



IMAGINE WHAT'S NEXT

## **TECHNAL, THE BRAND OF CHOICE FOR ARCHITECTS**

In addition to its 50 years of experience in creating innovative solutions for aluminium windows, doors and façades, Technal has also gained experience on the five continents where it operates. This legacy has allowed the company to work with a large number of architects, with a global vision to provide effective solutions to the most complex architectural issues.

### **A wide range of solutions for every design**

Technal offers a wide variety of different solutions to create a dialogue between the interior and the exterior of buildings and to design façades that revolve around large glazed surfaces for all markets from construction and residential to new buildings and renovations. Curtain walling, windows and doors are available in many different versions and thus offer appropriate solutions to the different needs expressed by the industry's professionals.

The company also offers more specific products in order to meet all the requirements: conservatories; balustrades; internal partitions; security doors; fire protection systems; bullet- and burglar-proof products; shutters; solar protection; and more.

Technal solutions are adapted to each country and its specific regulations, enabling them to provide innovative products with quality levels that meet, and often exceed, the demands of local requirements.

### **Innovative visualisation tools for architects**

Building Information Modelling (BIM) is an intelligent 3D model-based process that gives architectural professionals the opportunity to plan, design, construct and manage buildings more efficiently. Its aim is to manage a building's life cycle—from initial design through to operation, maintenance, dismantling and recycling. After consultations with leading architects, Technal has developed the Tech3D software to fulfil these expectations.

With this software, architects are able to create windows, sliders, folding doors, façades, etc., at the design stage of their projects. The application offers views in 3D—it is possible to place any mullion or transom and select a variety of colours for an ideal rendering. Commercial and technical information will also be attached to each object to enrich the 3D drawing.

Once the project has been modelled, architects can easily export to other 3D or BIM applications with DWG, IFC or SKETCHUP formats. In addition, a specific plug-in that is embedded in the application has been developed for those using REVIT from Autodesk or ARCHICAD. The objects produced in Tech3D® can be exported to TECHDESIGN (the quotation and fabrication software used by Technal fabricators). This direct integration enables users to reduce errors in the parameter input and obtain an estimation of the project; the time saved in redesigning the construction will speed up feedback.

### **About the company**

The Technal brand is part of Hydro, a world-leading Norwegian extrusion company. The company has around 35,000 employees that are involved in activities in more than 40 countries in all continents. The group is a global integrated aluminium company with production, sales and trading activities throughout the value chain, from bauxite, alumina and energy generation to the production of primary aluminium, rolled products, extruded products as well as recycling.