

AXELYUM MEDTECH SASU

PERFU+3

Autonomous Mechanical Infusion Platform

Non-confidential overview |

A 100% MECHANICAL MEDICAL TECHNOLOGY

no battery · no electronics · no embedded software

THE NEED

Deliver pressurised infusion when the environment demands simplicity and autonomy

Emergency, transport or constrained-environment situations may make reduced dependence on electromedical equipment, batteries and charging infrastructure desirable.

THE PERFU+3 RESPONSE

Controlled pressurisation through a purely mechanical architecture

PERFU+3 is designed to provide autonomous infusion through mechanical action on a flexible bag, without external electrical power or electronic control.

POTENTIAL APPLICATIONS

- **Emergency and pre-hospital care:** use in contexts where rapid deployment and simplicity are sought.
- **Medical transport:** reduced dependence on a power source during patient transfer.
- **Constrained or degraded environments:** autonomous mechanical architecture and no lithium battery.
- **Logistics:** no charging, no electronic maintenance and no embedded software to maintain.

STATUS Technology in pre-industrial development. Potential defence uses to be assessed with relevant stakeholders.

AXELYUM MEDTECH SASU · SIREN 105 779 011 · Sophia Antipolis ·
Three French patent applications

AXELYUM MEDTECH

Designing, protecting, maturing and transferring mechanical medical technologies

Vision and purpose

AXELYUM MEDTECH designs, protects and develops autonomous, robust mechanical medical technologies intended for industrial transfer, particularly for emergency situations, medical transport and constrained or degraded environments.

The company aims to create value from these innovations through industrial partnerships and licensing agreements, in France and internationally.

COMPETENCIES	DEVELOPMENT MODEL
• Mechanical design of medical devices • Systems engineering and product architecture • Requirements and risk management • Intellectual property and protection strategy • Technical documentation and validation preparation • Industrial transfer preparation	AXELYUM MEDTECH is structured around a technology-development and intellectual-property value-creation model. • Technology maturation and de-risking • Qualified industrial partnerships • Know-how transfer and industrialisation • Licensing, contractual milestones and royalties

PROTECTION AND MATURATION PATHWAY
• Three French patent applications filed. • Structured technical documentation covering design definition, requirements, risks and validation protocols. • Regulatory and consultation initiatives underway in France and the United States. • Preparation for the transition to pre-industrial prototypes and subsequent industrial transfer.

CONTACT

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PERFU+3 is a technology under development.