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WOODOO AND BOUYGUES CONSTRUCTION TAKE THE NEXT STEP AS THEY PREPARE TO INDUSTRIALISE AUGMENTED WOOD SOLUTIONS

Woodoo, the global pioneer in augmented wood, and Bouygues Construction have embarked on a new and decisive phase in their strategic partnership. Following 12 months of technical development, the two companies are launching the industrialisation phase of STACK™, a new construction material. This innovative structural solution is based on augmented wood and rivals reinforced concrete and steel in terms of mechanical strength while offering an unmatched carbon footprint.

ADDRESSING INDUSTRIAL AND CLIMATE CHALLENGES

With demand for industrial and digital infrastructure growing at an unprecedented rate, Bouygues Construction and Woodoo have joined forces to achieve their shared goal of providing a competitive alternative to traditional materials while significantly reducing the carbon footprint of the construction sector.

By replacing some reinforced concrete structures with STACK™ augmented wood structural elements, the partner companies are aiming to combine technical performance, economic competitiveness and large-scale decarbonisation.

COMMERCIAL ROLLOUT FOLLOWS AN INITIAL PHASE OF TECHNICAL VALIDATION

The performance of STACK™ for the structural frameworks of industrial buildings and infrastructure has been deemed a technical success. Building on this achievement, the two partners are now moving into the industrial production phase, involving the supply of **an initial batch of 1,000 m³** of structural elements.

In parallel with the launch of full-scale production, Woodoo is also being given priority access to Bouygues Construction's **Scale One** programme, contributing to the pending **ATEX** approval certification (Technical Evaluation of Experiment), the process for which is underway.

Beyond this initial production run of 1,000 m³, the partnership is targeting the **rollout of 10,000 m³ of STACK™**, equivalent to replacing 20,000 m³ of reinforced concrete on new-generation industrial projects, particularly for infrastructure relating to digital applications and artificial intelligence (data centres).

William Nippert, CEO of Bouygues Bâtiment Industrie, said: "As industrial and digital infrastructure continues to expand rapidly, we must take immediate measures to address the issue of decarbonisation. That is what the partnership between Bouygues Construction and Woodoo effectively does: it aims to demonstrate that it is possible to build both more quickly and sustainably, still keeping the environmental footprint under control. The commitment to the industrialisation of STACK™ is an important milestone in bringing this innovation to construction sites."

Timothée Boitouzet, CEO and founder of Woodoo, said: "Woodoo is now entering a phase of industrial production and commercial roll-out. The commitment to the first 1,000 m³ represents a key milestone towards our goal of creating an industrial platform capable of replacing conventional materials in low-carbon buildings and infrastructure."

ABOUT WOODOO

Founded by architect and scientist Timothée Boitouzet, Woodoo is a French technology company specialising in the molecular transformation of wood for the construction sector. With over 80 global patents on “augmented wood,” the company has around forty team members split between its headquarters in Paris and its industrial operations near Troyes, in northeastern France. Woodoo has earned more than 50 national and international awards.

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ABOUT BOUYGUES CONSTRUCTION

Bouygues Construction employs 35,600 people around the world, all driven by the greatest and most exciting responsibility of all – building for life. In more than 50 countries, we improve daily life for millions of people by creating structures and buildings that serve life and address all our needs: shelter, healthcare, education, work, entertainment, travel, access to low-carbon energy, etc. At every stage of a project, we put all our expertise and our experience into designing, renovating and building differently so that we can meet the critical imperatives of the environmental transition and achieve construction that is sustainable and less resource-intensive. Every day, we make sure that everyone is safe, and that human rights and ethical standards are respected. Committed to strong values, the men and women of Bouygues Construction work passionately alongside their customers and partners so that our footprint becomes ever more positive. In 2025, Bouygues Construction generated sales of €10.6 billion.

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