# DAIKIN McQUAY™

Free up your time and your creativity with EnergyAnalyzer™ II
Fast, Flexible Comparisons of HVAC System Alternatives

EnergyAnalyzer II is a new generation of energy analysis program that uses a simulation engine developed by the U.S. Department of Energy. Updated and streamlined as web-based program, EnergyAnalyzer II provides an accurate, easy to use method of estimating energy consumption in a variety of both building types and HVAC systems.

For in-depth comparisons, EnergyAnalyzer II also provides operating cost and life cycle analysis between two HVAC system design options. As a result, you can make the best financial decisions based on your priorities–whether that is first cost, life cycle cost, system performance or even environmental impact.
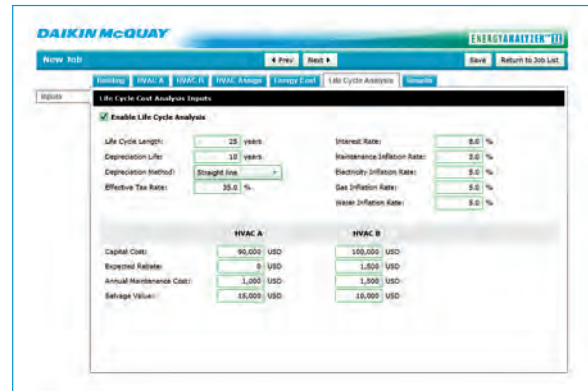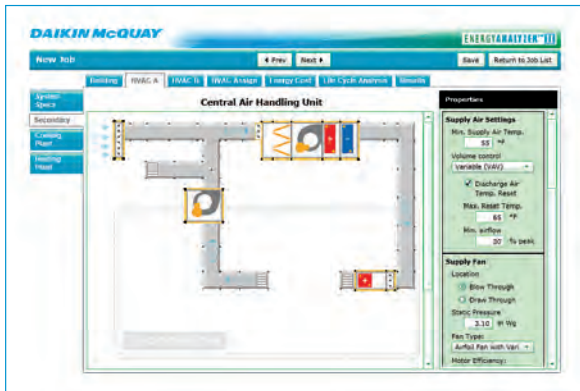
Easy to Learn and Use
- Interactive user interface
- Predefined building templates or customizable building parameters to fit your specific requirements
- Web-based seamless updates
- Tutorials that walk you through the program at your pace
- Reports can be exported for use in Excel®, Word®, or PowerPoint® programs

Building on the Best
EnergyAnalyzer II is an 8760 hours annual energy analysis program developed as a user friendly "front end" to EnergyPlus, the premier simulation engine developed and used by the U.S. Department of Energy. EnergyAnalyzer II also uses ASHRAE Standards 90.1 and 62.1, the national industry standards for commercial buildings, to provide many default values. As a result, the information in EnergyAnalyzer II is accurate and up-to-date with engineering design and energy benchmarks.

Financial Analysis at Your Fingertips
EnergyAnalyzer II also performs life cycle cost analysis, so that you can look at the capital cost of the equipment plus operating cost associated with each option over its entire useful life.

- Compares the investment and operating costs of pairs of design alternatives to determine the payback period. This analysis is useful for quick, simple cost studies.
- Generates a cash flow table for each design alternative considered. This analysis projects costs over a period of years and determines total present worth of a design.
- Calculates cash flow, total present worth, net present value (NPV), internal rate of return (IRR), and payback period.

ENERGYANALYZER™ II

## *Engineered for flexibility and performance™*

EnergyAnalyzer II Highlights

- **Cooling and heating plant analysis** including chillers, boilers, cooling towers and pumps

- **Building templates** 13 different types and industries
  - Customizable

- **Utility rate information** automatically provided for each city

- **First cost and life cycle analysis**
  - Simple payback
  - Net present value (NPV)
  - Internal rate of return (IRR)

- **Reports** that can be generated in HTML format as tables or graphs
  - Performance details of the two system alternatives being compared
  - Energy costs including electrical, natural gas and water consumption
  - Annual energy usage by equipment
  - Heating and cooling load profile
  - Monthly energy consumption and cost by equipment and utility

- **Charts and Graphs** for easy visual comparisons
  - Cooling design load
  - Heating design load
  - Monthly cooling load profile
  - Monthly heating load profile
  - Climate change impact in annual greenhouse gas equivalents for HVAC System A and HVAC System B
  - Monthly energy usage and cost by equipment

EnergyAnalyzer II can quickly compare energy consumption, operating costs and life cycle analysis between two HVAC systems so the best financial decision can be made.
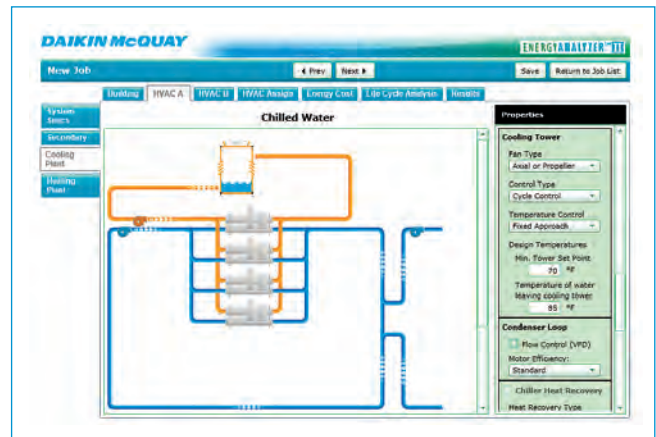
A variety of cooling plant system types and configuration can be compared in EnergyAnalyzer II to select the system that meets performance and cost requirements.

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a member of DAIKIN group

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