



## Abys<sup>®</sup> Medical - Key information

### **KEYWORDS:**

- *Digital surgery*
- *Game changer*
- *Gold standard*

**TAGLINE:** Abys<sup>®</sup> Medical develops innovative solutions to streamline the surgical care management workflow based on disruptive technologies for surgeons with the vision of a game changer.

### **COMPANY DESCRIPTION:**

Abys<sup>®</sup> Medical is a French company created in 2018 which is the only one in the world that created an entire holistic solution for surgeons natively structured with cloud computing technologies. The unique selling point is to make these technologies beneficial for all stakeholders (companies, hospitals, surgeons, patients, insurances) to structure a new surgical care management workflow enhancing safety, performance, and profitability of surgical care management.

Further a preclinical animal study, Abys<sup>®</sup> Medical is about to release on the US market its first human applied solution to help orthopaedic surgeons structuring and implementing their surgical strategy. Based on a B2B strategy, the company has identified partners to success on the US market on early 2023.

### **KEY VALUE PROPOSITION:**

Surgery faces many problems (resources, unplanned costs, medical errors).

In digital surgery market (\$6.9B, 2022), Abys<sup>®</sup> Medical offers Surgiverse<sup>®</sup>, the first surgical decision-making suite out of the metaverse.

Surgiverse<sup>®</sup> is a disruptive cloud core 3D solution with a holographic assistance that improves surgical planning and organization of care with a better fluidity of operations, a reduction of friction costs, an ensured traceability, a continuity in the transmission of data between team members, training, and analyses to capitalize on the failures but also on the success.

Surgical management is optimized, patient care is strengthened, and the risk of errors is reduced. The solution empowers surgeons, giving them full control for personalized patient management care cycle. The streamlined flow provided is a real breakthrough for surgeons, as they often need to reconcile several software from various suppliers. It reinforces reproducibility and reduces error margins. It generates organizational optimization and increases data security while decreasing the risk of error and poor transmission of information.



The value created benefits all stakeholders of the value chain with no heavy investments needed for equipment acquisition, enabling a large international deployment. Preclinical assessment on animal shows a surgical duration reduction of 20% to 50% with a precision of clinical gesture inferior to 1% and 100% satisfaction. Pilot studies in human has similar echoes and referenced surgeons foresee a high potential to increase their productivity by at least 10%, with more insight proposed to patients and better fellows' education.

The solution is also a door opener toward an additional precious offer of international experts' second opinion using the collaborative features included.

**KEY FIGURES:**

- Date of creation: 2018
- Company Certification: ISO13485
- Product certification: 510K (expected January 2023)
- Product commercialization in the USA: April 2023
- IP: 8 patents
- 1 subsidiary in Canada
- 30 employees
- All software technologies are internally managed

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