

**FINE
FIRE**

FIRE



Fire Fighting Design

4M

Integrated Workstation for Fire Fighting Installation Design

FineFIRE combines Design and Calculations in a Fully INtegrated Environment, making all the required calculations for any Fire Fighting Building Installation directly from drawings, and producing thus automatically all the study results: Calculation sheets, technical reports, bill of materials and costing, as well as all the final drawings (plan views, panel diagrams, details) fully updated.

FineFIRE consists of two Components, synergistically interacting between each other:

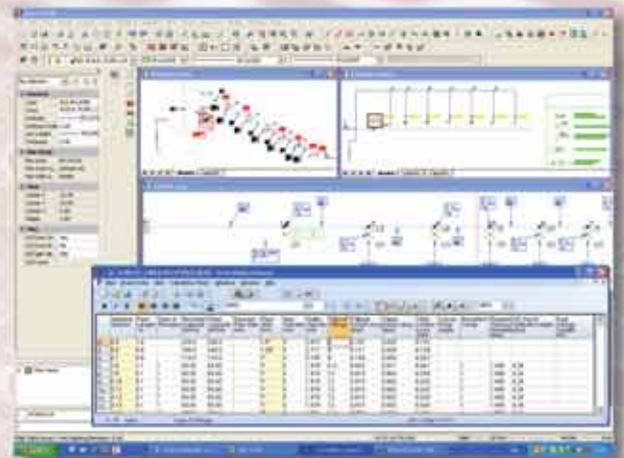
- The CAD Component, a powerful autonomous tool (based on IntelliCAD), including a flexible cad interface for designing the installation plus an expert system for producing the final drawings (plan views of the installation, vertical diagram, construction details etc).
- The Calculations Component, an advanced calculation environment, using a spreadsheet-like functionality and a rich methodological background. It provides all the calculation results of the Fire Fighting Installation network, in a perfectly presented and completely documented way.

In addition, FineFIRE embeds an intelligent wizard component, which defines visually the installation and then produces the vertical diagram along with the full calculations in just few seconds.

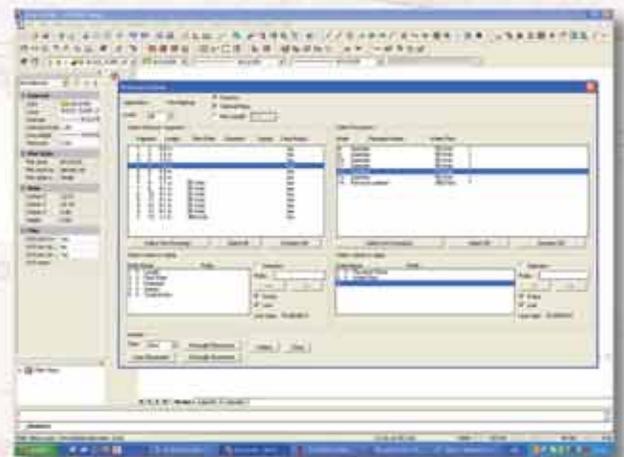
✓ Advanced CAD Interface

FineFIRE incorporates an advanced CAD interface for designing any building fire protection installation in two simple steps:

- Location of the Installation components (sprinklers, fire-hoses, collectors etc) on the floor plan
- Piping design with simple or more sophisticated routing commands (i.e. "Pipes Parallel to Wall", "automatically connected to the receptors" etc) that speed up the process.



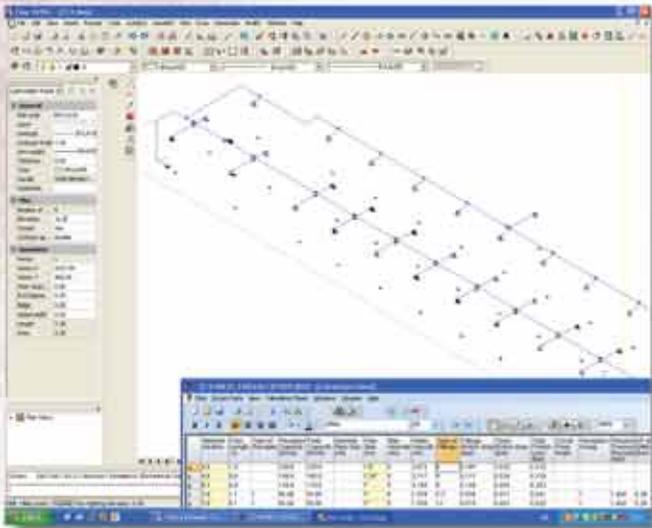
The view plan can be in any DWG or DXF file format or even taken from a scanner (bitmap file). Also the Architectural plan can be drawn from scratch through the AutoBLD (Architectural) commands of the package.



FINE FIRE

✓ Complete Calculations directly from the Drawings

The calculation Component of FineFIRE is being automatically updated from the installation drawings through the AutoNET group of commands. The networks are recognised and transferred into the calculation sheets.



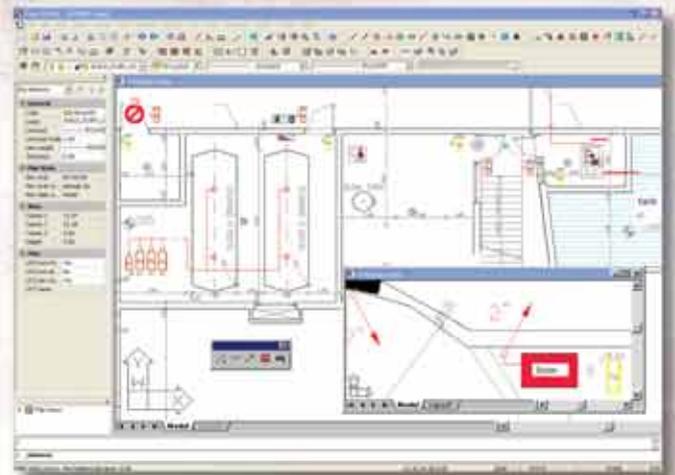
✓ Reliable Methodology

FineFIRE is based on a rich methodological background, by adopting the famous NFPA13 Standard, provided by the American National Fire Protection Association (NFPA). More specifically, the program includes both methods, a) the Pipe Schedule Method which is recommended for new installations up to 5000 ft² (465 m²), and b) the Hydraulic Calculation Method which meets the needs of Fire installation projects of any size.

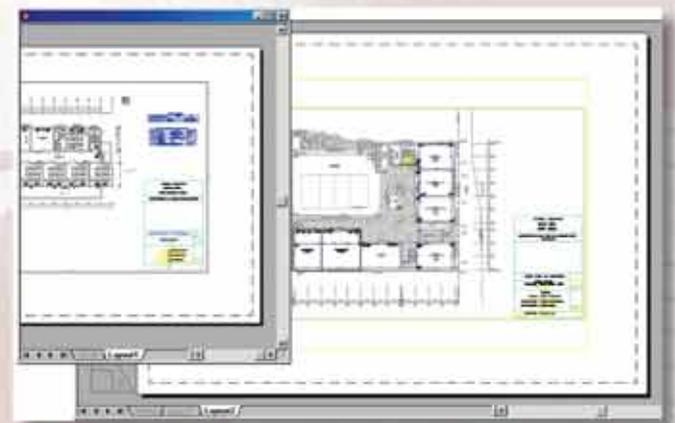
✓ Automatic production of all project drawings

All project drawing are automatically created in a final form:

Detailed View Plan Drawings: Fully updated according to the calculation results.



Vertical Diagrams: They include all the information and can be edited by the user.



All the drawings can be edited and enriched, using the special utilities and the symbol libraries which are open to the user.

FineFIRE belongs to the FINE-MEP Suite, including also FineHVAC, FineSANI, FineELEC and FineLIFT. Moreover, FINE is only a part of the Integrated Building Design Suite FINE/IDEA/STRAD which advances the cooperation among the Architect, the Civil Engineer and the Mechanical/Electrical Engineer.

5 + 1 reasons for working with FineFIRE

- Global Design based on Object Oriented Programming (OOP) philosophy, Implemented with the most advanced tools (C++) and a long-range software engineering technology.
- Autonomous CAD (including IntelliCAD with its user license) providing full independency from other CAD environments, but keeping the most popular CAD standards and open dwg communication.
- Work on real 3D model of the project (building plus fire installation networks) from the beginning to the end. Unlimited freedom to create and modify, through parametric dialog boxes, due to the object structure of the whole information.
- Seamless Integration between the CAD Component and the Calculation Component, plus Interactive Communication between drawings and spreadsheets.
- Calculation environment based on a rich and reliable methodological background, adopting the most modern techniques and standards. Results completely documented and perfectly presented.
- 4M-Suite Supports the close cooperation between the Mechanical Engineer and the Architect, Civil Engineer and Electrical Engineer, over any stage of the Building Design process.

FUEL



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