Medical engineering is one of the Brandenburg's most promising technology fields. In 2009, a total of 68 medical engineering companies – in particular small and medium-sized enterprises – manufactured their own products or provided production-related services here. Some 15 % of these companies were newly founded or had relocated to Brandenburg. In 2005, the region's medical technology sector reported sales of app. € 85 million compared to app. € 116 million in 2009, while the number of employees in the sector rose to app. 910 – 25 % more than in 2005. (cf. in-house analysis).

Innovation and Start-up Centers

- Biotechnology Park Luckenwalde
- co:bios Technologiezentrum
- GO:IN Golm Innovation Center
- Technology Center Teltow

Contact

Your contact for all medical engineering and telemedicine issues:

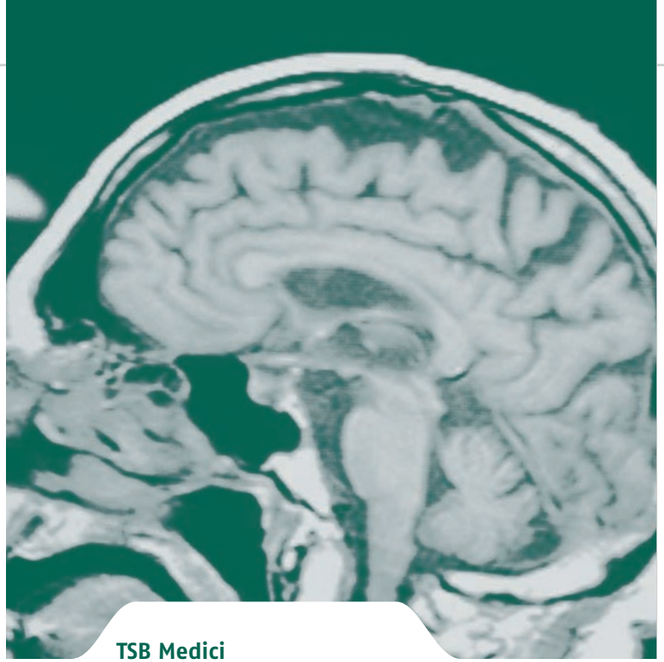
TSB Medici
Dr. Helmut Kunze
Fasanenstr. 85, 10623 Berlin
GERMANY

Tel. +49 30 / 46 302-547
Fax +49 30 / 46 302-444
www.tsbmedici.de
kunze@tsbmedici.de

Uncompromising quality at OHST, © OHST

This project of TSB Innovationsagentur Berlin GmbH is funded by Investitionsbank Berlin and the state of Brandenburg and cofinanced by the European Union's Regional Development Fund. An investment in your future.

Investitionsbank Berlin · LAND BRANDENBURG Ministerium für Wirtschaft und Europaangelegenheiten · EFRE ...eine Chance durch Europa!



TSB Medici

Medicine & Medical Engineering in Brandenburg

TSB MEDICI

Medicine & Medical Engineering in Brandenburg

Economic Trends

The study „Cluster Monitoring for the Health Sector Region Berlin-Brandenburg" by Prof. Bert Rürup at Technische Universität Darmstadt underlines the special importance of the health sector for the Brandenburg region. By 2030, so the study expects, 368,370 people (+ 11 % or 26,120 persons) will create products and services worth € 20.2 billion (+ 51.2 %) in the healthcare industry. In Germany, Berlin-Brandenburg will benefit more than any other region from this expansion of the health sector and see very high growth in gross value added and employment in this sector from now until 2030, compared to other metropolitan regions.

Science & Research Potentials

- Brandenburg University of Technology Cottbus with its focus areas Health and Living Technologies (HeLiTec) – Intelligent support systems for medicine, rehabilitation and the comfort sector; health sciences and technology
- University of Potsdam: Master programs in BioMedTech and medical rehabilitation technology
- Brandenburg University of Applied Sciences: Medical Computer Science program
- University of Applied Sciences Lausitz [FH]: Programs in Medical Engineering and Physiotherapy
- Technical University of Applied Sciences Wildau [FH]: Telematics program
- Extramural research institutions:
  - Fraunhofer Institute for Applied Polymer Research, Potsdam
  - Fraunhofer Institute For Biomedical Engineering IBMT, Potsdam-Golm
  - Max Planck Institute of Colloids and Interfaces, Potsdam-Golm
  - Helmholtz-Zentrum Geesthacht – Centre of Biomaterial Development, Teltow

Bio Signal Lab at Brandenburg University of Applied Sciences

Structures for Cooperation between Research Facilities, Hospitals and Industry

- TSB Medici, the Medical Engineering Initiative of the Technology Foundation Berlin Group with its homepage www.tsbmedici.de, the magazine TSB Medici News and the annual "Treffpunkt Medizintechnik" event for the promotion of cooperation between science and industry
- The Berlin-Brandenburg Medical Technology Network „medtecnet-BB" brings together companies from Brandenburg and Berlin and is coordinated by TSB Medici.
- HealthCapital Berlin Brandenburg – a joint initiative of the states of Berlin and Brandenburg under the auspices of TSB Innovationsagentur Berlin GmbH
- Gesundheitsstadt Berlin e. V. promotes and develops Berlin and the Berlin region as a leading healthcare, life science and health sector location.
- The Berlin-Brandenburg Center for Regenerative Therapies is operated jointly by the Helmholtz Society and Charité.
- The Bernstein Center for Computational Neuroscience (BCCN) brings together scientists from the University of Potsdam, the 3 Berlin universities Humboldt-Universität, Technische Universität Berlin and Freie Universität Berlin as well as Charité – Universitätsmedizin Berlin and the Max Delbrück Center for Molecular Medicine. Along with the BCCN centers in Freiburg, Göttingen and Munich, BCCN Berlin is one of 4 start-up centers in the German national Bernstein Computational Neuroscience Network.
- The ProVita Network for Mobility and Care
- „Gesundheitsregion Nordbrandenburg – FONTANE" is a winner in the German Federal Ministry of Education and Research competition „Health Regions of the Future"
- CardioBBEAT – one of the world's largest health economical telemedicine studies (Economic Analysis of TeleHealth) for cardiac insufficiency patients ("Cardio") is being conducted with patients from Berlin and Brandenburg („BB").
- The Telemedicine Center for South-East Brandenburg at Carl-Thiem-Klinikum Cottbus in cooperation with Charité – Universitätsmedizin Berlin.
- Telemed-Initiative Brandenburg e. V.

Heart Catheter Lab in Neuruppin at Ruppiner Kliniken, © Ruppiner Kliniken

Healthcare

- According to the regional medical association, 8,443 doctors work in Brandenburg (as of 31.12.2009):
  - 4,304 in hospitals
  - 3,508 in practices
  - 232 in public authorities and organizations
  - 399 in other facilities
- According to the Brandenburg dentistry association, the state has 1,875 dentists (as of 31.12.2009), including
  - 84 orthodontists and
  - 34 oral surgeons
- The 52 hospitals in Brandenburg provided 15,269 beds on average for stationary care in 2009 and have an average of 20,883 full-time employees (cf. State Statistical Institute Berlin-Brandenburg)
- The 30 preventive and rehabilitation centers in Brandenburg provided 5,344 beds in 2009 and had 3,374 fulltime employees on average. (cf. State Statistical Institute Berlin-Brandenburg)
- Large medical appliances in Brandenburg hospitals:
  - 44 computer tomographs (CT)
  - 131 dialysis systems
  - 14 digital subtraction angiography systems
  - 13 gamma cameras
  - 8 heart-lung machines
  - 3 positron emission computer tomographs (PET)
  - 15 magnetic resonance tomographs (MRT)
  - 19 coronary angiographic workstations
  - 10 linear accelerators for radiotherapy
  - 12 impulse wave lithoclasts
  - 1 tele-cobalt therapy system

(cf. source: State Statistical Institute Berlin-Brandenburg)