▶ 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.

PRODUCTION MODULES

▶ INSTALLATION PLANNING AND CABLE INSTALLATION

CMPIC can be used to create 'work packages' against which cables can be allocated for installation together. Cables can be grouped in many different ways as part of a work package e.g. by segregation, device, route, area etc. Once these cables have been associated with a work package they are then tracked and managed as part of that work package.

CMPIC helps your installation team generate a cable pull sheet containing all the relevant information on cables, lengths, nodes and routes. You can feed actual pulled lengths back into the system and have your pull sheets tailored to suit your specific requirements.
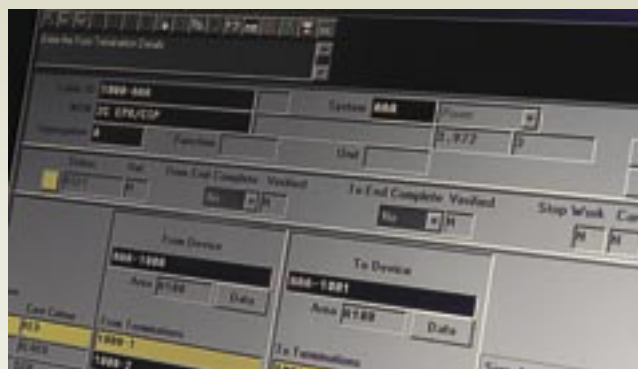

▶ DEVICE INSTALLATION

Reports give you all the information you need to manage the process successfully, including status, and feedback checks. Once a device has been signed off as terminated, this updates the details of all the cables terminating at that device.

▶ CABLE DRUMMING

Schedules and reports enable you to reduce wastage and control materials usage. CMPIC allows you to monitor cable use and identify possible shortfalls before they affect the programme. 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. This gives you greater control over materials and means orders for additional cable can be made earlier and more accurately to minimise the threat of delays
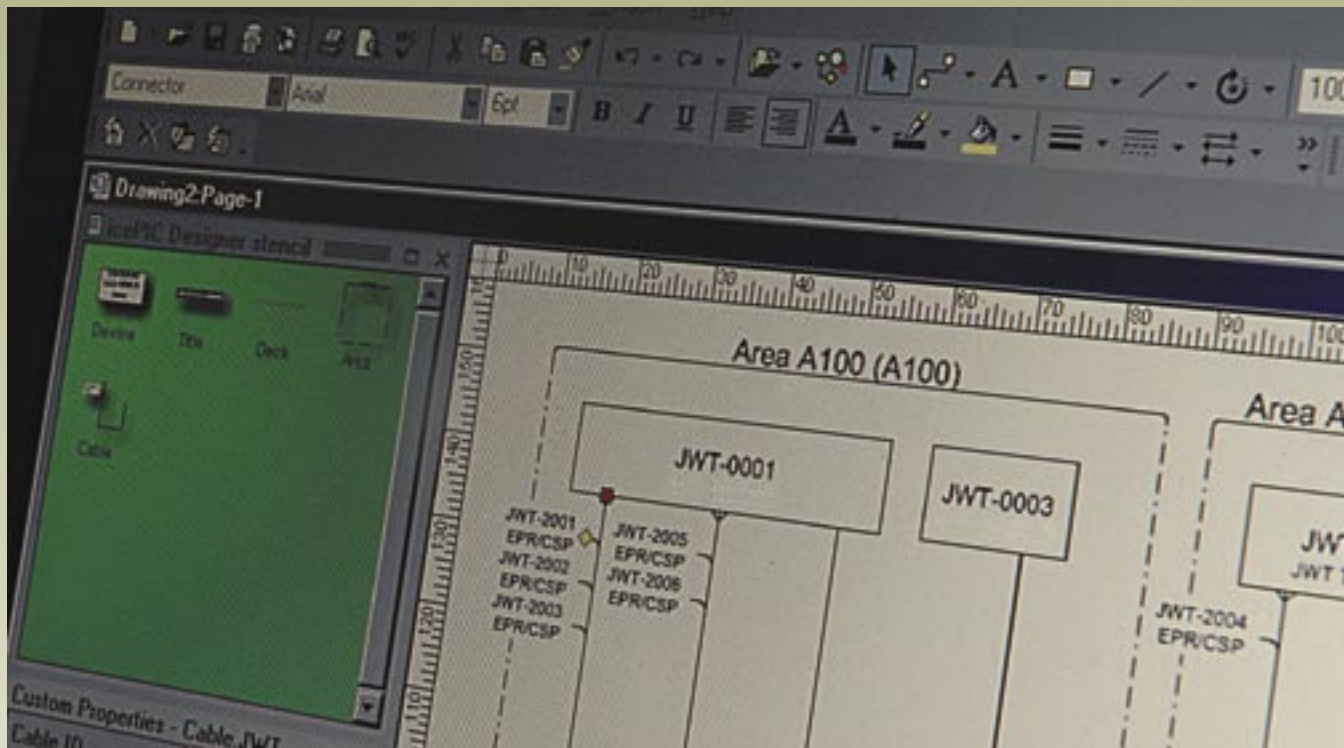

▶ TERMINATIONS

You can use CMPIC to create reports and on-line queries to simplify and improve the testing process. CMPIC holds information on connections, terminals, cores and signals. 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, providing quick, easy access to the information held in CMPIC. Reports can be printed, viewed or saved as PDFs.

▶ VISIO INTERFACE

CMPIC has a standard interface to Microsoft's Visio software for the production of cable connection diagrams directly from the CMPIC database.

BAR CODE INPUT & OUTPUT

You can use barcodes with CMPIC to speed up and improve the accuracy of the input of data to the system. This is particularly useful in conditions where it's difficult to take a keyboard or to use pen and paper.

CABLE MARKER PRODUCTION

CMPIC will interface with leading cable marker production systems. You can output data on to cable markers to reduce manual input, speed up the process and avoid potential mistakes.

CUSTOMER SPECIFIC INTERFACES

Because CMPIC is based on the Oracle database, there are potentially many areas where interfaces to other applications could be beneficial including planning, ERP and document management. We can advise on the best ways to interface to CMPIC to make best use of the data in your overall engineering process.

THROUGH LIFE SUPPORT OF CABLING

If CMPIC has been used to manage the design and installation of cabling on a project then the database which has been created can be used as an important part of a through life support system for the plant or ship. For example, you would be able to interrogate the database to find out which cables were installed between two given points or devices. You could also see which cables run through a room which has been damaged by fire and which systems are affected as a result. There is tremendous potential for exploiting the CMPIC database for through life support and maintenance purposes.