



INTERARCH Building Products Newsletter

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Director's Epistle

Dear Readers,

Interarch is proud to launch Building Innovators Knowledge Speak for the Interarch Building Innovators community. Knowledge speak will cover and feature regular updates on Steel & Metal Building Industry, construction updates, technical updates on technology, and will also release a tabloids though regular online & print communication by dignified speakers of the industry.



It will give an opportunity to all Building Innovators members to share their expertise and experience with the complete architectural and industrial fraternity on various topics related to steel construction and metal building design.

We will be releasing detailed information document of the same through separate communication that will reach you shortly along with honorary membership form to join Interarch Building Innovators

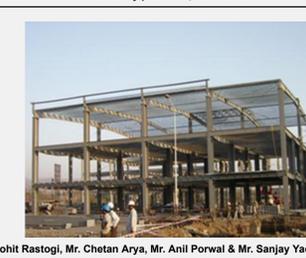
Best Regards,
Arvind Nanda & Gautam Suri
Founder Directors - Interarch Building Products

Interarch Heavy Steel Solutions the first Pre-Engineered Steel Multi-Storey Office Complex in India

Interarch engineered, manufactured & delivered the first Pre-Engineered Steel Multi-storey office complex in India for Reliance Industries Ltd in the year 2006. The Reliance office space is a G+2 multi-level building built to be the head quarters of the Reliance Mukesh Ambani Group. It covers almost 50,000sq mt of office space and accommodates a 5 star office facility inside a completely pre-engineered steel structure clad with structural glazing and aluminum composite panels. The Roof system of the buildings is Interarch Tracdek SS-2000 standing seam single length panels.



Project Name	Reliance Industries Ltd, Corporate Park
Site Location	Navi Mumbai
Building Usages	Corporate Office
Project Area	50,000 Sq. M The Reliance Corporate Park is India's first and largest completely pre-engineered commercial office building.
Special Features	Ground + 2 floors pre-engineered building constructed in less than 7 months Complete turnkey project executed which included Utility platforms, Elevator shafts and roof system



Congratulations to the winners of the Trivia Question: Mr. Rohit Rastogi, Mr. Chetan Arya, Mr. Anil Porwal & Mr. Sanjay Yadav

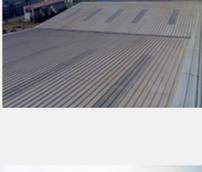
Interarch Contribution to the Environment: Siting and Structure Design & Efficiency

The foundation of any construction project is rooted in the concept and design stages. The concept stage, in fact, is one of the major steps in a project life cycle, as it has the largest impact on cost and performance. In designing environmentally optimal buildings, the objective is to minimize the total environmental impact associated with all life-cycle stages of the building project. However, building as a process is not as streamlined as an industrial process, and varies from one building to the other, never repeating itself identically. In addition, buildings are much more complex products, composed of a multitude of materials and components each constituting various design variables to be decided at the design stage. A variation of every design variable may affect the environment during all the building's relevant life-cycle stages



TRACDEK® Engineered Roof Systems v/s GI Roof

Tracdek Engineered Roofing	G.I Roofing
Tracdek roofing system is designed, engineered and customized system made to suit the requirement of the client	G.I roofing are not customized and engineered roof system and is available in standard length panels and is manually cut and installed at site as per site conditioned
Maximum single sheet length is 12 meters for screw down Tracdek Hi-Rib systems and limitless length for standing seam SS-2000 systems	Maximum single sheet length 3 meter
100% water tight sheeting system as the sheet has well designed side laps and fasteners that do not allow water seepage	Leakage due to poor side lap design and non standard fasteners
Aesthetically better and can be ordered to any colour specification	Standard colours and non-compatible colour coding
Heat transfer is less as Bare Galvalume reflects light better and due to its alloy coating, absorbs less heat	Heat transfer is high as it is an untreated GI surface
Has the capacity to withstand high loads depending on the grade of material used	Cannot withstand high loads as the grade of the sheet cannot always be determined
1st maintenance min after 20 years, Non corrosive	Corrosion ratio depends on the grade of material
Roll formed profile systems with various profile available	Press made
Tensile strength of 550MPa	Tensile strength is poor
Cut edges are covered with Galvalume alloy coating which protect sheet from corrosion	Cut edges in the GI sheet are opened and prone to corrosion very fast
After sale services are taken care of due to Organized sector	No guarantee of after sale service by shop keepers



Project Spotlight: EPACK Polymers Pvt. Ltd., Greater Noida

Project Name	EPACK Polymers Pvt. Ltd.	EPACK Polymers Pvt. Ltd.
Building Usage	Manufacturing Facility	Office Building
Length	75.25 M	53.45 M
Width	53.45 M	10 M
Height	8 M Clear	10.85 M
Project Area	4022 Sq. M	535 Sq. M
Special Features	EOT Crane of 7 Tonne Capacity with 5.5 M bracket height High standards safety procedures were followed for the buildings	Ground+2 Building High standards safety procedures were followed for the buildings 1st Floor : 3.75 M Height 2nd Floor : 3.75 M Height 3rd Floor : 3.35 M Height



Customer Testimonial

We appreciate the efforts, resources deployed and cooperation extended put in by the team of Interarch Building Products Pvt. Ltd. at all stages, for the satisfactory and timely completion of this project. We wish them success for all their future assignments.



For ABB LIMITED,

Authorized Signatory

New Project Wins

- Utikal Alumina International Ltd, Orissa
- The Bombay Dyeing & Mfg. Co. Ltd, Maharashtra
- Severn Glocon India Pvt Ltd in, Tamil Nadu
- Orient Craft Ltd., Hyderabad



Projects Completed

- Jaguar Land Rover Service Center, AMP Motors Pvt. Ltd, Gurgaon
- N S Ventures, Mandideep
- Centurion University of Technology and Management, Bhubaneswar
- Tata Motors Ltd, Pune
- Trans India Nonwovens Pvt. Ltd, Jaipur



Press Coverage

- B2B Purchase
- Civil Engineering & Construction Review



Industry Spokesperson: Ar. Prabhat Bhargava, Gwalior

Bhargava Building Atelier (P) Ltd. is a renowned architect firm established by Architect Prabhat Kr. Bhargava in Gwalior. He is civil engineer having vast experience of 30 years in engineering & consulting services. He had done M.Tech from Roorkee University.



Bhargava Building Atelier Pvt. Ltd. has completed large number of projects. Which includes Industrial, Residential, commercial, urban designing and landscaping, Building material & Soil Testing, and Surveys etc. One of his favorite projects is Captain Roop Singh Cricket Stadium at Gwalior.



According to him, role of an architect is changing day by day towards modular design. To ensure stability Indian building system needs to work on different Climatic conditions. His top three Pre-Engineered works are manufacturing unit of Tripti Alcobrew Ltd., Krishna Electrical Pvt. Ltd. & Agro Solvent Products Pvt. Ltd. For longer building life and maintenance he suggests cracks/ deflection should be checked immediately as and when they arise.



Nuts & bolts must be checked after every 2 years, maintenance of drainage systems is also very necessary. He stated that at present 60% of the constructions is on the pattern of Pre-Engineered Buildings in M.P. region and Food and Textile Industries are two hot industries where scopes of Pre-Engineered Building construction are large & diversified.

Events at Interarch

Building Innovators Close Group Seminar



Diwali Festival Celebrations & Rangoli Competition at H/O Noida



Building Made Possible in Steel: Tataru Bridge, Japan



- It is located at the center of the Honshu - Shikoku Bridge on Nishiseto Expressway.
- One of the world's longest cable - stayed bridge
- **Total Steel Weight: 30,000 Tons**
- **Length of 1480 m**
- **Width of 30.6 m**
- Max Cable Length - 460 m
- Length is divided in 3 spans of 270m, 890 m in the center span & 320m.
- The TATARU Bridge is the 2nd longest cable-stayed bridge in the world.
- Construction of the bridge took a little more than six years and was accomplished without any accidents
- A 3D wind tunnel test was carried out during the design stage to verify its wind-resistance stability.
- The towers are inverted Y shaped steel structures, with slits in an upper tower for aesthetics, as well enhanced aerodynamics.
- The suspended girders are primarily stream-lined steel box girders, but pre-stressed concrete girders make up the end spans supported by the intermediate pier to act as a counter-balance to the weight of the main span.
- A sidewalk for motorized bicycles & Pedestrians
- Cables Installed in 21 levels were Two - plane multi - fan Cables

