

BARVL Establishes India's Leading Robotic 3D Construction Printing Platform, Partners With Europe's XtreeE

*Robotic concrete printing cell to be commissioned in Q2 2027 at Astraya Experience Centre,
Gurugram*

New Delhi, October 27th 2026: Balaji Anant Raj Ventures Ltd. (BARVL) has partnered with **XtreeE SAS, France**, to bring Europe's most advanced robotic 3D construction printing ecosystem (3DCP) to India, marking the first significant industrial deployment of the technology in the country. The system will be housed and operated under **Astraya**, BARVL's knowledge infrastructure platform. The agreement covers the supply, commissioning, and technology transfer associated with the deployment of XtreeE's robotic construction printing technology, including one complete robotic printing cell with infrastructure in place to scale to four systems.

The printing cell is built around XtreeE's **xHEAD**, a proprietary print head, extrusion and control system integrated on a six-axis industrial robotic arm with material handling and printing. The system enables large-format printing of complex concrete geometries without conventional formwork, facade elements, structural components and non-standard architectural forms. The system will be commissioned in Q2 2027 at the Astraya Experience Centre in Sector 63A, Gurugram.

Aashman Sarin, Founder, Astraya, said, *"The robots are the least interesting part of what we are building. What matters is the knowledge that surrounds them. The material research, the process data, the institutional memory, all of this makes each application smarter than the last. We chose XtreeE because the agreement includes technology transfer, not just equipment. Every print will generate data, every project will generate learning, and every insight will strengthen the next. That is the difference between acquiring a capability and building one."*

Dominique Corvez, President and CEO, XtreeE, said, *"India is one of the world's most exciting markets for construction innovation. Beyond delivering a robotic printing system, this partnership is about transferring knowledge on sustainable construction methods, building local capabilities and enabling a sustainable industrial ecosystem for digital construction. We are delighted to work with Astraya to support this long-term vision."*

The Constructory Lab brings research, material development and production under one roof. A configuration that does not currently exist in Indian construction at this scale. The intent is not to demonstrate 3D printing. It is to build the knowledge infrastructure that makes 3D printing compoundingly useful in the country by understanding how printed concrete behaves across different mixes, climates and structural configurations. Developing material specifications that can be transferred to the next project rather than rediscovered and training the engineers and researchers who will carry that knowledge into the industry.

Designed as a live demonstration and innovation hub, the facility will bring together material testing, robotic production and applied research, while bringing together industry, academia, researchers and policymakers a first-hand experience of next-generation construction technologies. The Experience

Centre will showcase the technology in action, with the building itself incorporating components printed by the system it houses, before expanding deployments. Once operational, the system will immediately support Astraya's residential projects, with institutional opportunities being explored as the next logical frontier.

About Astraya

Astraya is the flagship knowledge infrastructure platform of Balaji Anant Raj Ventures Ltd. (BARVL), dedicated to advancing the future of the built environment. By integrating material science, climate-responsive design, computational planning, robotic construction and digital technologies into a unified construction operating system, Astraya transforms fragmented project data into trusted, actionable intelligence. Its technology-driven approach enables greater precision, predictability and sustainability across the design, construction and lifecycle of buildings and infrastructure. Beyond delivering innovative construction solutions, Astraya is building a continuously evolving knowledge ecosystem where every project contributes intelligence that informs the next. Founded in 2025 and backed by BARVL, Astraya is shaping the next generation of intelligent, resilient and data-driven building systems for India and beyond.

About XtreeE SAS

Founded in France in 2015, XtreeE is a pioneer in robotic additive manufacturing for construction. Its patented technologies combine robotics, intelligent extrusion, software and materials expertise to enable industrial-scale production of concrete components. XtreeE has deployed systems across Europe, North America, Asia and the Middle East, serving industrial and construction companies, research centres and leading universities worldwide. *Today, XtreeE technologies are used by 25+ organizations including Spie Batignolles, Holcim, VINCI Construction, NIST, EMPA, Cornell University, École des Ponts ParisTech and several leading research centres worldwide. The company's portfolio of patented technologies combines intelligent extrusion, robotic process control and advanced software to enable industrial-scale digital manufacturing of concrete structures.* For more information, visit www.xtreee.com.

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