

AVANTA



CASE STUDY

MEGGITT

Mesh, Single and Double
Skin Partition Project



Watch the Video





Avanta Create Safe, Secure Enclosed Environments for Meggitt Plc

The new 440,000 square foot Headquarters for Meggitt Plc located in Ansty Park in Coventry is a state of the art UK engineering and advanced manufacturing centre of excellence and global. The site is one of the biggest investments in UK manufacturing capability in a decade as well as being Meggitt's largest infrastructure investment in history, one of a number of recent global infrastructure investments.

As one of the largest industrial projects in the Midlands, this hub for next-generation UK aerospace innovation is the European Operational Centre for braking systems, thermal solutions, aftermarket. Built in 2020 and now internally equipped and fitted out, this specialist manufacturing and testing unit is now operational. Meggitt Plc is a global leader in aerospace, defence, and energy with 1000 staff to be based at the site creating a centralised UK operation.

Working in partnership with Clegg Construction & Meggitt Plc – Avanta UK Ltd designed and supplied a multiple enclosure solution that could be used for various applications across the factory.

The project evolved over a 12-month period and resulted in some 65 enclosures supplied and installed over 12 zones within the factory. Various applications for the enclosures included multiples of:

- Machine Housing.
- Offices.
- Canteens and Break Out areas.
- Workshops.
- Control Rooms.
- Test Units.
- Paint Room with 2x Speed Doors.
- Stores.

Working closely with manufacturing partner Troax it was felt that a combination of double and single skin steel partitions would be the perfect solution and provides many advantages over a traditional plasterboard or timber product.

Steel Partitions are formed from a panel system to divide and subdivide the workplace and are commonly used in a warehouse and factory environment. Panels are fully demountable and can be re-configured to be used in other areas of the factory if required. Utilising the standard Sigma single skin steel and Elan double skin steel partitioning panels offered the client flexibility to have a variety of solid and solid with glazing and / or mesh enclosures to suit the application. A small number of enclosures utilised a bespoke panel arrangement.

Sound proofing to achieve the required dB rating and fire rated panels for specific enclosures and housings ensured compliance. Specialist enclosures for strict temperature control and air purification applications were also supplied



**65 Enclosures
over 12 Zones**

**Single & Double
Skin Partitions**

**Workshops, Canteens
Offices and many more**

**12 Month
Project**

and installed as part of the project. Mezzanine floors with high-level bracing to utilise floor space, walk-on ceilings were also part of the Avanta contract.

All doors were supplied to specified locking arrangements – from access control to simple euro cell lock or thumb turn locks etc / door closers. A bespoke large steel double sliding door was installed in zone 1 and 2x speed doors to the paint shop.

Quote from Meggitt: “Ansty Park is a major advance in the development of our global manufacturing footprint and we have been pleased to work with Avanta to build these important enclosures which can be used for various applications as and when we require.”

Quote from Troax: “We are very proud to have supported Avanta with this project. It is not often we get the opportunity to showcase our wide range of solutions and products, all under one roof. This project included single skin, double

skin, fire and acoustic systems, pressed panels, mesh panels, glazed panels and ceiling systems. Working in close partnership with Avanta, we were able to navigate all of the challenges of the pandemic and ensure work was completed safely and on time. Our whole ethos is ‘Protecting People, Property and Processes’ and we are delighted that we have been able to install that fully into this unique project.”

Quote from Avanta UK: “We were delighted to be awarded this project for such a large blue chip aerospace company. The results of everyone's hard work have contributed to a modern state of the art facility one which Meggitt can be proud of. These enclosures will help Meggitt employees work safely and securely in a modern factory environment. Working with our supply partner Troax enabled a quick build time of a top-quality steel partitioned product. Under the CDM of Clegg Construction we worked safely and diligently to complete this project on time and to budget”

























































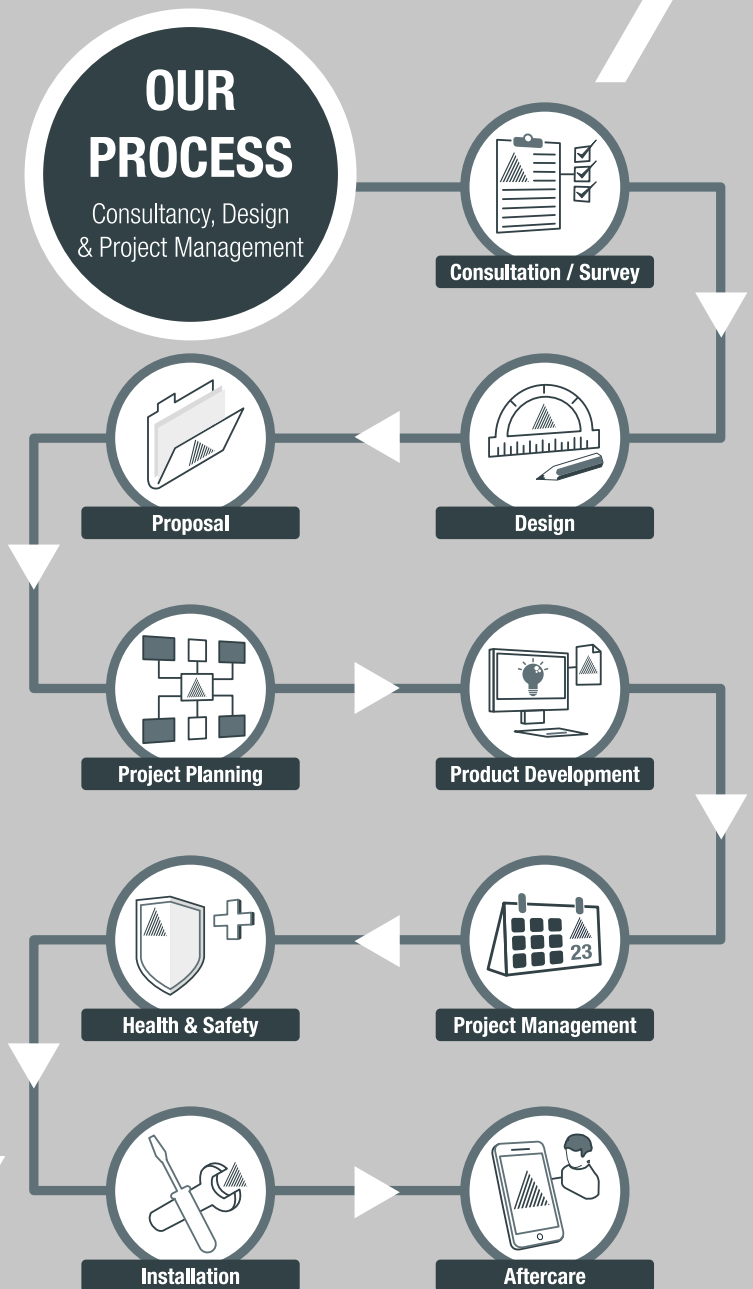
Avanta UK Ltd is an independent company with 20 years experience in designing and sourcing equipment. Long term partnership arrangements and rigorous appraisal of our portfolio of extensive manufacturing partners ensures that our clients have access to high quality and competitively priced standard and non-standard products.

Our specialities include mezzanine floors, storage systems (including warehouse shelving, pallet racking, longspan shelving and mobile shelving systems) and interior solutions (including office partitions, office storage, steel partitions, mesh security cages and workbenches).

We cover the whole of the UK and work closely with the major manufacturers offering warranty, peace of mind and on going support.

See more case studies at
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For a free, no obligation quote
Call - 0800 975 4933
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