FINE
LIFT

Advanced Workstation for
Elevator Designers

4M

The Integrated Solution for Elevator Designers and Constructors

FineLIFT provides complete calculations and detailed drawings for any type of elevator (Electromechanical or Hydraulic) through a smart and flexible technique, which practically produces the study output with the final drawings in few seconds.

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

- The Calculations Component, a high functionality calculation environment, including a rich methodological background, based on EN-81 latest Standards. It provides all the calculation results and the final case study printout of the elevator installation, in a fully documented and perfectly presented layout.

- The CAD Component, a powerful autonomous tool (based on IntelliCAD), which generates automatically the final drawings according to the calculations and provide the user with global control drawing tools, as well as any editing facility through the IntelliCAD commands.

## ☑ Automatic Generation of Calculations and Drawings

FINE-LIFT is designed in such a way that its user can design any elevator installation in few simple steps:

- Definition of the basic parameters within the calculation environment
- Selection of the appropriate equipment from the material libraries (which are open to the user)
- Immediate generation of the final case study output
- Automatic production of the drawings on their final detailed form.
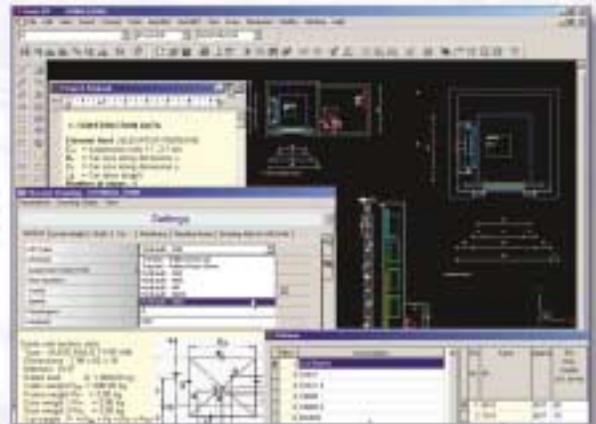
As a final result, FineLIFT provides the user with the complete study issue, including the calculation output (according EN-81), technical descriptions, the bill of materials and all the detailed drawings on the appropriate scales.
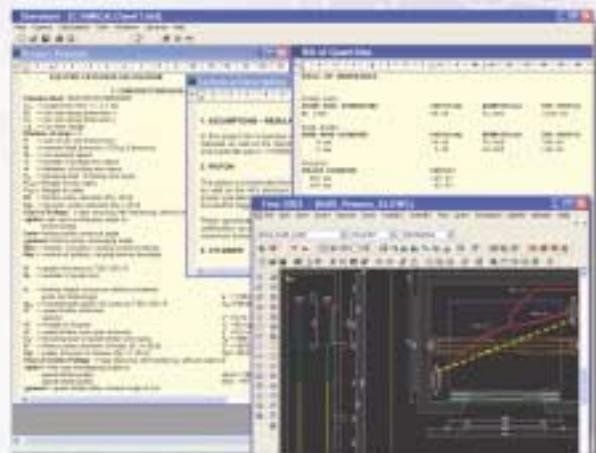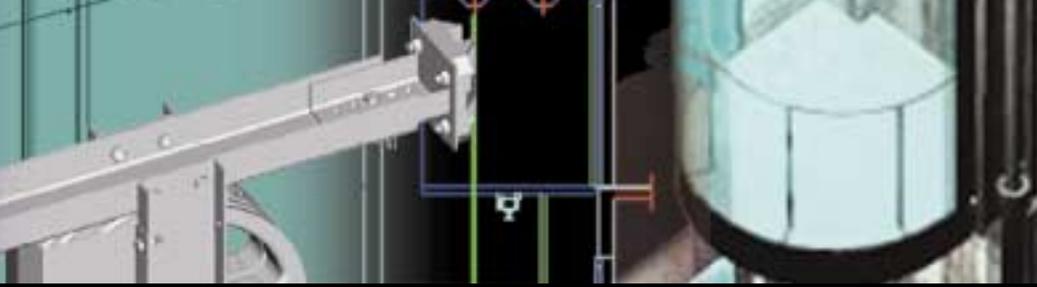
FINE LIFT

☑ Calculations

● Open Libraries of materials and equipment (guide rails, wire ropes, pulleys, motors, pistons, pumps, supply pipes etc) including all technical characteristics, parametrically defined.


● Structured presentation of calculations and results in separate windows, in such a way that whenever a parameter value is being edited, then all the results are real time updated.


● Fast entry (filling the basics and considering defaults) for immediate calculations producing automatically the study output. Additionally, the user can affect any parameter (i.e. cabin features, guide rails data, any material attributes etc) getting immediately the results and keeping the full control at any stage of his study.

● Complete output, fully documented, including all the analytical steps, formulas and intermediate results (loads, forces, coefficients etc) according to EN81 latest Standards.

☑ Drawings

● Smart Wizard that creates the project drawings as specified by the calculation results, in a construction detail level (dimensions, morphology, construction details) and with the proper CAD organization (layers, colors, scales etc).
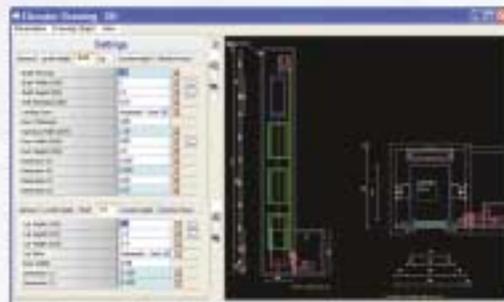
● Easy CAD interventions and real time retransformation of the final drawings, through slides and other visual options (even though no need, all Acad-like facilities are also available)
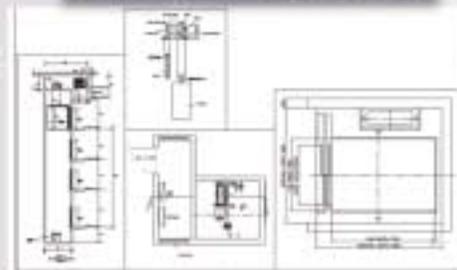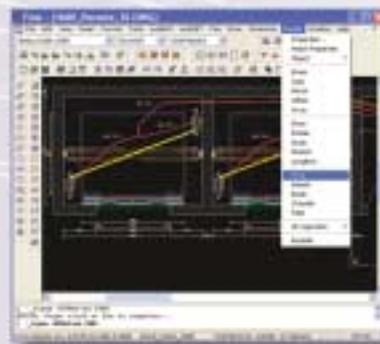
● Absolute CAD autonomy to its users, given that FineLIFT is based on IntelliCAD, the alternative CAD solution, accompanied with its user's license.

4M

FINE is the Building Services Package of the Integrated 4M Suite, which supports the close cooperation among the Architect, the Civil Engineer and the Mechanical/Electrical Engineer, during all the stages of the Building design process.

5 + 1 reasons for working with FineLIFT

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.

Unlimited freedom to create and modify the study model, using parametric dialog boxes, due to the object structure of the whole information.

Seamless Integration between the CAD Component and the Elevator Calculation Component and Interactive Communication between drawings and spreadsheets.

Calculation environment based on a rich and reliable methodological background, adopting the current EN-81 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, during all the stages of the Building Design process.

FUEL