

CADian ElectCAD 2006
A Program for Electric Works Drawing
and Automatic Estimation of Materials

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1. The Introduction of CADian Elect-CAD

- * . It's a program developed by technology and credit accumulated throughout 15 years.
- * . A traditional management of project related to electric work treats drawing up of design, estimate and calculation table etc. separately. It's a total package program which handles these things as a whole.
- * . This program enables working efficiency and useful management of projects by drawing up design, bills and estimate at the same time.
- * . Those who are not familiar to CAD can use this program easily by using varied electricity symbols and tools in database.

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- *. It can be used widely in the fields related to equipment such as Electricity, Communication, Fire alarm works, Apartment and Plant.
 - *. This can prevent hand-working from making a mistake in calculating unit, size and quantity. Also it makes possible to change quantity and contents.

2. Functions of CADian Elect-CAD

1) Automation of CAD Drawing Tool (CAD)

- * . It makes design fast with drawing tools in which things needed in designing electricity are.
- * . Arrangement function of electrical symbol (box arrangement, random arrangement, control of automatic direction change of symbol)
- * . Automation of wiring (automatic display of wire, change of wire and automatic display of symbol)
- * . It designs automatically distribution board connection diagram and MCC connection diagram with data made in electric works of calculation table.

- * . It draws up sequence diagram drawing, PLC drawing, digital logic drawing.
- * . It also draws up distribution board, cable tray, floor duct, raceway with drawing tool.

2) Automation of Estimate

- *. It draws up automatically material summary, estimate sheet, a cost statement, material summary sheet, price analysis with using data in CAD

3) Automation of electric works of calculation table

- *. Distribution board load sheet, MCC load sheet, voltage drop sheet, generator capacity sheet, transformer capacity sheet by data made in CAD and data drawn in material summary.

