

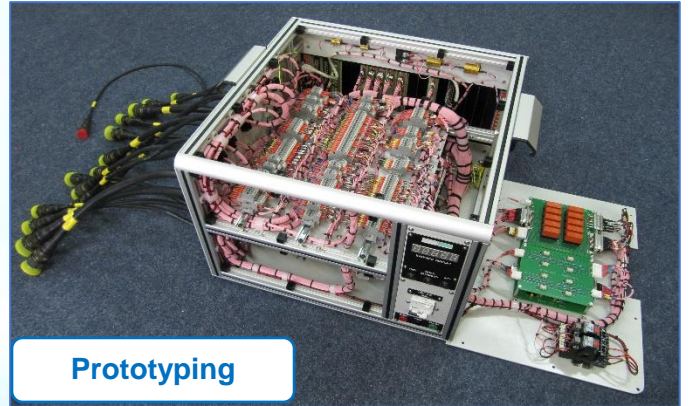


# Micro Technology Consultants

Providing a service to industry since 1985

MTC offer a complete design and development service for your product or test system needs; from initial concept, through development and proving to manufacture. Alternatively, MTC can assist your own in-house efforts by:

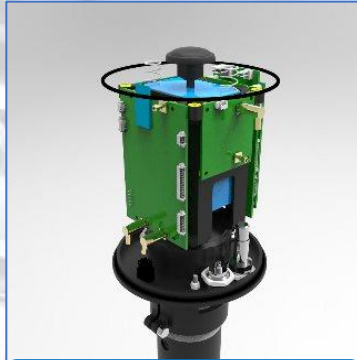
- Complementing the capabilities of your own design teams
- Providing additional, specialised resource on large projects
- Assisting during busy periods



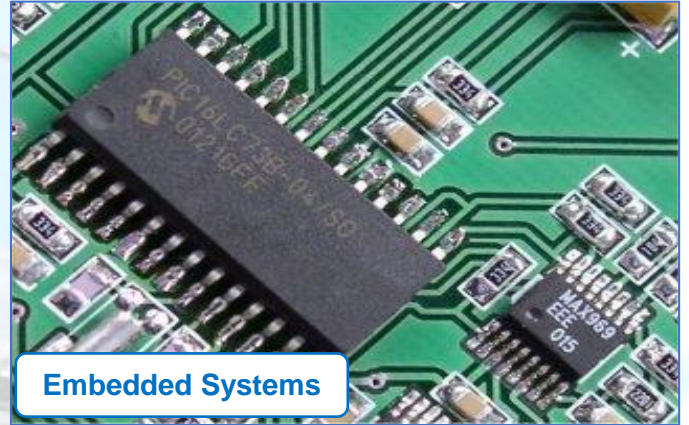
Prototyping



Test Development



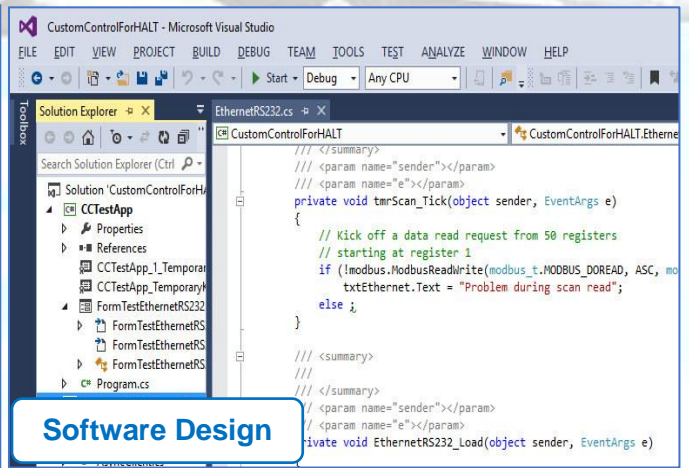
Hardware Design



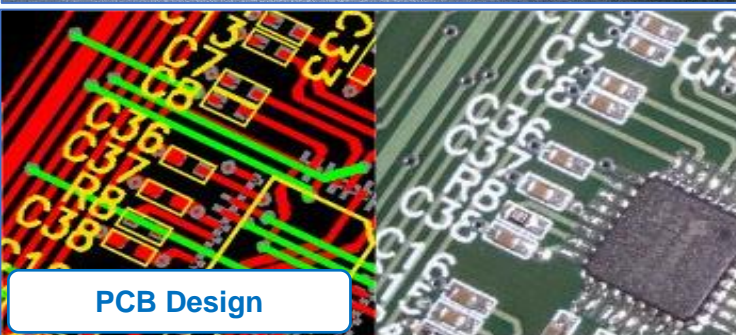
Embedded Systems



Mechanical Design

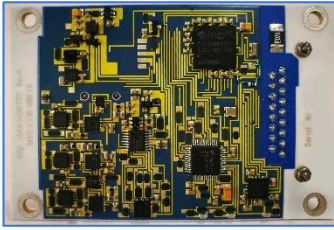


Software Design



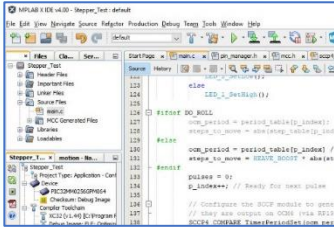
PCB Design





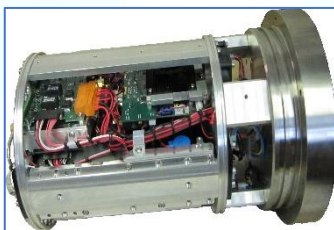
## Hardware Design

Utilising a broad range of technologies, MTC have successfully provided a hardware design and development service across military, commercial, medical and financial sectors, with clients ranging from large multi-national concerns to SMEs. Paramount importance is given to robust documentation quality and control procedures plus an archiving policy ensuring the equipment can be supported throughout its life cycle.



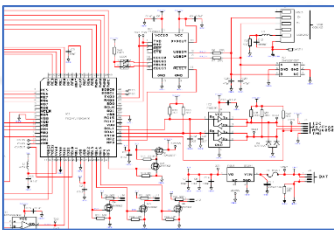
## Software Design

MTC have experience in a number of software languages including C, C++, C#, LabWindows CVI, and a variety of assemblers. In the majority of instances this software is developed on a PC host in support of product design or automatic test equipment manufacture. MTC also offer a software only service targeted at our customers' own embedded or PC platform.



## Mechanical Design

MTC offer a mechanical design service from test fixtures to more complex mechanisms and subsea pressure housings. Prototypes can be 3D printed on request. Custom parts are manufactured to MTC's exacting specifications by a variety of precision engineering firms.



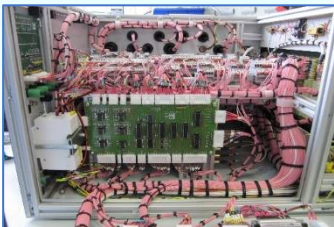
## PCB Design

MTC have in-house schematic capture and PCB layout capability using various packages and hence have compatibility with the most popular design tools on the market. MTC can arrange manufacture of volume populated PCBs from a variety of sources ensuring our customers have the most competitive costs for their projects.



## Embedded Systems

MTC have extensive experience designing and developing a broad range of data acquisition systems using embedded microcontrollers. Examples include controllers for downhole measuring systems used by the oil industry to surface friction measuring systems used on airport runways.



## Prototyping and Small Volume Manufacture

MTC have the in-house capability to populate PCBs and perform system wiring and assembly to IPC610, 620 and J-Standard. As a supplier to the military, all manufacturing work is performed to the highest standard; projects for commercial customers are afforded the same level of quality.



## Test Development

MTC offer a design and manufacturing service for custom automated test equipment. MTC can fit into any part of a client's test strategy. Equipment can be manufactured from customer's existing designs, or MTC can offer a full test strategy consultancy and specification service. MTC's capability ranges from simple "black boxes" to fully controlled "rack and stack" systems. A comprehensive and accurate documentation package is supplied with all equipment allowing the customer's service department to easily perform any maintenance that may be required.