

EUROPE'S FIRST KNEE SURGERIES ASSISTED BY THE ANDY ROBOT

Amplitude, a subsidiary of the Zydus Group, confirms its technological expertise and innovation capabilities in orthopaedic solutions with the launch of the first knee replacement procedures performed using its andy robotic system.

Entering a new era of surgery

Over recent weeks, the Polyclinique Saint-Roch in Montpellier and Nice University Hospital have been successfully performed the first surgical procedures using the andy robot in the operating theatre, marking an important validation of this next-generation technology.

Closely involved in the design, development and clinical validation phases, the surgeons of these institutions contributed their expertise to fine-tune the robot's functionalities, ensuring the system meets the highest surgical standards while closely addressing patient needs.

By partnering with Amplitude, a leading player in orthopaedic solutions, they have achieved a European first, illustrating their pioneering role and their commitment to advancing surgical practice for the benefit of patients.

A French innovation at the heart of the operating theatre

In late 2025, Amplitude obtained CE marking for its andy surgical robot, a major regulatory milestone that further reinforces the company's leadership in innovation within the field of orthopaedics. Building on 20 years of experience with amplivision, andy, designed as a true surgical partner, is the first collaborative robotic system conceived and manufactured in France.

This compact, plug-and-play solution combines ergonomics with surgical intelligence. It enables personalised bone resections, either manually, controlled via a joystick or operated automatically, always under the surgeon's supervision.

Performance and safety are at the core of the system, with sub-millimetre accuracy in planning and continuous blade monitoring at bone boundaries to preserve surrounding soft tissues.

Specifically developed for knee surgery, this CE-certified system brings together the navigation expertise of amplivision and the precision of the robotic arm developed by eCential Robotics. Together, they enable surgeons to operate with an unprecedented level of accuracy, consistency and control.

French MedTech in the spotlight: A benchmark technological solution

Developed through a partnership with eCential Robotics, the andy surgical cobot showcases Amplitude's French industrial and technological expertise in orthopaedic robotics.

Building on this strong technological foundation, Amplitude is now ideally positioned to accelerate the clinical rollout of its robotic system, offering healthcare professionals a new benchmark in robot-assisted orthopaedic surgery.



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Olivier JALLABERT, CEO at Amplitude:

"This innovation represents a significant milestone for Amplitude and underscores the strength and consistency of our market strategy. With andy, our latest-generation surgical robot, we are entering a new phase of growth and ambition. It sets a new standard in robot-assisted orthopaedic surgery and, at the same time, helps drive the wider adoption of these technologies in operating rooms worldwide."

Muriel BENDETTO, COO at Amplitude:

"This surgical robot represents the culmination of an ambitious project driven by our teams, building on more than twenty years of expertise in surgical navigation. From the very beginning, our goal was to develop a truly game changing system: straightforward to install, intuitive to use, highly precise in its execution, and designed by healthcare professionals, for healthcare professionals, to enhance surgical performance and improve patient outcomes. Its development is founded on a strong national partnership bringing together Amplitude, eCential Robotics, and a group of surgeons from leading French institutions. By combining technological excellence with frontline clinical insight, we have created a robot that is perfectly aligned with real-world clinical needs. I am immensely proud of the outstanding work delivered by our teams, who rose to this challenge with exceptional expertise and dedication."

Clément VIDAL, CEO at eCential Robotics:

"This major milestone is the result of a collaboration between two French companies, eCential Robotics and Amplitude, both pioneering leaders in their respective fields. It is a union of skills and expertise, driven by a shared ambition to transform surgery through innovation for the benefit of both practitioners and patients. I am extremely proud that eCential Robotics and Amplitude have joined forces to introduce this high-tech surgical robot into the operating theatre, enabling fully automatic, ultra-precise knee resections, a European first!"

About Amplitude

Amplitude is a global leader in the design, development, and manufacturing of orthopaedic implants. The company offers a comprehensive range of hip, knee solutions and instruments to meet each patient's specific needs. Driven by innovation and research, Amplitude is committed to delivering products and services of the highest quality, enhancing patient outcomes and supporting healthcare professionals worldwide.

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About ZYDUS

Zydus MedTech Private Limited, a wholly owned subsidiary of Zydus Lifesciences Limited, is focused on transforming healthcare through innovative medical technologies and patient-centric innovation. Zydus Lifesciences Limited is an innovation-led global life sciences company with leadership positions across pharmaceuticals and consumer wellness, supported by an emerging MedTech franchise and a strong international presence across the United States, India, and other global markets. As of September 30, 2025, the group employs approximately 29,000 people worldwide, including 1,500 scientists engaged in research and development.

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