



EUROPEAN ALUMINIUM AWARD 2009



ALUMINIUM IN RENOVATION

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ALUMINIUM IN RENOVATION

Winning a prestigious prize such as this European Aluminium Award not only serves as recognition of your innovative approach to aluminium and architecture, but is also an important stimulus that helps to promote your company.

The Aluminium in Renovation Award 2009 involved 14 European countries, a series of national competitions and a European final rewarding the most sustainable and original uses of aluminium in building renovation.

For this second edition particular attention has been paid to ENERGY EFFICIENCY.

The National competitions are sponsored by the Aluminium For Future Generations programme (AFFG), in cooperation with the National Aluminium Trade Association's members of the European Aluminium Association (EAA) or the Federation of European Window and Curtain Wall Manufacturers' Associations (FAECF).

The European contest is sponsored by the Building Group of the European Aluminium Association.

For every renovation project

Architects, principals or property owners, project developers and building-engineers are invited to enter.



In order to be eligible, projects or buildings must be located in Europe.

The concept of 'aluminium in renovation' will cover not only renovation, but also restoration and reconstruction.

2 Categories

European Aluminium Awards will be given in 2 categories:

1. RESIDENTIAL

- Private houses
- Collective housing/apartment buildings
- Social housing: houses & apartments

2. NON-RESIDENTIAL

- Utility buildings: commercial, industrial
- Public buildings: museums, town halls, etc.
- Historic buildings: churches, castles, etc.

The European Aluminium Award winners receive a prestigious trophy and a winner's certificate.

In addition, the most significant contribution to energy efficiency across these two categories will receive the JURY PRIZE for ENERGY EFFICIENCY.

In addition to this, and by jury decision, special prizes can be won for 'special achievement' projects.

Selection and Nomination

In each category the selection committee at national level will assess the entries with respect to the completeness of its documentation and whether they meet the regulations. Entries that meet the selection criteria will qualify for the National Aluminium in Renovation Awards 2009.

The final winners of the national Awards, of the national Jury Prize and of the additional prizes will be selected by an independent national jury.

The 2 national Award winners; the national winners of a Jury Prize and additional prizes are automatically nominated for the European Aluminium In Renovation Award 2009. The final winners at European level will be selected by the international jury.

EUROPEAN ORGANIZERS



EUROPEAN ALUMINIUM AWARD 2009

ALUMINIUM IN RENOVATION

From the Jury table

For the European Aluminium in Renovation Award 2009, a total of 31 nominated projects are being judged.

The nominations are sub-divided into 9 in the Residential category and 22 in the Non-Residential category.

The concept of 'aluminium in renovation' will cover not only renovation, but also restoration and reconstruction provided the former structure of the building has been maintained – such as changing the function of an existing building (e.g. turning a warehouse into apartments).

A European Aluminium Award will be given in each of the 2 categories:

1. RESIDENTIAL

2. NON-RESIDENTIAL

In addition, the most significant contribution to energy efficiency across these two categories will receive the JURY PRIZE for ENERGY EFFICIENCY.

Criteria

The following criteria have been taken into account when assessing the entries:

- **Significant use of aluminium**
- **Energy efficiency**
- **Life-cycle thinking**
- **Contemporary design**
- **Socio-economic impact**
- **Value added to the original building**



The Jury

The independent Jury consists of members from the worlds of architecture, science and the media:

- **Prof. Jan Brouwer**, architect, the Netherlands, Chairman (former president of the BNA-Dutch Architects Association)
- **Cyriel Clauwaert**, Belgian Construction Certification Association (BCCA), Brussels, Belgium
- **Prof. Sergio Croce**, Professor of Technical Architecture, BEST department (Building Environment Science and Technology), Milan Polytechnic, Milan, Italy
- **Isabelle Chinardet-Cantineau**, architect, Vice-President of the National Union of the French Architects' Associations (UNSFA), Paris, France
- **Alwin Schmitt**, Chief Editor, Aluminium Praxis Magazine, Düsseldorf, Germany *

* represented in the Jury meeting by **Werner Mader**, GDA.

- Secretary: **Bernard Gilmont**, Director Building Group EAA, Brussels, Belgium

Final decisions

Of the 130 entries received on National level, 31 were nominated for the European Final. After due deliberation the jury came to the following unanimous decision: 2 Awards, 4 Special Prizes and 2 Jury Prizes are given.

The Jury takes great pleasure in observing that the quality of the renovation projects nominated is of an increasingly high standard. The jury was impressed by the careful use and well-considered design of the material aluminium taking into account the architectural quality of the buildings to be renovated.

JURY PRIZE ENERGY EFFICIENCY

After due deliberation among the jury, the special prize for energy efficiency led to a unanimous decision for an award ex aequo due to outstanding energy efficiency approaches both in the Residential and Non-Residential Category.

For the Jury,

A handwritten signature in black ink, appearing to be 'Jan Brouwer', written over a vertical line.

Prof. Jan Brouwer
Chairman

WINNER EUROPEAN ALUMINIUM IN RENOVATION AWARD 2009

Category RESIDENTIAL



LoftLiving Ackermannfabrik, Augsburg, Germany

**Nething Generalplaner Architekten, Ulm/Neu-Ulm /
Metallbau Glock, Donauwörth**

The new aluminium windows and doors add a modern touch to the former textile factory whilst taking aspects of building conservation into consideration. The high windows with their narrow profiles still let in the daylight, something that was so important for the interior of the former textile factory; the modern window profile contributes to a level of thermal insulation geared toward future requirements.

The special shape of the window profiles resembles the appearance of the previous steel windows.

From the Jury:

The jury was impressed by the careful use and well-considered design of the material aluminium taking into account the interesting architectural quality of the building complex.



EXTRA PRIZE FOR SMALL-SCALE RENOVATION

Category RESIDENTIAL



Residie Huybens Otten, Herent, Belgium

**Denef Mattelaer Oosters Architecten (DMOA), Heverlee /
Schrijnwerk Alu-V, Wommelgem & Industriebouw
Schriers, Peer**

In this renovation of a detached property from the 1950s, the badly positioned rear structure was replaced with a 'light' aluminium mass on a concrete base, in which one side hovers over the premises and the slope down to the cellar. In order to arrive at a peaceful harmony between existing and new, a restrained syntax was chosen. This break with the existing building is accentuated by the choice of profiled aluminium sheets as siding. Owing to the narrow gauge of the profiled aluminium (15/40mm), the connotation of the industrial disappears and it lends the property its own modern character.



From the Jury:

This project comprises a modest but carefully executed extension of an existing property. The dark room stands out in a positive way due to a good application of aluminium siding which has been partially perforated. Even the detail has been implemented with care and restraint.

JURY PRIZE FOR ENERGY EFFICIENCY

Category RESIDENTIAL



De Torenflat, Zeist, The Netherlands

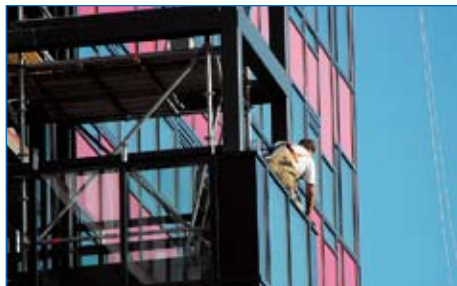
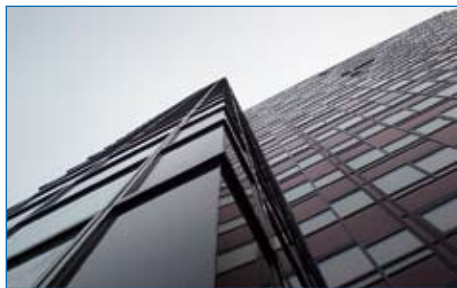
**Frowijn de Roos Architecten, Zeist /
Kremers Aluminium, Tilburg**

The Torenflat (high-rise apartment block) contains 484 apartments on central corridors on 19 residential levels. One of the important objectives of the renovation, which was carried out entirely whilst people were living in the building, was the elevation of all thermal bridges in the complex. This was tackled by enclosing the whole building in a 'warm jacket', a thermal skin comprising fully prefabricated aluminium façade units. By enclosing the building in this way, balconies were turned into loggias, thereby considerably increasing the duration of use of these outdoor spaces during the year. The traditional 'layer cake' appearance of the block has been transformed into a monolithic character.

From the Jury:

The new thermal skin in aluminium and glass makes it possible to considerably extend use of this high-rise apartment block. This resolves the thermal bridges and the original balconies are added to the living area in the form of loggias. The prefab aluminium façade units were extremely well suited to carrying out such an operation. An apartment was given a new skin in one working day.

It combines minimal investment with a maximum of social economic impact. An outstanding performance and a model for future renovation of energy-efficient apartment buildings of this type all over the world.



NOMINEES

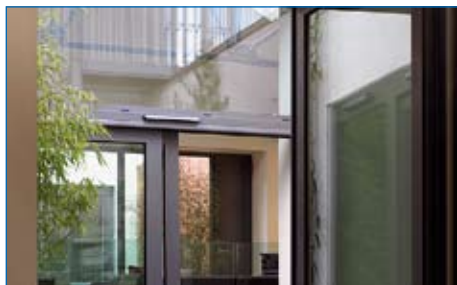
Category RESIDENTIAL



Gloucester Studios, London, United Kingdom

DMFK Architects, London

Windows, acoustic screening, roof lights, balcony balustrading, roof panels, extruded light fittings, all copings and roof trims. A beautiful living/working complex that weaves good space back into the city and incorporates appropriate use of aluminium, with elegant detailing.



After renovation it achieved a 15% improvement in energy efficiency than was set down in building regulations.



La Corte dei Tigli, Persiceto, Italy

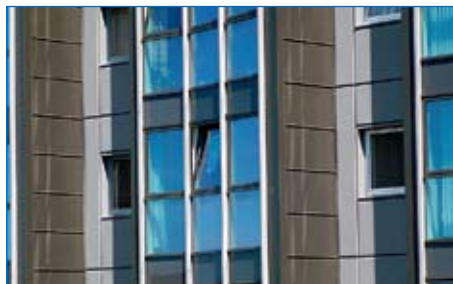
Arch. Silvia Baietti and Arch. Gianna Pirito

Transformation of Ex hospital San Giovanni in Persiceto into 'La Corte dei Tigli' apartment building.



NOMINEES

Category RESIDENTIAL



Nordbo, Aalborg, Denmark

Kai Andersen A/S, Civilengineer

Façade renovation of a 16-storey block of flats. The new façades include new and better insulation material, alu-curtain walls, alustructures and aluminium cladding. The total quantity of the façades is approximately 8000m².



Spinnerij De Stoop, Kortrijk, Belgium

Architect Bart Van De Kerckhove, Kortrijk /

Durv Schrijnwerk, Zottegem

Transformation of this former spinning factory into a modern loft, taking aspects of building conservation into consideration.

Using a slim aluminium profile system, the old building retains its former monumental look.



NOMINEES

Category RESIDENTIAL



Villa Daguét, Capestane, France

Plan M. Daguét, Capestane

Transformation of an old farmhouse into a contemporary and cosy loft thanks to the aluminium solution.



Villa Hernan, Castries, France

JMH Concepteur, Castries

Renovation of traditional housing into contemporary and modern housing. Completion in 3 phases. First phase finished June 2009.



WINNER EUROPEAN ALUMINIUM IN RENOVATION AWARD 2009

Category NON-RESIDENTIAL



Corriere della Sera, newspaper headquarters, Milan, Italy

**Gregotti Associati International Architects, Milan /
Installation Focchi, Rimini**

This was a difficult and complex renovation project. It entailed finding a pertinent, all-embracing solution to the renovation requirements of a city centre block whose stratified development over the years had created an irregular ground plan comprising a series of heterogeneous units. The requirements were not just to restore formal unity and identity to a cluster of buildings but to ensure their functional practicability and compatibility with state-of-the-art technology, making the complex compliant with current safety regulations and appropriate for IT production techniques that have revolutionized the world of the printed press.

From the Jury:

The materials used are the key to the underlying theme of integration into the wider urban fabric and the creation of a uniform complex. The large aluminium-framed windows and the aluminium cladding with the antique effect presents an imposing appearance with a nod to the past.



EXTRA PRIZE FOR SMALL-SCALE RENOVATION

Category NON-RESIDENTIAL



Elsa Morante Public Library, Lonate Seppino, Italy

DAP Studio architects, Milan /
Contractor Gruppo EDILIA, Torino

The 'Elsa Morante' municipal library occupies the renovated former Oratory of San Michele and the new extension. The concept underlying the whole project was the dialogue between ancient and modern.

The library's extension has a curtain wall exterior. The outer envelope is in sheet, finely perforated with linear rows of 3 mm holes. Most of the panels are modular in design. They vary, however, in the graduated horizontal spacing between perforations. The panels have been laid so that the spacing between perforations becomes progressively narrower towards the top of the building, in keeping with its stereometric dimensions.

From the Jury:

This project shows a fine understanding of combining new and old. It's an outstanding example of the Italian feel for design and beauty. The detail is excellent and the use of aluminium components in this poetic building is exemplary.



EXTRA PRIZE FOR ROOFING SOLUTIONS

Category NON-RESIDENTIAL



Hochschule für bildende Künste, Dresden, Germany

CODE UNIQUE Architekten, Dresden /
Metallbau Böhme Haustechnik,
Boxdorf & Henke Dächer Fassaden, Dresden

The arrangement of the composite aluminium panels as an optical roof covering gives the metallic covering skin a smooth appearance that creates an exciting relationship between the substance of the historic building and the technically modern roof design and links the individual wings of the whole complex.

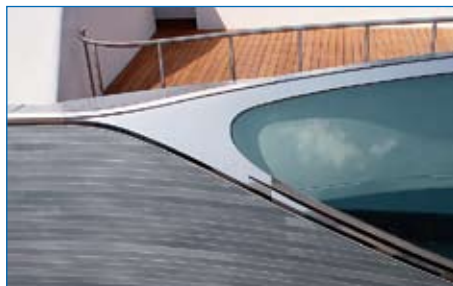
From the Jury:

What impressed the jury here was the unusual design of the roofing, which comprises composite aluminium panels arranged on top of profiled aluminium sheeting. Besides innovative detailed solutions for the connections to the solar shading elements, the complex overall construction is characterized by a ventilation space that is extremely efficient in physical terms. From an aesthetic point of view, particular attention has also been given to smooth integration of the photovoltaic modules.



EXTRA PRIZE FOR INNOVATION & DESIGN

Category NON-RESIDENTIAL



10 Hills Place, London, United Kingdom

Amanda Levete Architects, London /
Frener & Reifer Metallbau, Brixen

This is a very interesting project just off Oxford Street, London. Aluminium strips have been bent, twisted and secured onto sculptural armatures to create inverted eyelids opening to the sky from the narrow street. The form is zoomorphic and simultaneously reminiscent of a hull construction.

From the Jury:

We decided by consensus to create an additional prize for innovation & design for this project.

This is a very interesting project in many ways when you look at the transformation achieved with this aluminium rainscreen cladding. The form of the interior is not exactly the same as the form of the exterior, but there is a relationship between the internal architecture and the external architecture.

Because of its inventive use of aluminium extrusions to make a sort of ship's sail detail that is doubly curved, I think this is a practice that really understands aluminium and what it might achieve. It is a very intelligent use of aluminium and it is very evidently an aluminium project. To borrow an old phrase, you can see the power of aluminium and the inventiveness of the architects. Consequently they are a worthy winner of this extra prize for innovation & design.



JURY PRIZE FOR ENERGY EFFICIENCY

Category NON-RESIDENTIAL



ENERGIA Building, Paris, France

Architecte DTAAC, Paris/

Construction FACE Ile-de-France, Perigny-sur-Yerres

The renovation and reconstruction of this building near the Saint-Lazare station show a nice combination of contemporary aesthetic, homogeneous and modern design. Furthermore, the main goal of this renovation is energy efficiency and environmental benefits achieved through noise reduction, waste and dust reduction. After completion, the building met the High Environmental Quality (HEQ) standard. The best qualification possible.

From the Jury:

The Jury was impressed by the nice and careful detailing in the way the windows and cladding were applied. The outstanding energy efficiency and environmental performance makes this project an absolute energy efficiency winner in the Non-Residential Category.



NOMINEES

Category NON-RESIDENTIAL



Archivio di Stato, Rome, Italy

Gabriele Napolitano, S&PA Servizi, architects, Rome

Archivio di Stato designed by architects M. De Renzi and G. Pollini in 1938, is a listed heritage site.

The original iron window frames and the single-glazed panes did not meet current building energy-efficiency regulations. New aluminium window frames were chosen on the basis of aesthetics and compliance with heat-conductance standards, also taking into account their high wear and weather resistance, even without maintenance, and the excellent weight-solidity ratio.

The renovation has placed this building on a technological par with its modern counterparts while enhancing its historic value as part of Italy's architectural heritage.



Bedrijventrum Kempen, Geel – Belgium

Architectenbureau dmva, Mechelen / Gevelbouw C. Vosselmans, Loenhout

Transformation of an old fashioned industrial building into a modern multifunctional business centre. The façade design is based on the black and white barcode pattern using coated click lists in combination with aluminium sandwich panels.



NOMINEES

Category NON-RESIDENTIAL



Castlemilk Stables, Glasgow, United Kingdom

Elder & Cannon Architects, Glasgow

Aluminium curtain walling, doors and flashing. What is really delightful about this project is that it takes a more or less ruined historic building in Glasgow and injects new life into it. There is a delightful contrast between the contemporary glass and aluminium elements and the masonry construction of the stables.



Centrale Vodafone, Ivrea, Italy

Dante O. Benini & Partners Architects

Renovation of the Central ICO building of the former Olivetti complex in Ivrea, with the aim of restoring and refurbishing the building. Designed in the early 20th century by architects Figini and Pollini, the ICO structure is now the headquarters of Vodafone Italia.

The new façade required the development of a new system of aluminium profiles for the curtain walling frame, whose profiles have thermal breaks, and low-emissivity, insulating safety glass to ensure compliance with all health, safety and building-efficiency regulations.

NOMINEES

Category NON-RESIDENTIAL



Gedimino 9 shopping center, Vilnius, Lithuania

PLH Arkitekter, Copenhagen

Refurbishment of the former Town Hall into a high profile shopping mall respecting and highlighting the façade's historical assets.

A glass/aluminium dome covers the original court yard. The segments are formed in eye-catching triangles with the apparently small cross-section profiles. This enabled reduction of the weight of the construction and simultaneous optimization of the use of natural daylight.



Las Palmas, Rotterdam, The Netherlands

**Bentham Crouwel Architecten, Amsterdam /
Sorba Projects, Winterswijk & Inteco, Bostel**

Extension of a historic building in the Rotterdam harbour area. All visible cladding panels of the inner and outer skin are of aluminium.



NOMINEES

Category NON-RESIDENTIAL



Ministry of Finance, Den Haag, The Netherlands

**Meyer en van Schooten Architecten, Amsterdam /
Scheldebouw, Heerlen**

Thanks to the use of aluminium, the renovated building of the Ministry of Finance in the Netherlands now has a modern and attractive look. Windows, doors, curtain wall and cladding systems used fulfilled the architectural requirements as well as specific preconditions pertaining to energy saving and maintenance.



Music Pavilion German School, Valencia, Spain

FAS Arquitectos, Valencia

Situated inside the patio of the German School of Valencia, the pavilion planned and implemented has a façade which can be dismantled for open-air concerts or simply for teaching music.



To fully integrate itself into the complex, both the façade and the unusual roof are covered with perforated aluminium panels. This allows complete uniformity, even taking into account openings for natural lighting, whilst at the same time reflecting its surroundings, which provides a further contribution toward integrating it into them.

NOMINEES

Category NON-RESIDENTIAL



New Cavendish Street, London, United Kingdom

Sturgis Associates, London

Vertical and horizontal aluminium bris soleil. Aluminium windows, atrium and glazed lift shafts. A powerful study in the use of enclosure and well-crafted bris soleil to reduce energy consumption and enhance an existing structure's urban profile. Clearly a better building after its refurbishment.



Nexus Place, London, United Kingdom

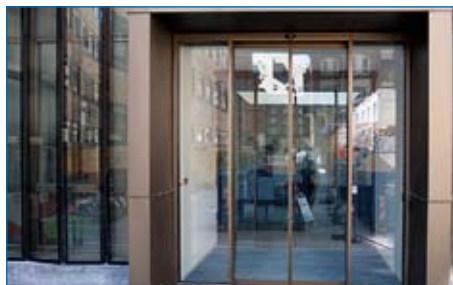
Sturgis Associates, London

Aluminium structural glazing and aluminium windows to the lower floors. Intelligent use of aluminium used to support structural glazing. Bold saw-tooth modelling of the new facade makes for dramatic combination of reflection and shadow.



NOMINEES

Category NON-RESIDENTIAL



Njalsgaarden, Copenhagen, Denmark

PLH Arkitekter, Copenhagen

This tripartite, high-quality building has been renovated and upgraded into a modern administrative building. Bronze anodized aluminium panel sections matching the shade of the original buildings adds a unique visual appearance to a new glass/alu façade in the former court yard and to a new additional entrance to the building.



Restoration house to offices, Athens, Greece

D. Billis & partners, Athens

Addition of a 6-level office building to a listed neoclassical building in the Ambelokipi area in Athens. The aluminum profiles are not visible, thus creating a single reflective surface which, depending on the angle of vision and owing to the successive reflections of surrounding buildings and the sky, dematerializes and projects the neoclassical building's façade.

NOMINEES

Category NON-RESIDENTIAL



School of Industrial Engineering, Vigo, Spain

Architect Mr. Alejandro Martínez García, Vigo

Renovation of the roof of the School of Industrial Engineering of the University of Vigo.

The new roof consists of profiled aluminium sheets which are anchored by means of clamps on aluminium fastening clips. A 50KW solar/thermal installation will be placed on the renovated roof. This will have a cooling function and allow generation of hot water during the summer, and will heat the building during the winter.



Skrapan, Stockholm, Sweden

**A & P Arkitekter, Stockholm /
Scandi Front, Täby**

Skatteskrapan ('The Tax Scraper') is a skyscraper in Stockholm, and was designed for the Swedish National Tax Board. It served as the office of the Tax Board until 2003. In 2008 the building was rebuilt.

The official name of the new building complex is now Skrapan ('The Scraper'). In the rebuilding process a new floor with a skybar was added increasing the floor count from 25 to 26.

The rebuilt scraper now has stores, restaurants, offices, conference room as well as student apartments. Over 100 tonnes of aluminium was used for the new doors, windows and façades.



NOMINEES

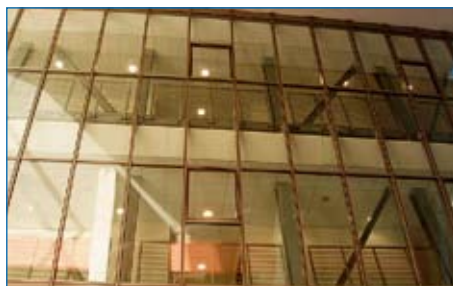
Category NON-RESIDENTIAL



Stadio Torino, Torino, Italy

Luciano & Giovanni Cenna, Artecò, architects, Verona

The designers' brief was to renovate and refurbish all structural and architectural elements, with the addition of new architectural features, and to make the stadium fit for public use once more. Key new element is the third spectator ring with aluminium window frames.



St. Brigid's School, Manchester, United Kingdom

Walker Simpson Architects, Manchester

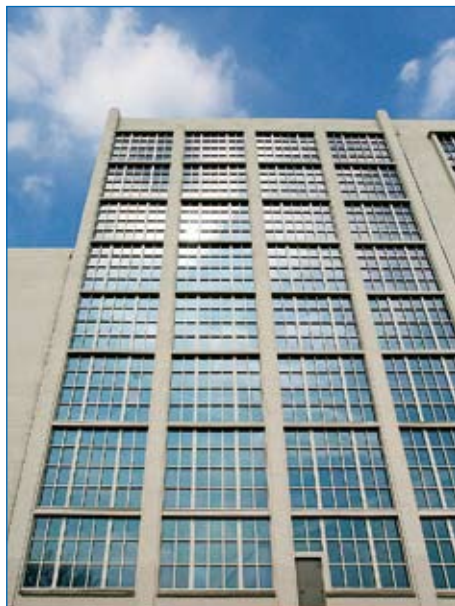
Reclaimed aluminium road planks were used to create a sleek and modern façade for the school.

A reclaimed shipping container was used to provide additional storage and to support canopies that frame the remodelled entrance.

Using reclaimed aluminium the carbon impact of this building has been dramatically lowered.

NOMINEES

Category NON-RESIDENTIAL



Triage Lavoir de Binche, Binche, Belgium

Architect TPF-Engineering & Arcoteam, Bruxelles/
Constructeur Henri DETHIER Fils, Waimes & Atalu, Ath

Renovation of a former industrial building into a business centre. Coated light grey, the energy-saving aluminium architectural system used lent the building its former concrete-window look.

The bi-annual European Aluminium in Renovation contest is sponsored by the Building Group of the European Aluminium Association.

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