



PRESS RELEASE

ABYS® MEDICAL successfully completes its first Series A of €3 million

La Rochelle, December 3, 2021 - Abys® Medical, deeptech creator of the Surgery 4.0 concept, finalized in August 2021 a fundraising by opening its capital to investors.

This €3 million round of financing follows the operational validation of the concept which allowed for the pre-commercialization in March 2021 of a solution for veterinary orthopedic surgery, and will ensure both the company's commercial ramp-up for its first products and a strong acceleration of its developments for human surgery.

The company welcomes the institutional investment fund Océan Participations as well as private investors with strong experience in the healthcare industry.

This dynamic is structured around numerous recruitments for the implementation of a strategic development plan in Europe and North America (United States and Canada).

A first capital opening

The company's development has historically been financed by the founders since its creation in 2018, in particular by Olivier Richart through his family office Melusine Holding. The project, very early identified as highly disruptive, was also supported by BPIfrance and the New Aquitaine Region, and distinguished in 2020 at the national i-Lab competition. In total, more than €2M was raised in the seed phase to bring the founders' global ambition to life. With this first round of funding of €3M, the digital health start-up opens its capital to Océan Participations, a local institutional fund, as well as major private investors.

"Océan Participations has been boosting its portfolio in the health sector for a number of years and was very interested in the Abys Medical project from the outset. Their presence with many partners of the company makes them a strong local player, recognised for the quality of their support and their confidence in the management teams. With Océan Participations, we have a partner who sees far ahead and who understood our ambitious strategy very early on," says Arnaud Destainville, co-founder and CEO of Abys® Medical.

"We became aware of the Abys Medical project back in 2018 at its genesis. Since then, we have met Arnaud and Olivier on several occasions in order to understand, and to best grasp the developments and the market of Abys Medical. We are now convinced of the disruptive effect as well as the relevance of the offer and the need for it in the world of surgery. We are also convinced of Arnaud and Olivier's ability to make the world of surgery more appealing with Abys Medical's "all-in-one" product", say Pierrick Charrot and Vincent Pelloquin of Océan Participations.

Abys® Medical is already anticipating its next round of financing for the end of 2022 in order to maintain its sustained pace of development and commercial deployment in humans and internationally.



A vision: custom surgery as a new business model

Healthcare systems are currently undergoing an unprecedented technological transformation, the main reasons for which are the increase in the world's population associated with its ageing, and the need to make up for the lack of trained practitioners to enable these growing patients to be treated correctly.

This situation partly explains the profusion of technological innovations for the medical sector, with multiple digital bricks dedicated to more efficient health (artificial intelligence, IoT, etc.). However, these answers are unsatisfactory for healthcare players who are currently reporting a paradox: a growing role is being played by digital technology within the healthcare system to alleviate the strain on health systems, but these solutions are not relieving the pressure on the system, either preoperatively (imaging, diagnosis, preparation) or intraoperatively (surgery). Responding to this major problem requires a "*game changer*" approach.

This is the mission that Abys® Medical has set itself since its creation in June 2018: **to unlock access to a true personalized management of the surgical act through integrative and collaborative digital solutions, dedicated to medical professionals.** The company's strength lies in having realized very early on, 4 years ago, that it was necessary to break through a technological glass ceiling and offer a natively conceived operational solution, designed and developed according to the now highly popularized concept of "metavers".

This vision is fully realized in the first product marketed for veterinary orthopedic surgery and a precursor to the concept currently being developed for human surgery. This will allow us to change the codes for the advent of an increasingly personalized surgery that takes into account the clinical, economic and operational challenges of health care institutions and medical device manufacturers.

A transversal vision of tomorrow's surgery

The "all-in-one" service offering developed by the company is based on three major pillars, combining implantology and digital tools to augment medical professionals in the preparation and performance of orthopedic surgeries:

1. By providing a **unique collaborative web platform for surgical planning on a cloud core**, the company allows surgeons to simulate each sequence of the operation in 3D, which helps them **plan a procedure in an optimal way**. The operation is done completely online, requires no software installation (100% cloud), and is done in **less than 30 minutes** from the patient's scan. No other similar technology exists today;
2. Secondly, the 3D simulation is accompanied by a **3D printing** service that uses **patient-specific implant and instrument files** modeled by surgeons on the web platform to be 3D printed in medical grade materials such as titanium;
3. Finally, to further assist surgeons during surgery, the **company has developed a digital cockpit consisting of an application that provides assistance in the form of holograms** in the operating room. This application offers the surgeon the possibility to interact with a virtual dashboard built from the surgical plan that he will have validated on the company's web platform beforehand, directly downloadable.



This integrated "all-in-one" solution delivers a **four-fold impact**: improved clinical outcomes, reduced patient risk, operational improvements and cost savings.

An opening to the entire surgical market, from training to surgery

Abys® Medical brings the **concept of Surgery 4.0** through an initial use case in orthopaedic surgery, while offering the possibility of including within the web platform other segments of skeletal surgery: dental, maxillofacial, spinal or osteoarticular surgery. Similarly, the Abys®Medical concept can be extended to other medical specialties such as cardiology, neurosurgery, vascular surgery, oncology, etc.

Through the digital technologies employed, the solution is also natively designed to allow the marketing of a collaborative surgical planning assistance platform for human orthopaedic surgery as early as 2022, as well as surgical training and education solutions. The solution is designed to meet European (ISO 13485, CE marking according to 2017/745/EU) and American (FDA 510(k)) medical standards.

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About Abys® Medical

Abys® Medical is a deeptech company founded in La Rochelle (France) in 2018 that develops innovative medical devices for the orthopedic and trauma surgery market. The offer consists of a collaborative "All-in-One" solution gathered under the concept of "Surgery 4.0" for the combination of the best of digital and implantology technologies. It enables the surgical management of patients suffering from skeletal pathologies in an innovative way that is part of Industry 4.0. The start-up currently employs nearly 30 people and has just created its development subsidiary in North America. For more information on the integrative and collaborative digital solutions developed by Abys®Medical, visit www.abys-medical.com.

About Océan Participations - A subsidiary of Crédit Mutuel Océan

Océan Participations was created in 1988 to develop a whole range of services for companies, designed to promote their development and to respond to internal and external growth projects, takeovers and transfers, as well as capital reclassification. Océan Participations acts as a "facilitator" for the company's projects, with one essential principle: respect for its autonomy.

Its 100% affiliation to the Caisse Fédérale du Crédit Mutuel Océan de La Roche-sur-Yon ensures a secure financial base, so that it can accompany you over time in complete confidence and without liquidity constraints.

As a local minority partner of 100 regional companies with more than 95 million euros invested, "our raison d'être is to preserve the wealth and decision-making centres in our region, to encourage the growth of your business, and therefore to enable you to develop in a way in which you will be the main player; Océan Participations offers you effective support whatever the life cycle of your company".