

Computer Models For Fire and Smoke

<i>Model Name:</i>	Argos
<i>Version:</i>	5.8.91.412
<i>Date:</i>	04-02-2014
<i>Model Actively Supported?:</i>	Yes
<i>Classification:</i>	Zone model
<i>Very Short Description:</i>	Zone model that can calculate smoke and temperature movement in up to 10 connected rooms
<i>Modeler(s), Organization(s):</i>	Danish Institute of Fire and Security Technology
<i>User's Guide:</i>	Yes attached to the downloaded exe-file
<i>Technical References:</i>	Yes attached to the downloaded exe-file
<i>Validation References:</i>	Yes attached to the downloaded exe-file
<i>Availability:</i>	Download: http://en.dbi-net.dk/argos.asp
<i>Price:</i>	€ 585
<i>Necessary Hardware:</i>	Windows system
<i>Computer Language:</i>	Fortran
<i>Size:</i>	55,7 Mb
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<i>Detailed Description:</i>	

Argos® can provide you with:

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

Argos® has a sophisticated fire-model library, where you can 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)

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

Argos® easily produces reports and graphs from inside the program, so there is no need to carry out external data processing. If you wish, the data can be exported to a spreadsheet, such as Excel.

Current users:

- Consulting engineers
- Industry
- Insurance companies
- Fire authorities
- Researchers