

Smart Monitor Corporation

Need: Patients prone to epileptic seizures need round-the-clock monitoring and, immediate intervention for seizures that last more than a few seconds. At present the monitoring is done 100% by caregivers who need to be in close proximity to the patient 24/7/365. Our market research has underscored the need for simple seizure detection solution that can be used in a home environment. Traditional monitoring equipment, such as EEGs are unsuitable for use outside a medical facility due to their cost and complexity.

Product: SmartWatch is a simple and easy to use wireless device that continuously monitors, detects and alerts caregivers of the onset of abnormal movements in people prone to seizures. It is a non-intrusive and compact - the size of a wrist watch, which can be worn on the wrist or ankle of the patient. The SmartWatch is fully portable and can be worn at all times as the wearers go about their regular activities in their homes, schools, offices and elsewhere. The device continuously monitors movements, analyzes them for abnormality and issues alerts to external devices such as mobile phones and PDAs. SmartWatch is best suited for detecting generalized tonic-clonic seizures and certain types of Myoclonic seizures.

Company : Smart Monitor is a technology company based in Silicon Valley. The team has multi-disciplinary expertise in the areas of embedded systems, software and wireless technologies. The company advisors include distinguished neurologists such as Dr. Robert Fisher of Stanford University. The company is grateful for the support it has received from ERF to bring this product to the market. Over a period of 3 years the Smartwatch has evolved from concept to a viable product.

IP and regulatory status: The technology and IP are fully protected, with US and European patents pending. Submission of documents to the FDA is in progress. The product will be available for sale upon FDA clearance of submissions. Clinical trials are underway at Stanford. Smart Monitor is looking to commence clinical trials with other leading hospitals in the country.

Timelines: The product current launch plans are as follows:

SmartWatch I: Abnormal motion detector

- May 2010: FDA clearance
- June 2010: US launch

SmartWatch II: Seizure detector (Specific claims)

- Q1 2011: FDA clearance
- Q2 2011: Product Launch

Partnerships: Smart Monitor is soliciting partnerships for clinical trials, product sales and distribution and strategic investments.