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Pg.136  
**NEW  
PROJECTS  
INSIDE**



# CARBONLESS

As **ACE Update** marks its 15th anniversary, this special edition reflects a hopeful shift towards carbon-less construction. Through voices from across the industry, we explore how design, technology, and intent are reshaping a more sustainable built future.



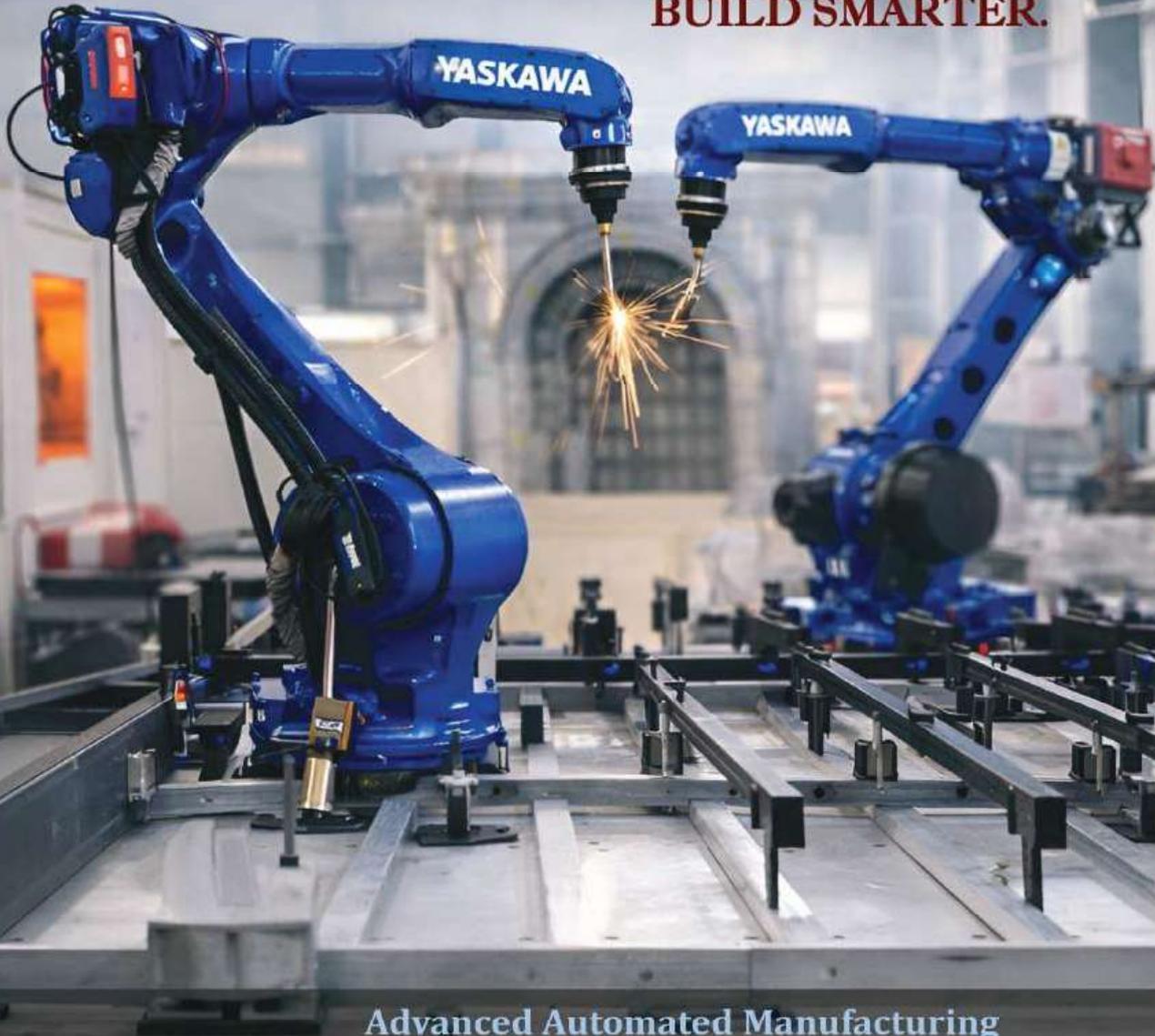
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## PRECISION-LED ALUMINIUM FORMWORK TO DELIVER FASTER, SAFER MONOLITHIC CONSTRUCTION

“By combining engineered aluminium formwork with execution-led innovation, I-FORM is facilitating developers build safer, stronger, and more resilient structures at scale.”



### Venkatesh

Founder,  
I-FORM Aluminium & Design LLP.

In today's rapidly evolving construction landscape, speed without precision offers limited value. As India's real estate and infrastructure sectors continue to expand, developers are increasingly seeking construction technologies that deliver consistency, structural reliability, and predictable outcomes. Aluminium formwork has emerged as a critical enabler of this shift, transforming the way complex projects are planned and executed.

Founded with a clear intent to modernise Indian construction practices, I-FORM Aluminium & Design LLP focuses on delivering high-precision, factory-engineered aluminium formwork technology that supports faster construction cycles while maintaining dependable structural performance. By integrating automated design software and automated manufacturing expertise with strong on-

site execution support, the company has positioned itself as a technology partner rather than a conventional formwork supplier.

#### Leadership that shapes practical innovation

At the heart of I-FORM's journey are its founders, Venkatesh and Mallesh, whose deep understanding of on-ground construction challenges has shaped the company's solution-oriented approach—focused on delivering high-quality structures at speed, through economical solutions that reduce dependency on imported materials and strengthen India's Make in India manufacturing expertise. Their leadership philosophy is built on a simple yet powerful belief—Technology must work in tandem with execution to achieve predictable results.

Rather than viewing aluminium formwork as a standardised product, Team I-FORM has consistently approached it as an engineered solution—one that must adapt to the unique demands of each project. This perspective has enabled I-FORM to support a diverse portfolio of developments, including high-rise residential towers, premium villa communities, commercial buildings, and infrastructure projects, each with distinct structural and execution requirements, successfully transforming complex, challenging designs into practical, buildable solutions.

#### Quality and structural integrity at scale

One of the defining advantages of aluminium formwork lies in the quality and structural integrity it delivers. Manufactured under controlled conditions, formwork components achieve high dimensional accuracy, resulting in smooth, uniform concrete finishes. This precision reduces the need for extensive plastering and rework, allowing projects—such as large residential developments—to maintain consistent quality across multiple buildings. Aluminium formwork also enables monolithic RCC construction, where walls, slabs, and structural elements are cast together. This



### Mallesh

Founder,  
I-FORM Aluminium & Design LLP.

reduces the number of construction joints, minimising risks such as seepage and long-term deterioration, while enhancing the overall durability of the structure.

#### Enhancing earthquake resistance through design

Structural safety remains a critical concern, particularly in seismic-prone regions. Buildings constructed using shear wall systems facilitated by aluminium formwork demonstrate significantly improved earthquake resistance compared to conventional framed structures. Studies indicate that flat-slab systems experience considerably higher storey displacements, while shear-wall-supported RCC buildings show greater stability in both X and Y directions. By enabling accurate shear wall construction and effective load transfer, aluminium formwork contributes directly to safer, more resilient buildings. Building confidence through execution excellence

Guided by a strong leadership team, I-FORM continues to deliver end-to-end support covering design, detailing, manufacturing, and on-site technical assistance. As construction projects grow in scale and complexity, this disciplined, execution-focused approach ensures that technology translates into real-world performance—Empowering developers to build smarter, safer, and stronger.



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