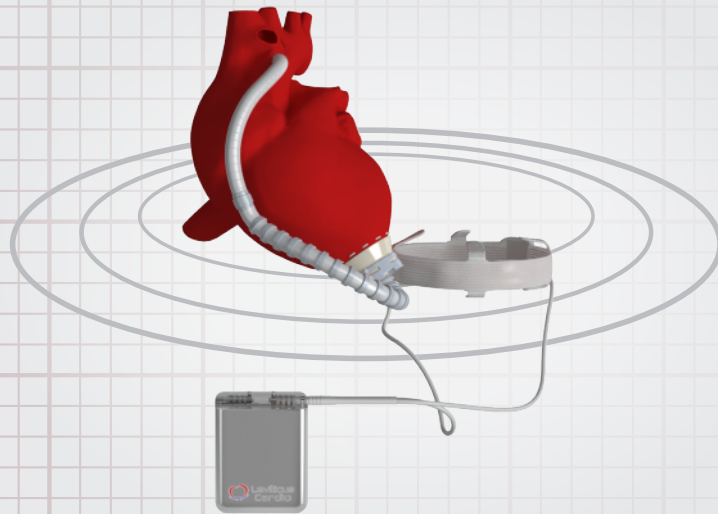


## Better Hope for CHF Patients

**Leviticus Cardio is the next generation solution  
for VAD technology**



**Leviticus-Cardio Ltd.**

Ha Odem 11

Petach Tikva 49517

Israel

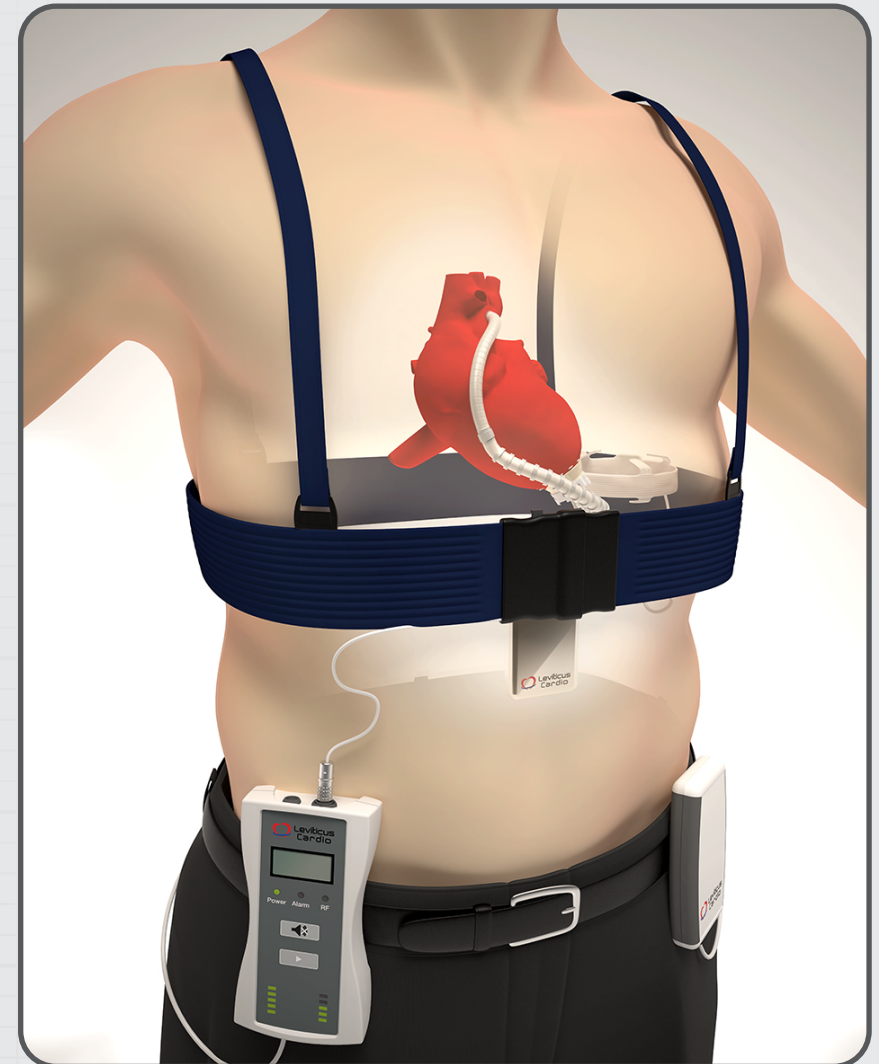
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A member of The Trendlines Group

Disclaimer: The device is not available for sale, it is only for use in a clinical trial setting.



Leviticus Cardio is developing a wireless system capable of providing the day-to-day power needs of VAD implants, while eliminating the complications related to the driveline. The Company's solution uses a proprietary technology named Coplanar Energy Transfer (CET) and will work with all available commercial LVADs including the market leading HMII and HVAD.



Thousands of patients globally each year are candidates for heart transplantation.

An alternative to heart transplantation is the ventricular assist device (VAD), an implanted mechanical circulatory pump that is increasingly being used to bridge the time from end-stage heart failure to transplantation.

To supply power to the pump, the VAD is connected to an external power pack by a transcutaneous drive line. The exit site of the drive line from the abdomen provides a port of entry for pathogens, making VAD recipients highly vulnerable to device-related infections.

Infection related to the drive line represents the single most important challenge to extended VAD use.

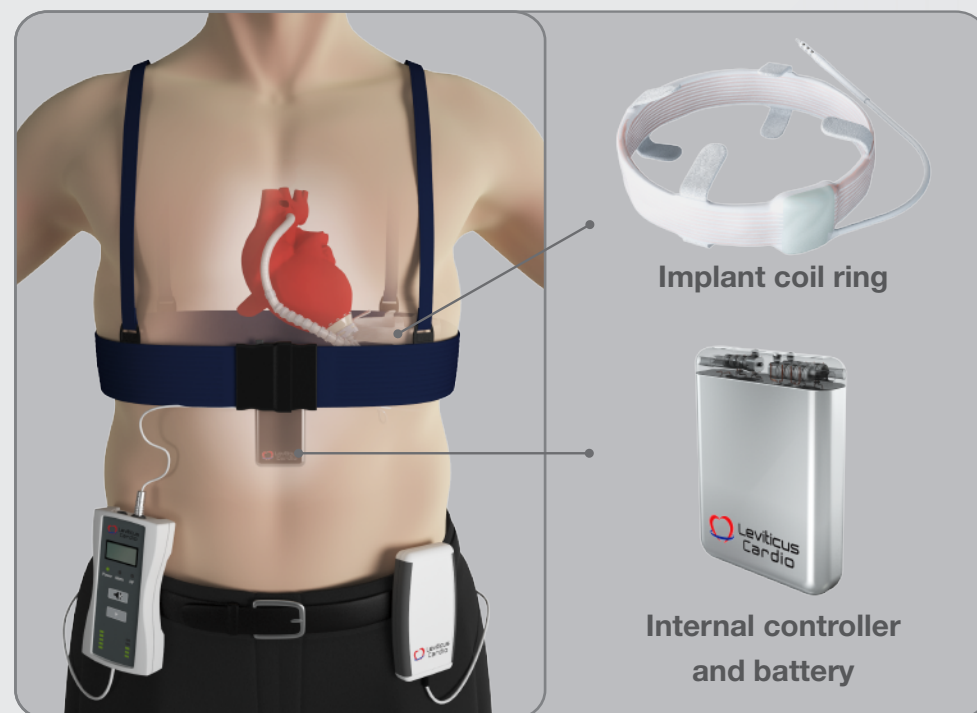
## External Components



Leviticus Cardio's wireless CET system powers the VAD without a transcutaneous driveline, thereby avoiding the potential complication of driveline infection, which can cause repeated hospitalisations, and severely impacts a patient's Quality of Life.

The internal battery maintain a minimum Six (6) Hours of operation. The Leviticus Cardio CET system is robust, making it less sensitive to body movement. Its efficient, fast charging capability (30W), allows the patient to spend more time free from the external charger.

## Internal Components



## THE ADVANTAGES

Leviticus Cardio's innovative CET system provides effective Transcutaneous Energy Transfer with important advantages over competing wireless energy transfer systems;

- More Than 6 Hours of Freedom from External Gear
- Robust – Low Sensitivity to Movement
- High Efficiency, Fast Charging

