

## PRESS RELEASE



### ECG patch revolutionises health care

*An aging population together with pressure on health care services to improve both quality and productivity make the introduction of a disposable ECG patch a much longed-for development. Our technology enables doctors to monitor the condition of a patient's heart without the need for expensive, complex equipment or for the doctor and patient to be in the same place. This new, revolutionary technique provides better care at a lower cost, and is expected to be of great importance in the health care sector.*

A new company – *Novosense AB* – has been formed to develop the next generation of ECG equipment using Disposable Wireless ECG Sensing Technology, or DWEST. Small sticking plasters, similar to normal ECG sensors, are applied to the patient's body. These transmit a signal to the doctor telling him how his patient's heart is functioning. When monitoring is no longer required, the ECG patch can simply be thrown away. This technique means that conventional, stationary ECG equipment, which is complicated and involves attaching wires to the patient, can be completely replaced. DWEST technology is expected to play an important role in emergency health care, as well as care in the home. New technology is a must if hospitals are to treat more patients with dwindling resources, while maintaining quality in care. One of the greatest problems facing the health care services in the future will be that of recruiting personnel. All kinds of technology that can simplify the everyday work of medical staff is thus of vital importance in the health care sector.

### Based on competence

Novosense is a development company consisting of five partners: *Acreo AB*, a leading R&D company with state and industrial ownership; *Protego Information AB*, which develops electronics and software for security applications; *Tilly Medical Products AB*, engaged in the development of electronics and software for medical-technical applications; *Fredrik Sebelius*, PhD, who has contributed through the development of the measuring technique (for which a patent has been applied); and Tommy Skoog, who has previously held leading positions in medical-technical companies as well as the IT and communications industry, and who will be the MD of Novosense.

### **Unique technical portfolio**

Upon the formation of the company, a license agreement was signed with Acreo guaranteeing Novosense full access to Acreo's unique technical portfolio.

"Having access to Acreo's technical portfolio gives the company the opportunity to do what others have only dreamt of doing." says Tommy Skoog. During recent years, Acreo has devised technology for cost-effective development of integrated circuits, as well as methods for the efficient production of electronic components using printing technology. Acreo's radio technology, developed under the Socware Programme, is also available to Novosense.

### **An opportunity for Swedish industry**

"The transfer of our technology to Novosense is completely in line with the mission laid out by our owners." says Hans Hertzell, MD of Acreo.

"Our task is to promote Sweden's development into a high-tech nation – it would be difficult to find a better project than this." The company is presently being financed by its owners, and will be seeking further funding during the autumn of 2004.

### **Information**

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### **About Novosense**

Novosense was established in 2004 as the result of collaboration between Acreo AB, Protego Information AB, Tilly Medical Products AB and Fredrik Sebelius. The company has applied for three patents in the area of ECG measurement, and has access to a unique technical portfolio in production technology, sensors and radio technology. The company is based in Lund, at the Ideon Science Park.  
Homepage: [www.novosense.se](http://www.novosense.se)

### **About Acreo**

Acreo AB is an R&D company that refines and mediates knowledge in electronics and optics with the aim of achieving viable commercial products and processes. Acreo has branches in Kista, Norrköping, Hudiksvall and Jönköping, and has about 160 employees, most of which have university degrees or doctorates in engineering. Acreo is active in the following areas: IC design, photonics, microtechnology, optotechnology, QWIP technology, system integration and small-company support.  
Homepage: [www.acreo.se](http://www.acreo.se)