



INTERARCH QUARTERLY NEWSLETTER

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MESSAGE FROM OUR DIRECTORS

We are very happy to reach out to all Interarchs through this newsletter. Team Interarch has done a super job in the past 2-3 years to make Interarch a preferred partner to the best and largest companies in India. Many new foreign companies coming to India have chosen Interarch to build their new plants and warehouses. Most large and reputed Indian companies have also chosen Interarch.

Our team is fully ready for this task as a part of Interarch 2.0. We have improved our marketing and sales, production and delivery quality, and project execution all over the country. Supplying international quality buildings and making Interarch into a BRAND is our goal, and Team Interarch is fully ready for it.

The 2023 budget has given a big push to the manufacturing industry and infrastructure. Both of these will enormously help us achieve our goals. Steel is the preferred medium for construction in all fast-growing economies.

The budget has new PLI schemes which will help manufacturing expand. Industry is one of the major users of PEBs, and Interarch will greatly benefit from the measures taken in the budget.

We look forward to an excellent decade ahead. India's Golden Decade, Team Interarch is fully ready for it.



Arvind Nanda
Managing Director

Gautam Suri
Founder Director & CTO

2022 - GOLDEN YEAR FOR INTERARCH

We are thrilled to share with you that Interarch has achieved its best-ever performance in the last financial year. This is an incredible accomplishment, given the fact that the pandemic is not yet over and other companies continue to show red in their balance sheets.



In the last year, we have delivered some of the largest and most complex structures for leading Indian and Multinational companies. Case in point: the project that we successfully executed for the Rudraksha International Cooperation and Convention Centre in Varanasi won us **three back-to-back PEB project of the year awards**. The prestigious project was inaugurated by our honourable Prime Minister and the Japanese delegates.

Continuous patronage from renowned business houses like **JSW Steel, Bluestar, ReNew Power, Parle Agro, Ceat Ltd, Hindustan Unilever, Indospace, Welspun** etc. gives us immense confidence that the future of INTERARCH is bright and shining. As we move forward, we are committed to build on this momentum and we will continue to drive growth and success.



MILESTONE PROJECTS DELIVERED RECENTLY



Delivered India's largest Solar Panel Manufacturing Facility in Chennai, for a leading American Multinational.



Successfully executed India's tallest multi-storey process building of 63 M height, with heavy functional loads for Unilever India Ltd in Sumnerpur, U.P.



Handed over the world's largest and fully automated eyewear manufacturing facility for Lenskart Solutions Pvt Ltd in Bhiwadi, Rajasthan



Successfully delivered First Multistorey Data Center building for Web Werks India Pvt Ltd in Mumbai, Maharashtra

FUTURE IS DRIVEN BY THE AUTOMOTIVE INDUSTRY

The Indian automotive sector is a vital growth driver for the Indian economy. The Automotive Sector contributes 49% to India's manufacturing GDP and 7.5% to the total GDP. The automotive world is changing, faster than ever before.

The \$222 Bn Indian Automobile industry is expected to reach \$300 Bn by 2026. According to the most recent industry figures, India overtook Japan in auto sales in 2022, moving to third place for the first time. India's sales of new vehicles came in at least 4.25 Million units, crossing the 4.2 Million units sold in Japan. In 2022, the automotive chip crisis began to ease, which served as a launchpad for a comeback.

The Government has launched various initiatives such as the PLI scheme for Advanced Chemistry Cell (ACC), PLI Scheme for the automotive sector and the Faster Adoption of Manufacturing of Electric Vehicles (FAME) to enable the automotive sector to leapfrog from traditional fossil fuel-based automobile transportation systems to environmentally cleaner, sustainable, advanced, and more efficient alternate fuel technologies.



In the Budget 2023, a substantial amount of Rs 19,700 crores has been allocated for the National Green Hydrogen Mission to reduce India's dependency on fossil fuels imports to encourage green mobility. Moreover, customs duty has been exempted on capital goods imported for manufacturing lithium-ion batteries to boost EV domestic production. All this augurs well for the PEB industry.

INNOVATIVE TECHNOLOGY IN CONSTRUCTION

3D PRINTING TECHNOLOGY IS REVOLUTIONISING BUILDING CONSTRUCTION

3D printing is one of the technology disruptors with the potential to radically redefine construction methodologies by accelerating the pace of construction and significantly improving build quality.

3D printing is a process in which material is printed in controlled conditions on a computer, to build a 3-dimensional product, typically layer by layer. It is predominantly used in manufacturing industries to print rapid prototypes, complex shapes, and small batch production using special polymers, metal alloys, etc. Dubai Future Foundation (DFF) achieved a Guinness World Record title for the world's first 3D-printed commercial building in Dubai, United Arab Emirates. The building measured at 6m (20 feet) high, 36.57 m (120 feet) long, and 12.19m (40 feet) wide and was created with just one 3D printer.



The record-breaking office is now home to the Dubai Future Academy (DFA), a knowledge hub that aims to train and prepare new generations that can master emerging technologies. The building took 17 days to print and 3 months to build. The building required 50 percent less manpower to complete when compared to traditional methods of building.

L&T CONSTRUCTION COMPLETES INDIA'S FIRST 3D PRINTED TWO-STORY BUILDING IN 106 HOURS

The 3D printed building, which has a built up area of 700 sqft and is located at Kanchipuram facility, has been built with a special, in-house developed concrete mix using indigenous available regular construction materials. The building was printed with both vertical reinforcement bars and horizontal distributors using welded mesh that satisfy provisions in the Indian Codes and optimise the cost of construction. Barring the horizontal slab members, the entire building structure was 3D printed 'Cast in Situ' at the job site in an 'open to sky' environment within 106 printing hours, using a fully automated 3D printer.



WHY STEEL IS THE OBVIOUS CHOICE

HEATHROW AIRPORT TERMINAL 5



Terminal 5 of Heathrow Airport started operations in 2008. The main building of the complex is the largest free-standing structure made in steel, in the United Kingdom. The main terminal building is 396 metres (1,299 ft) long, 176 metres (577 ft) wide, and 40 metres (130 ft) tall.

Its four stories are covered by a single-span undulating steel frame roof, with glass façades angled at 6.5 degrees to the vertical. The area covered by the roof is the size of five football fields, and each section weighs 2,200 tonnes.

One of the main challenges while constructing was to reduce site work, and this was achieved by providing large pre-fabricated units of up to 55 tonnes each, which were then bolted together, to form the central section of the roof. The arch which is 800 mm wide, up to 3.8 m deep, and is formed from steel box girders.



LATEST TRENDS IN TECHNOLOGY TO WATCH OUT FOR IN 2023

METaverse

Metaverse travel has the potential to dramatically revolutionize how people engage with the travel industry. Imagine digitally touring a hotel on the other side of the world, from the comfort of your home.

By creating three-dimensional replicas of real locations, metaverse travel will create new experiences and new possibilities for people to choose hotels and activities.



In 2023, the metaverse will emerge as a grand concept, that will be based on a single interconnected ecosystem, like the internet. Soon, autonomous metaverse platforms with different features and the capacity to transport assets and things between worlds, may become possible.

There will be a shift in viewpoint, and it will inevitably give rise to new travel patterns and an increasing demand for virtual reality and metaverse travel services. As several companies continue to compete for this space, the future is surely going to look very different.

HEALTH CARE TIP DURING SUMMER

- Stay cool and drink 2 to 3 litres of water daily
- Enrich your diet with fresh summer foods
- Wear breathable & light weight clothing
- Wear sunglasses to protect your eyes
- Draw up an outdoor workout regime
- Reduce alcohol & caffeine
- Give your family and yourself that much needed vacation
- Get plenty of rest
- Keep your skin protected from the sun





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