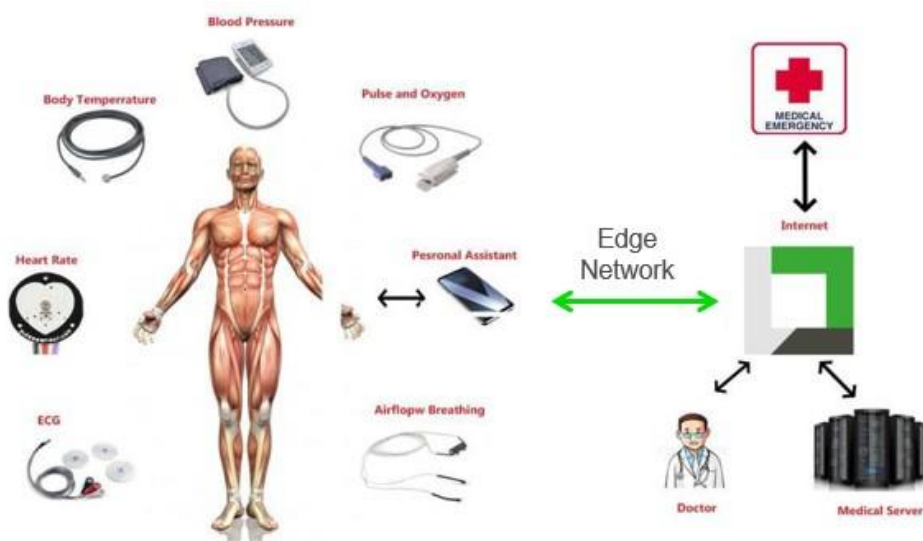**Swiss Vault is proud to participate in the European project SUSTRONICS from CHIPS JU. Swiss Vault joins 46 Other Partners from 11 countries, all working towards a greener and more innovative future for the European electronics Industry.**

SUSTRONICS' Main Goal: transform the European electronics industry by harnessing sustainable practices with digital health innovation. By combining eco-friendly electronics, and advanced cutting-edge medical innovations, the project aims to propel the healthcare industry to a more sustainable future. With a strong focus on green technology and novel business opportunities, SUSTRONICS seeks to make a lasting impact on the medical health electronics landscape in Europe.

Data generated by medical sensors and IoT digital devices have to be captured for efficient analysis for timely patient care, and then stored for health record keeping. Conventional data management systems, like data server racks, are difficult to integrate into healthcare settings – like long-term care homes, small clinics, or hospital wards. This is because of the high electrical energy consumption, noise emission, and heat output – as well as the high maintenance overhead.

Swiss Vault is a SUSTRONICS project partner. We, will develop EDGE data management Software and Hardware. The technology will connect IoT devices, medical devices, and sensors, to computation, AI, and long-term active archives of the health data. The unit's small physical design, low-power consumption, low electronics waste, and many other features, will reduce the environmental footprint to manage data at the healthcare Edge.

Key objective is to achieve sustainable data storage design, including lowest energy computation and data storage, small size, weight and low noise emission. Using cutting edge software, and more efficient electronics engineering, the team aims to reduce electronic waste for the hardware component. The combined system will enable full integration of the data generation at the Edge (e.g. smart wound dressings) to long-term secure patient records. The high-tech data management systems will be designed to be sustainable (e.g. lowest CO_2 footprint, full circular design) to reduce impact on the environment.

About Swiss Vault: Swiss Vault is a pioneer in sustainable data storage Software and Hardware. Swiss Vault has shrunk the size of data storage systems and reduced the energy consumption compared to similar systems.

Our systems enable customers to easily store more data, for longer with less costs. Digital health data, from medical devices and sensors, presents a unique challenge to develop Edge Data Systems to manage connected IoT devices for the healthcare continuum. The driving principles are to develop secure data management systems that integrate unique designs for integration into functional environments, lower CO_2 footprint and ecological impact.

- [SUSTRONICS' official website](#)
- [Facebook page](#)
- [LinkedIn page](#)