www.euexcert.org) you will also find a link to UK occupational standards for explosives handling.
- HI-PLAN in Finland has signed a letter of Intent and Declaration of

support for the EUExNet /EUExcert projects.

- Institute of Biochemistry in Vilnius, Lithuania (BchI) has signed a Letter of Intent and Declaration of support for the EUExNet/ EUExcert projects

- Discussions about future cooperation are in progress with several countries both inside EU and also outside EU.

- The following countries have produced web pages within the EUExcert/EUExNet projects:

- Czech Republic
- Estonia
- Italy
- Latvia
- Sweden
- UK

Web addresses are found at the front page in this Newsletter as well as at [www.euexcert.org](http://www.euexcert.org)

## Summer Greetings



We wish you all a nice and relaxing vacation!

See you in Italy late September.

*Hans Wallin*  
KCEM, Sweden