



comar

ARCHITECTURAL ALUMINIUM SYSTEMS



West of Duddon Windfarm Onshore Offices, Cumbria.



Comar Architectural Aluminium Systems; with their approved fabricator Formes Alutek Ltd recently completed a new build office building which forms part of 'The West of Duddon Sands Offshore Windfarm', a JV project between Scottish Power Renewables and Dong Energy. The project comprises of an onshore substation, 108 wind turbines with a total installed capacity of 389 megawatts and brand new bespoke Operations & Management office facilities based at West of Duddon Sands, Barrow-in-Furness.

A striking curved facade was installed and Comar 6EFT 4sided SG with concealed vents was selected as it provides a structurally glazed curtain walling solution with EPDM or Silicon seals which creates facets at 7.5° increments convex or concave. Comar EFT 4 sided offers architects the opportunity to maximise large glazed areas as it has the slimmest glazing seals available on the market.

In a busy office environment, Comar 7 door sets are a natural choice. Not only are they available in swing, pivot, sliding, auto-sliding and sliding/folding, they have been designed specifically for retail applications where high traffic solutions are required. For safety, the Comar 7 swing doors were fitted with anti-finger trap stiles and Axim concealed transom closers which were hung directly from the Comar 6EFT curtain wall again enforcing the reduced sight lines.

The project was completed using Comar 5P.i top hung windows. The Comar 5P.i window system uses trademarked Polyamide Insulated (P.i) that provides exceptional thermal performance in a market where energy efficient designs and meeting the demands of the latest building regulations are paramount. All configurations, such as casement, top swing reversible, pivot, tilt and turn and sliding can be manufactured.

Solar shading was a key consideration on the southern elevations of this project; therefore to shade the façade vertically hung Comar Duco-sun C was specified. The blades, rafters and struts are all part of the unique Ducosun multi-fit system which allows fast track installation with its "clicks & glide" assembly.

PROJECT DETAILS

Architects: Roff Marsh Architects

Fabricator: Formes Alutek Ltd

Main Contractor:
Thomas Armstrong Construction

Project Value: £200K

System Used:
Comar 6EFT SG, 5P.i Top Hung,
7 Sliding Auto & Duco-Sun

Location:
Duddon Sands, Barrow-in-Furness,
Cumbria



West of Duddon Windfarm Onshore Offices, Cumbria.

The Parkside Group incorporates Comar Architectural Aluminium Systems, Alu-Timber, an aluminium/timber composite system of windows, doors and framing, Axim Architectural Hardware and Duco ventilation and sun control.

This provides a unique opportunity for specifiers and fabricators to rely on a single source for building envelope and integrated systems.

Comar
Comar Architectural Aluminium Systems is the largest British, privately owned aluminium systems company in Europe. Comar designs, extrudes and distributes over 700 integrated profiles to a nationwide approved fabricator network for use in aluminium ground floor treatment, window, door and curtain walling applications. Comar has built its reputation on delivery; over £5M of mill, white polyester powder coating, silver, bronze and anodised profiles are kept in stock. This means that 99% of orders are fulfilled by our customers' weekly delivery.

Alu-Timber - Merging Material Solutions.
Creating sustainable, energy efficient buildings is a cornerstone of design.



Alu-Timber, a range of aluminium/timber windows, doors and framing, that combines sustainably grown FSC or PEFC timbers with 100% recyclable aluminium. Alu-Timber gives the specifier benefits: low U-values to achieve current legislation as well as reassurance for the client that the facade will last, with minimal maintenance.

Comar Duco
Comar-Duco produce market leading ventilation and sun control products that continually evolve to meet the latest demands that building regulations command. This comprehensive solution to provide single source aluminium facades, with ventilation and solar shading, incorporates Window Ventilation, including acoustic ventilation, Architectural Louvres, Continuous Louvre Walls and Solar Shading.

Axim
As part of the The Parkside Group, Axim supply a full range of architectural aluminium door hardware including: concealed transom closers, floor springs, surface mounted closers, flush bolts, panic exit devices, handles, letter plates and other ancillary items.

RIBA CPD Provider
The Parkside Group provides RIBA assessed CPD seminars to architects and specifiers throughout the UK. Please contact us for further details.

Nationwide Architectural Specification Team
Comar Architectural Aluminium Systems have a nationwide team of architectural advisors who specialise in providing architects and specifiers with project support and NBS specifications. Fabricators and installers are supported by a team of Territory Managers.



GROUND FLOOR TREATMENT	
COMAR 1	Single Glazed GFT
COMAR 3	Double Glazed GFT
COMAR 4	Single Glazed GFT
COMAR 8	Fin/Bead GFT
CURTAIN WALLING	
COMAR 6	Curtain Walling, Stick Build & Ladder Frame, Square Cut & Step Cut.
COMAR 6	EFT Structural Glazing 2 & 4 sided
DOORS	
COMAR 7	Doors, Folding, Sliding, Swing & Polyamide Rebated.
WINDOWS	
COMAR 5P.i	Windows, 55mm, 60mm & 75mm Polyamide insulation.
WINDOW WALLING	
COMAR 9P.i	High Performance Window, Doors & Framing.

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