

Andante Ltd.

Monitoring and Biofeedback System for Lower Limb Rehabilitation

Description. Andante Ltd., established in March 1999, develops and manufactures innovative rehabilitation and physical therapy devices. Its first product, the SmartStep system, is an affordable, miniature, mobile monitoring and biofeedback system for lower limb rehabilitation. This weight-bearing monitor is designed for use by patients undergoing rehabilitation treatment following

- lower extremity fractures, joint replacement, and soft tissue injuries (especially ligament tears);
- lower limb amputation; and
- neurological deficits such as cerebral palsy or hemiparesis.

The SmartStep system is composed of three main components:

1. A flexible, lightweight, ergonomically designed sensorized insole device
2. A miniature wireless microprocessor control unit
3. A Windows-compatible graphical user interface that maintains the patient medical record and functions as a patient assessment and therapy tool

The SmartStep System assists clinicians and physical therapists to accurately assess, train, and monitor various aspects of gait function. SmartStep measures the force applied under the foot and guides patients as they strive for an optimal load-control target. Auditory or vibro-tactile signals generated while ambulating with the SmartStep either encourage or limit patients during their therapy sessions.

SmartStep performs an instantaneous and accurate assessment of the patient's weight-bearing performance. The analyzed patient data is graphically presented to the clinician or physical therapist within seconds and allows for determining customized therapy goals, quantifying patient performance, and evaluating immediate and future benefits of the treatment given.

Competitive Advantage

- Assessment of functional abilities, biofeedback training and monitoring at home and outdoors
- Multiple applications — orthopedics, neurology, pediatrics amputees, and sports
- Ergonomic design — easy to wear, single hand activation (important for hemiplegics)
- Disposable insole — improved convenience and hygiene
- Affordable

Market. Each year millions of people in the United States are undergo hip, knee, or foot surgery or are treated for other neurological impairments that require rehabilitation programs involving weight bearing on an affected limb.

Approach to Market. Andante will market to clinics and rehabilitation centers and will seek OEM agreements with technology providers.

Revenue Model. Andante will generate revenue from the sale of its SmartStep system and will enjoy ongoing revenue through sales of its disposable insoles.

Financial Highlights The SmartStep system sales will approach \$40 million in 2009. The Company expects to be profitable in 2005.



Andante Medical Devices Ltd.
Omer Industrial Park
Omer 84965 Israel

Tel: +972 8 690-0027

Mobile: +972 54 423-9043

E-mail: arik@andante.co.il

■ KEY PERSONNEL

Arik Avni, CEO

A biomedical engineer and physiotherapist from Ben-Gurion University of the Negev, strong multidisciplinary background, years of experience in project management and development of rehabilitation technology. BPT, M.Sc. Ben-Gurion University of the Negev

Prof. Eli Isakov, Chief Medical Advisor

Physical therapist and medical doctor, Prof. Isakov is a world-renowned specialist in physical medicine and rehabilitation, head of Orthopedic Rehabilitation Dept. at Beit Loewenstein, Israel's largest rehabilitation center

■ COMPANY STATUS

Ownership: Arik Avni, Institute for Applied Gerontology, Eli Feldman, Schmuël Almagor, Aliza Kanne, Oren Family, Maayan Technology Ventures, Isaac Levy

Development: First U.S. sales Q1 2005

■ INTELLECTUAL PROPERTY

Patents: U.S. patent covering adaptive weight-bearing monitoring system. PCT filed covering insole unit

FDA: Approved class II, 510(k)

■ CONTACT INFORMATION

Arik Avni

Andante Medical Devices Ltd.

Tel: +972 8 690-0027

Mobile: +972 54 423-9043

E-mail: arik@andante.co.il