≈ CLOUDIS CMPIC
Configuration Managed Project Integrated Cabling

▶ **CMPIC (Configuration Managed Project Integrated Cabling)** is a sophisticated application for the management of cables. Covering all aspects of cabling from design through to testing, CMPIC is used by a number of very large UK and European companies. In its previous version, ICEPIC, which has been in use since 1996 the software has been used on projects to automatically route and manage over 30,000 cables.

DESIGN MODULES

▶ **BENEFITS OF CMPIC**

- Flexibility in offering both partial and full cable scheduling, routing, terminating and installation facilities.
- Manage multiple project builds within the same database. Reduces time and effort required to maintain different cabling configurations.
- Database can be used as an integral part of through life support for the plant or ship.
- Integration with third party software products including CAD and Microsoft Visio.
- Minimise errors and maximise efficiency because of 2-way real-time access to the database.
- Improve project planning and implementation by using work packages to group cables together for installation.
- Reduce material costs by using cable drumming to optimise the use of large power cables.
- Feedback from the installed data provides management control.
- Reduce data entry and duplication by using libraries of materials & cables.
- One single, simple front-end access provides easy use and minimises training.
- Automatic calculation of % volume fill and weight fill on each path on the nodal network.
- Reports can be generated quickly and easily in specified formats.

▶ **LIBRARIES**

CMPIC's library system allows you to define and record information and attributes on items such as equipment, cable types, glands, terminal types, cable trays, ducts and segregation classes. Once entered, the data in the libraries is available to users via drop down lists.

▶ **NODAL NETWORK CREATION**

Using CMPIC's Nodal Network Creation Module, you can enter data directly, or import it from the CAD system.

▶ **CONFIGURATION MANAGEMENT (OPTIONAL)**

Configuration management features make it easy to amend the cabling design without the costs and potential errors that duplication of information can cause.

▶ **DEVICE SCHEDULING**

CMPIC's Device Schedule holds information about device type, location, and distance from the nodal network, number and types of terminals and type of entry.

▶ **CABLE SCHEDULING**

The Cable Schedule holds information on cable numbers, usage, segregation class, type, nodes, cable type and connections. To create a schedule, all you need is basic information on the cable number, adding detail as it becomes available.

▶ **ROUTING**

CMPIC supports both manual and automatic routing with or without a CAD interface. So you can decide how best to use the software to support your project.
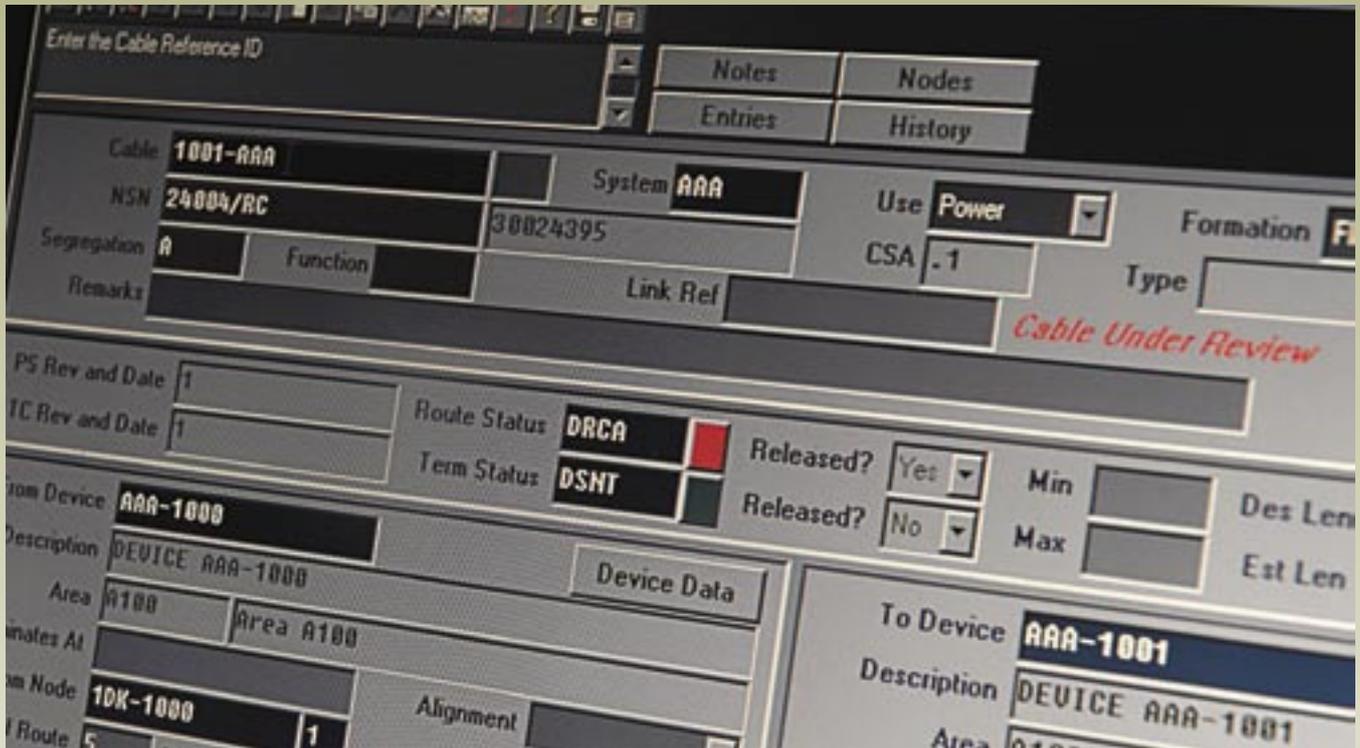
▶ **CHANGE MANAGEMENT (CABLE ROUTE APPROVAL)**

CMPIC ensures that cable routes are approved before installation. Before approval, the design team can still make changes. Afterwards, all modifications are subject to a change control process.

▶ **TERMINATIONS**

CMPIC holds comprehensive information on cables in its Libraries and matches these against the terminals specified in the Device Schedule. Once design is complete, you can produce a termination report to aid installation.

▶ **CHANGE MANAGEMENT (TERMINATION APPROVAL)**

You can see the status of all cable terminations at any time using CMPIC's Change Control module. You can also speed up the approval process by viewing approvals by device rather than by cable.

PRODUCTION MODULES

▶ **INSTALLATION PLANNING AND CABLE INSTALLATION**
CMPIC can be used to create 'work packages' against which cables, which can be grouped in many different ways, can be allocated for installation together.

▶ **DEVICE INSTALLATION**
Reports give you all the information you need to manage the process successfully, including status, and feedback checks.

▶ **CABLE DRUMMING**
Schedules and reports allow you to reduce wastage and control materials usage. This module includes drum optimization facilities.

▶ **MATERIAL & STORES CONTROL**
Stores control provides an accurate inventory of all cables supplied and used on a project. Quantities entered into CMPIC at the design and installation phases are compared with actual usage.

▶ **TERMINATIONS**
You can use CMPIC to create reports and on-line queries to simplify and improve the testing process. You can use this to 'tree walk' through a system to check connectivity and look for loops.

▶ **STANDARD REPORTS**
CMPIC has a large number of standard reports and screen queries that provide information at a summary and detailed level. Double click functions enable you to 'drill down' to more detailed information.

▶ **VISIO INTERFACE**
CMPIC has an optional standard interface to Microsoft's Visio software for the production of cable connection diagrams directly from the CMPIC database.

▶ **READ ONLY OPTION**
CMPIC has a read only web-enabled version of its user interface which has a Windows look and feel. It is a very approachable way to see data about cables for people who are infrequent or perhaps management users.

▶ **ADDITIONAL OUTPUTS**
Outputs are provided to Cable Marker systems for the production of cable tags and labels.

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