



PROJECT

EXTENSION TO AND REFURBISHMENT OF HANGAR 75

CLIENT

AUK

CONTRACT VALUE

€1.8M

OBJECTIVE

Hollingsworth Ellery were selected to carry out the refurbishment of and extension of this pre war constructed Pentad hangar.

The existing hangar housed an operational wing jig which was protected and remained as an obstruction within the hangar during the refurbishment. Demolition works required diversion, temporary support and protection of all the existing hangar services.

The existing hangar exhibited signs of corrosion. Structural strengthening, replacement of members, additional welding and replacement of bolts was required to the entire structure.





METHOD

This complex engineering project involved temporary works, opening up and agreement for remedial actions to maintain the stability of the existing frame.

Once completed, construction progressed on the adjoining new two story extension.

The construction site was surrounded by AUK parking areas, a training facility housing 40 employees and main site traffic routes. The heavy construction work also took place during the worst winter in recent records.

RESULTS

During construction the site team encountered additional problems with site conditions. These include locating an unknown air raid shelter below the proposed new extension and interface issues fitting an extension onto this complex pentad steelwork structure.

Hollingsworth Ellery also delivered the provision of new internal offices to the hanger and test rig rooms, foundations constructed to finite tolerances for test rigs for robotic wing manufacture simulation. The external works package was extending way beyond the original building perimeter.

SUMMARY

The new testing facility and the adjoining accommodation was handed over to AUK operations as scheduled.

The project has been highlighted as exemplary in it's operation and execution by the AUK Safety team. No accidents or injuries were sustained during this difficult project

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