Modular Security Solutions

Buildings You Can Trust

CASE STUDY

DATA CENTRE AREA HARDENING

Modular Security Solutions are proud to have assisted with providing area security partitioning to a prestigious South East data centre. Following a facility upgrade review, two key sensitive areas of vulnerability were identified for security fortification.

The MSS High Security Composite Panelling System was used to line out two existing server rooms with 50 m2 of combined floor space and 400m2 of secure composite panel system in total.

Due to the extreme operational heating and cooling requirements, a key specification point for this project was achieving optimum thermal efficiency and excellent U Values. The MSS high security composite panels were manufactured with our PIR (polyisocyanurate) core type, offering an impressive 0.19 W/m2K U value.

Network cabling, pipework, cable trays and typical services meant that careful consideration was given to the integration of service penetrations into the secure walling system. Our client elected to proceed with our Penetration Cut And Security Frame Out Service, taking advantage of our free of charge design package to ensure precise penetration locations could be communicated to and signed off by the end user.

Our service penetrations are framed out in high gauge steel sleeves, maintaining the substantial level of physical security. The sleeves are powder coated to perfectly match the panel facings. Pipe penetration seals were installed by a specialist contractor to ensure that thermal efficiency remained uncompromised.

The high security MSS, pre-finished panel faces were supplied in a White Hygienic Laminate finish, which is dust resistant, non-porous and conveys a clinical and professional aesthetic.

Our system was designed, manufactured and delivered to site in 5 weeks – 1 week in advance of the original contractual 6 week lead time.

DUST FREE | **U VALUES** | **SECURITY PENETRATIONS**