



The web-based learning network eTRIO within the technology industry assembles learning institutes and companies within metal industry into a cooperation network dedicated to web-based learning. The network benefits from the top expertise gained nationally in the areas of pedagogics and information technology. The objective is to develop and provide training material and education to meet the needs of both companies and learning institutes, as well as to develop rules of the game, ways of working and tools to facilitate a more flexible and efficient cooperation.

The endeavours of eTRIO network focus on brainstorming new models for educating student groups in companies and educational institutes and on piloting new innovative forms of education, e.g. mobile learning, games and simulations, communal learning and on-the-job or on-the-project learning. The network experiments with various learning environment platforms aims at creating best practices that will be applicable to any material, independent of the platform used. This will enhance the reusability of learning materials.

As examples of the new learning environments that have been created as outcome of the eTRIO cooperation can be mentioned the eTRIO network game and the FMS driving licence training.

### eTRIO network game

The Finnish corporate life has come to a turning point. The globalisation of work

has put pressure on focusing on core competence and on outsourcing corporate functions, and this has led to a tighter cooperation between companies. Thus, the production of an end-product or -service requires contribution from a multitude of organisations, which, as a network, create and produce the product or service concept. The same challenges are faced in the development of expertise, where networks have started to develop between educational institutes, research organisations and companies.

Playing the eTRIO network game will not only benefit entrepreneurs and companies contributing to the network, but also educational institutes. The game can be used to adopt concepts of network-like operations and to acquire an overall understanding of how networks function. Students or teachers within educational institutes can play the game also as part of a more comprehensive course entity. The game is also an interesting form of learning.

### FMS driving licence training enhances automation expertise in engineering

Finnish factory and production automation is extremely qualified even when measured against international criteria. The FMS (Flexible Manufacturing System) Training Center developed in cooperation by Fastems and an educational institute from Tampere has since 1997 been acti-

vely used by companies and educational institutes in the field.

FMS Training Center contributors from Tampere, Machine Technology Centre Turku Ltd, and Innosteel Factory from Hämeenlinna joined forces to create a new type of FMS driving licence, which is a training entity developed for educational institutes and companies.

The training consists of web-based remote education and classroom sessions in the FMS education centres. The achieved level of driving licence clearly indicates what can be expected of the course participant.



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