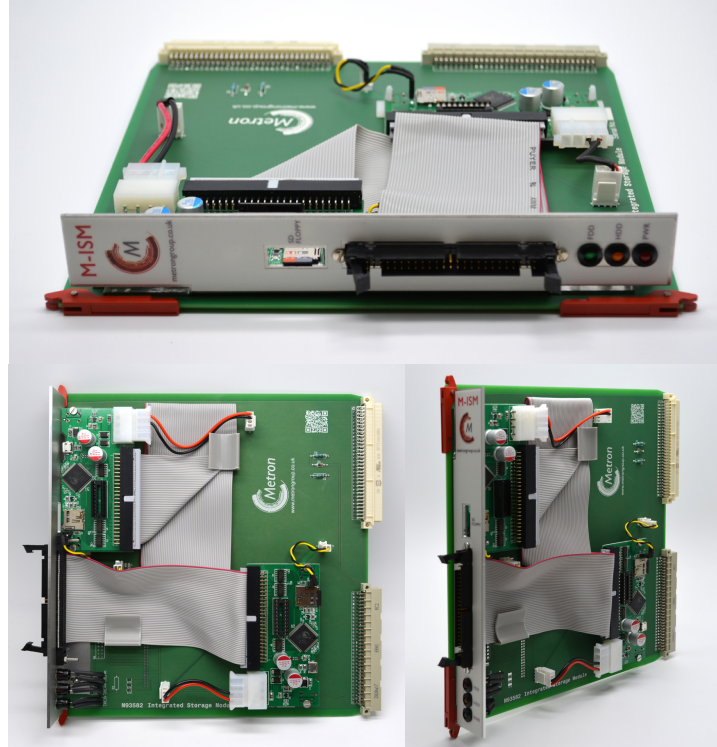


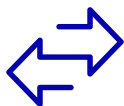
BESPOKE COMPONANT SUPPLY

Re-Engineered
Control System Card
Replacements



PROBLEM

Our client came to us having experienced some issues with their Rustronic MkII ISM (Integrated storage module). These were becoming unreliable due to their age and increasingly difficult to support, partly due to their requirement for 3.5" floppy disk drives to operate.



With the emergence of devices such as sd cards and flash drives with greater storage capacity and faster data transfer speeds, the floppy disk has become obsolete.

OBJECTIVE

To design and manufacture a replacement unit that eliminated the need for the outdated 3.5" floppy disk drive, but incorporated more modern technologies.

SOLUTION

Metron designed, fully type tested and manufactured a replacement unit using SD cards as both fixed and removable media.

This emulated the original interface, so it remained completely compatible with existing systems, with no changes to hardware or software required.

After being pre-configured for the client system, they were installed and have been running reliably ever since.

Following changing client requirements, a second design was created, incorporating flash drive storage as an alternative option.

The increased functionality and improved reliability justified the investment. The client can now support their ageing systems with selected modern equivalent technologies. This has removed the need for expensive and complicated control system upgrades.

As a bonus, the upgrade in technology from floppy disks to modern SD/CF cards meant that the saving and loading times for the system improved. File corruption is no longer an issue, and waiting times are significantly lower than they were with the original hardware.

The new design also has no moving parts to wear out, requires no real maintenance, and consumes less power than the original hardware.