



For Immediate Release

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International Aluminium Institute Launches Global Green Architecture Website

THE FUTURE BUILDS ON ALUMINIUM

<http://greenbuilding.world-aluminium.org>

29 June 2009 -- The International Aluminium Institute (IAI) Chairman Artem Volynets today welcomed the launch of a new content-rich [Green Architecture Website](http://greenbuilding.world-aluminium.org), which highlights the advantages of using aluminium in architectural design. Recognising the demand from architects around the world for up-to-date and easy to digest information, IAI has developed an online resource of the unique properties of aluminium building applications, as well as their environmental impacts.

Launched today at the *China Aluminum Fabrication Forum*, the website features some of the world's leading architects and their groundbreaking designs for green buildings which utilise aluminium applications in innovative ways. It also provides credible and accurate life cycle data, which underpin and support the aluminium industry's sustainability and the sustainability of its products.

Commenting on the Green Architecture Website, Mr. Volynets said "Through the IAI, the aluminium industry aims to promote a wider understanding of its products and manufacturing processes and to affect positively the sustainability of the industry, the communities in which it operates and the global communities that every day rely on its products. The Institute is excited to provide architecture and design professionals with this unique pathway to the world of aluminium, the metal of the XXI century."

Launching the website Chris Bayliss, Director Global Projects of IAI, said "We are pleased to take advantage of this respected forum, to present some creative thinking on promotion of this healthy, safe and environmentally sound metal, as a preferable and so far underused material for architects. The use of aluminium building products is revolutionising the way that designers are conceiving and realising sustainable buildings, meeting the needs of present and future generations for economical, functional, beautiful spaces, while reducing carbon and energy footprints."

This website was created by [Interstruct Berlin](http://www.interstruct.com) for the International Aluminium Institute, in cooperation with national and regional aluminium associations around the world. IAI members are collectively responsible for up to 80% of global primary aluminium production and around 20% of recycled metal production.

The IAI reflects the aluminium industry's wish to promote wider understanding of its activities and its responsibility of approach on questions of environmental protection, public health and safety in the workplace.

In the context of increasing importance of green building schemes around the world the website highlights the sustainable life cycle credentials of aluminium:

DURABLE: The aluminium curtain walling system of the Hongkong and Shanghai Bank looks as crisp as the day it opened in 1986. (*Foster & Partners*)

FLEXIBLE: The interior space of the Chilean Architecture Biennale Pavilion enjoyed natural light, airiness and unobstructed views though the use of an innovative woven aluminium façade. (*Assadi & Pulido Architects*)

SYMPATHETIC: The Nasher Sculpture Center in Dallas, Texas, conceptualised with the use of cast aluminium shells, is a synthesis of nature and building' (*Renzo Piano Building Workshop*)

LIGHT: The specification of aluminium cladding material for the Netherlands' Halfweg Silos was especially advantageous because of its lightness. (*Soeters Van Eldonk Architects*)

POWERFUL: Aluminium supports for the Sino-Italian Ecological and Energy Efficient Building's photovoltaic panels ensure that it is provided with green energy and solar protection all year round. The SIEEB showcases the potential for reducing CO₂ emissions in the building sector in China. (*Mario Cucinella Architects*)

ECONOMICAL: Since the aluminium Yanchep Bridge in Western Australia requires no maintenance, a reliable cost analysis over the entire useful life is possible. (*Peter Maier Leichtbau GmbH*)

RECYCLABLE: For Rich Mix, an East London intercultural arts centre, aluminium was chosen for its ability to be recycled; conserving the energy used in its production. (*Penoyre & Prasad Architects*)

STRONG: Ballingdon Bridge in England is capable of arresting a 42 tonne truck yet appears to be an elegant pedestrian handrail, its strength being achieved by a combination of purpose made aluminium extrusions and stainless steel castings. (*Michael Stacey Architects*)

HIGH RECYCLING RATES: Between 92% and 98% of architectural aluminium in Europe is collected and recycled after use. (*Professor em. Udo Boin, Delft University of Technology*)

GLOBAL IMPROVEMENT: The aluminium industry has taken a leadership role by establishing a uniform and quantitative, global approach to energy and greenhouse gas emission reduction goals for its production facilities. (*Ron Knapp, IAI Secretary General*)

CRADLE TO CRADLE LIFE CYCLE: Today, approximately 75% of all the aluminium ever produced is still in productive use, having been through countless loops of its lifecycle. (*Ken Martchek, IAI Energy and Environment Committee Chairman*)

RESPONSIBLE MINING: The IAI's 4th Sustainable Bauxite Mining Report 2008 shows that the annually rehabilitated area of existing bauxite mines is now equal to the area being opened up every year. (*Dave Olney & Steve Healy, IAI Bauxite and Alumina Committee Co-Chairmen*)

URBAN MINING: Globally, it is estimated that buildings and their content comprise some 400 million tonnes of aluminium, which can be extracted and reused by future generations time after time, requiring only about 5% of the energy originally used to extract and process aluminium from more traditional geologic sources. (*Prof Thomas E. Graedel, Yale School of Forestry and Environmental Science*)

For more information please visit <http://greenbuilding.world-aluminium.org>