ELECTRONICS, IT AND TELECOMMS,INDUSTRIAL MANUFACTURING,   Technology Offer

Fire simulation software   (10 DK 20B7 3GIJ)

Abstract

A Danish knowledge centre in the field of fire safety and prevention has developed a software programme for fire risk evaluation which can predict smoke spread, temperature, radiation etc. The centre is offering licence agreements and is interested in technical cooperation.

Description

The software programme provides:
Objective and documented risk analysis at reduced costs and time.
On-line presentation of simulation results in dialogue with client.
An expert system for evaluation of response times for fire detectors, response time for fire brigades etc.

The software programme has a sophisticated fire-model library, where it is possible to choose between different types of fire:
Solid Fire.
Melting Material Fire.
Liquid Pool Fire.
Liquid Tank Fire.
Smouldering Fire.
Energy Formula Fire (t^2 fires).
Data Point Fire (the user inputs their own data).

The software programme is a modern Windows program with context sensitive help. Pressing F1 will bring the user straight to the relevant help text. It can be run on a single computer or it can be installed on several computers which share the same database. (Each user can also have his/her own database, but in a company environment, data-sharing is preferred).

The software programme easily produces reports and graphs from inside the program, so there is no need to carry out external data processing. It is possible to export the data spreadsheet, such as Excel.

Current users:
Consulting engineers

Industry
Insurance companies
Fire authorities
Researchers

Innovations and advantages of the offer

Simulations are based on a zone-model which can model fires in up to 10 rooms.

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