

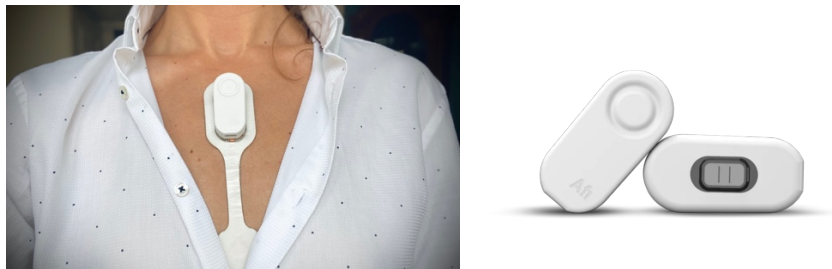
Graduation Project

Defining a strategy to hand-out and return a medical home-monitoring device and its disposables

Company: Praxa Sense and Erasmus Medical Center



Praxa Sense is an innovative health tech startup based at Yes Delft (<https://praxasense.com/about/>). Praxa Sense designed Afi, which makes heart rhythm monitoring possible for up to 30 days. It's a user-friendly reusable device and disposable electrode sticker and no cables involved. Therefore, it's more convenient for a patient and provides the ability to shower and sleep without any worry (for more see: <https://praxasense.com/product-afi/>).



Left: Afi with sticker connected to the patient, Right: Afi

Home monitoring is a new paradigm in healthcare, promising to increase the quality of healthcare while simultaneously reducing pressure on hospitals. The decentralised nature of home monitoring combined with the already complex system of stakeholders in the healthcare sector imposes sustainability challenges. Potentially burdening patients with increased amounts of waste of the disposable electrode stickers, with no clear way of controlling waste streams in the home environment.

Praxa Sense aims to tackle this problem in a way which works for both the patient and the hospital. By defining a strategy to prepare, hand-out and return its home-monitoring device, Afi, as well the disposables supplied with it. Thereby limiting waste in the home environment and taking necessary steps towards recycling and reuse of its products.

As a graduate, you will research current practices in the hospital and remote monitoring, to formulate strategies that mitigate waste creation and encourage re-use and recycling. The project will be in collaboration with Praxa Sense and Erasmus Medical Center.

For more information: JC Diehl j.c.diehl@tudelft.nl

