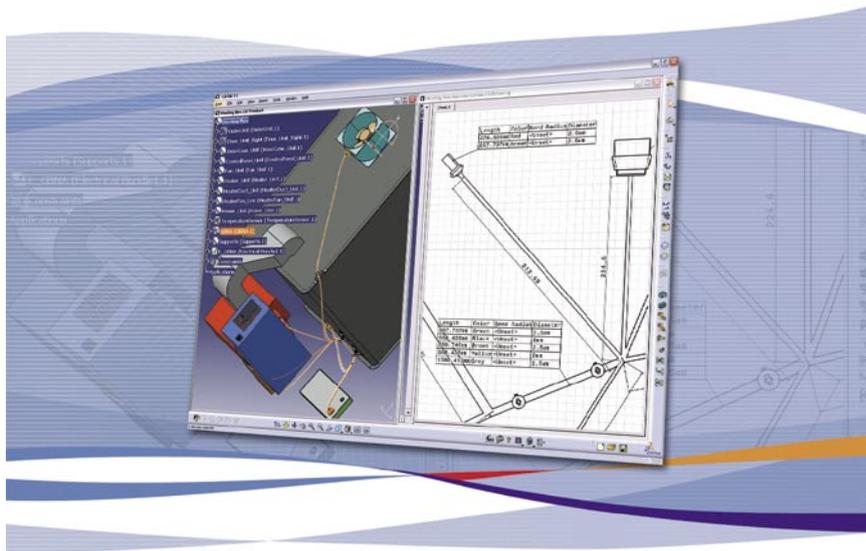**IBM**

Grow with PLM

Equipment & Systems Profile Pack

Part of IBM's express portfolio of offerings for medium-sized businesses

Electrical 3D Design and Documentation is the core product to define your electrical installation based on the functional definition coming from partner applications. You can easily place your standard components such as connectors and supports and create your 3D harness definition. Then the Electrical design tool performs the automatic wire routing and delivers you the right manufacturing documentation.

The Equipment & Systems Profile Pack helps you to:

- *Design your complete electrical system including manufacturing documentation based on the functional definition*

- *Provide accurate and up-to-date manufacturing information such as electrical cable lengths and layout drawings, which reduces the time to process design changes in a concurrent engineering environment*

- *Reduce time to market with complete digital mock ups avoiding late changes in the design process*

- *Enable your engineers to create and modify specialised parts with powerful and easy-to-use applications.*

Focus Industries

- ■ *Consumer Goods*
- ■ *Industrial Products*
- ■ *Electrical and Electronics*

Due to the growing complexity of products and the drive to reduce development time, it is becoming increasingly important that your product design is done using dedicated applications that use the same methodology and language as your engineers. Also it is critical to be able to visualise the complete digital mock up (DMU) of your product, reflecting not only the mechanical components but other systems such as fluidic and electrical as well.

This complete DMU of your product allows early and accurate space allocation and the avoidance of expensive engineering changes later in the design and manufacturing process.

The Equipment & Systems Profile Pack consists of integrated CATIA V5 applications including electrical, structure design and plant layout. These applications enable your designers to easily define the electrical control and power systems of your product, equip them with the appropriate steel and supporting structures (staircases for example) and place them in the 3D layout of the environment where they will be used.
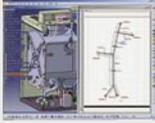
CATIA

SMARTEAM

Equipment & Systems Products

These are the products available to be included in the Equipment & Systems Profile Pack. Optionally, additional Profile Packs can be ordered for any users who may perform a broader role in the organisation; or individual products can be added from the standard Product Lifecycle Management (PLM) software catalogue as long as all pre-requisite products are also included in the order.
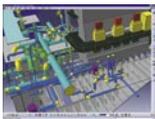
CATIA – Electrical 3D Design and Documentation (EC1)
Provide machinery and consumer goods industry with a dedicated toolset for designing and documenting their electrical systems.

CATIA – Systems Routing (SRT)
Define the space reservation for all kinds of fluidic systems, thus avoiding interference and optimising the systems design within the mechanical environment.

CATIA – Plant Layout (PLO)
Define the 3D space allocation for industrial equipment and machines to be placed in a manufacturing plant by providing tools to quickly place them, optimise the layout and evaluate alternatives in a very intuitive way.
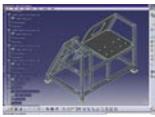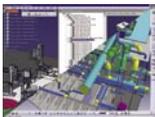
CATIA – Structure Design (SR1)
Define all types of linear and curved structures and plates quickly using catalogues of standard or custom sections.
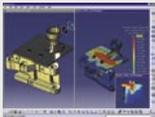
CATIA – Generative Part Structural Analysis (GPS)*
Perform transparent and automatic structural analysis to promote up-front CAE during the design phase.

CATIA – COM 1 to 2 Extension (C12)
Give access to CATIA P2 products from a CATIA P1 configuration for broad scalability and wider business process coverage.

Requires CATIA – COM 1 to 2 Extension (C12)

ON DEMAND BUSINESS