



**EROTHITAN HOLDINGS GROUP Ltd.**

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Orthopädie - *Orthopedics*  
Traumatologie - *Traumatology*  
Neurochirurgie - *Neuro Surgery*  
Wirbelsäulenchirurgie -  
*Spinal Surgery*  
Inkontinenz-Biofeedback -  
*Incontinence-Biofeedback-*  
*Systems*  
Kinderchirurgie -  
*P(a)ediatric Surgery*

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**EROTHITAN Holdings Group Ltd. is a SME consisting of 3 companies based in Erlangen, Bavaria, Germany and in Manchester, Cheshire, United Kingdom.**

**EROTHITAN Titanium Implants Ltd. is developing and manufacturing medical devices in the field of Orthopedics and Bone Surgery. The company is involved in various European R&D projects concerning Biomaterials, Coatings, Microtechnology and Nanotechnology. The company has a capacity in CNC-machining, standard machining, CAD, CAD/CAM, polishing, grinding, welding, superfinish, and forging. Metals and alloys like pure titanium, titanium alloys, Nickel free shape memory titanium alloys such as BIOTINOL, chrome cobalt alloys, stainless steel, and polymers such as Chirulen and PVA, further hydroxylapatite powder and granulate are used as basic materials for Nanostructured, Percolated Bioceramics "PERCERAMICS". By European Research Program EROTHITAN has established the knowledge in Pulsed Laser Deposition and Laser Cladding using Excimer Laser and Nd YAG Lasers, Femto Lasers, PLASMA Technology besides Diamond coatings by using CVD.**

**In 2006 an Islamic Knee System has been developed, giving the patient the chance of bending the knee more than 140° during praying.**

**Implants for tumour hip surgery and revision, Anti-Lxation Systems, and flexible Titanium Wire Osteosynthesis Systems are being offered.**

**ROTHAMED Technologies Ltd. has set up the development and manufacturing of Incontinence Devices for children, adults and old people to establish continence improving life and social security. This not only evaluating the way of life but also important concerning religious aspects in Islamic countries. Further medical devices besides Biofeedback training equipment are Continence Tampons, medical devices in Magnetic Field Therapy and Anti-Decubitus Prophylaxis.**

**ROTHEX Technologies Ltd. is developing and manufacturing radiolucent surgery tables and accessories improving surgical techniques and increasing the positive results in operation techniques such as spinal surgery regarding to fusions, spondylodesis and laminectomies. The radiolucent equipment can also be used in the field of Imaging and Pain Management.**

**EROTHITAN Holdings Group Ltd. has the knowledge to furnishing the planning of a hospital and the OR with surgical instruments and surgical equipment.**

**The core marketing of EROTHITAN is besides Germany, United Kingdom, Europe, the Near East and Middle East, North Africa and East Europe.**

**In the social field EROTHITAN is establishing together with European Pediatric University Centers a "Children Continence Foundation", which will have a special section to Arab and Islamic children. The purpose is to help incontinent children finding**

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and improving their way of life.

**Erothitan has set up a department for R&D during the 3-6 FP. 6 diploma dissertations have been written in the company since 1998. Leonardo da Vinci Program is being used for practical seminars of European students as well as Leonardo II.**

**In 2006 EROTHITAN and some partners have founded an association of co-operating SMEs ( Small Medium-Sized Enterprises ) in the field of medical technology with the acronym Arge MedTec e.V., being a non-profit and friendly association, integrating SME partners from the R&D consortiums as a platform for web links, exhibitions, tenders, export business and exploitations of technologies and medical devices.**

**Wolfgang Roth, President of EROTHITAN Holdings Group Ltd. is the President of Arge MedTec e.V. and the Vice-President of MIDAN e.V. , a non-profit and friendly German-Iraqi Association of SMEs for rebuilding Iraq.**