

RollingHeart



Every year, **1 million** people die of **heart failure**. The only effective treatment is **heart transplant** but only **5000** are available worldwide each year. The RollingHeart is a **compact** artificial heart with a **valveless** revolutionary **mechanism** which will allow **everyone** with a **failing heart** to lead a **normal life** again, **with safe and reliable** device they'll just **forget** about!

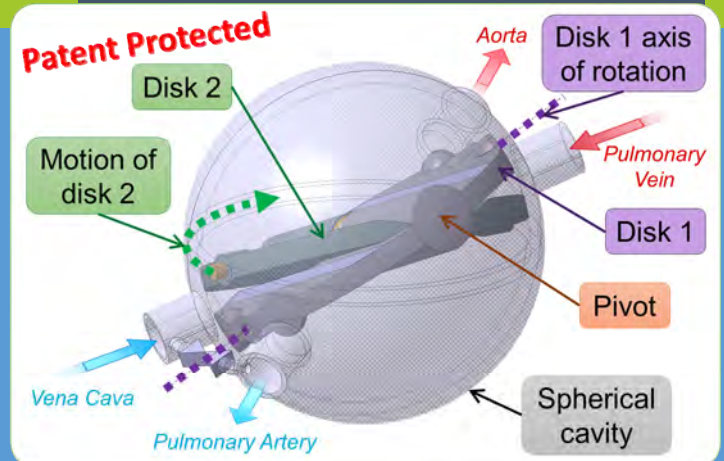
“Finally a safe and compact artificial heart for all!”

TEAM MEMBERS

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CTI BUSINESS CONCEPT Western SWITZERLAND

- 1 There is currently no durable solution for the **100 000** heart failure patients **per year** in **need** of **full circulatory support**.
- 2 Once the technology is ready and the device approved (2027), we can access a **\$10 billion** market with limited competition.
- 3 The technology is protected by an **international patent**. The development is done in collaboration with CHUV, EPFL and HES-SO Valais/Wallis.




Next steps

1. Apply to additional grants to:
 - Build a strong dedicated R&D team and accelerate developments;
 - Finalize a fully functional prototype.
2. Given the complexity of the project, funding is the main priority at this point, while coaching could help refine the business strategy.

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A CTI training programme

 **Start-up and entrepreneurship**
CTI Entrepreneurship

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Confédération suisse
Confederazione Svizzera
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Commission for Technology and Innovation CTI

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