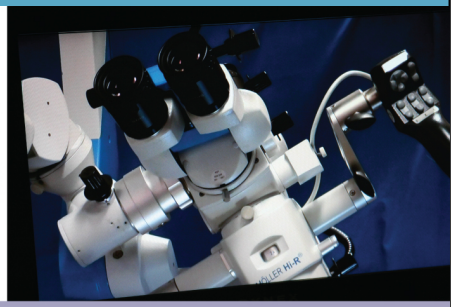
MD MICROSURGICAL

Connecting Expertise to Save Lives



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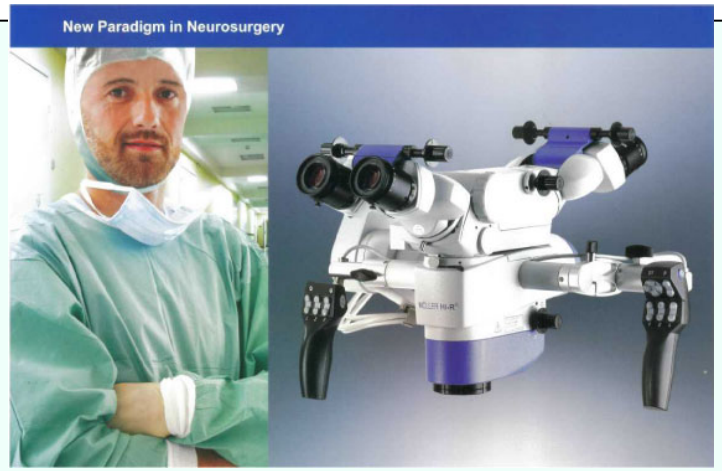
Bringing Telesurgery Technology to Medical and Surgical Applications



software platforms, remote surgical technology and unique network-access digital programs for visualization systems and tools that are not currently available in the industry from a “single-source provider”.

The Platform

- Reference Visualization Images via Digital Files incorporating several modalities through a single, easy-to-access platform
- Networked Systems Internet-linked within and into the O.R.
- Telelinked Telesurgical Video & Communications Network Worldwide into the O.R.
- Remote Interactivity (Controls & Surgical Notation on Images) from any location in the world
- Data Collection and Archiving for easy access from the O.R.
- Integrates New Robotic Systems into and from the O.R. or remote locations
- SurgiPlan/"Juke Box" Case Studies— Using new Information Platform & Digital Imaging (Training and Education, as well as Marketing) for Surgeon access
- SurgiLapsed Time Module - Efficiency & Throughput (Minimizing Risks & Complications) for increased efficiency in performing surgical procedures
- Scalable and upgradeable utilizing MDS technology

The MDS Pipeline

The MDS information-based, digital, surgical system is also intended to be a "pipe-line" for alliance companies to utilize in supplying expanded digital services for the O.R. or hospital.

- Secured Access to Digital Archives of Patient Records (Caregiver & Patient Access Only)
- Illness, Prior Surgeries, etc.
- Emergency Information Database
- Patient History (i.e., allergies, drug interactions, etc.)
- Pharmaceutical Data
- Other Digital Services/Information (opens opportunities for corporate alliances)

4 Product Offerings

1 - SurgiNetix System™

- comprised of multiple hardware/software modules designed to provide an interactive form of Telesurgery based on a surgical microscopy platform.
- delivers remote interactive consultation capabilities during surgery by providing both a two-way audio/video link with a physical hardware control from, and to, anywhere in the world with 3D rendering of the anatomical surgical site from both a macro and micro perspective.
- A scalable video integration system which acts as a central router for all video-formatted patient data providing a resource through the archiving of patient files as desired is also provided.

Product Offerings

2- *MDS Robotic Slit Lamp w/ Robotic Control & 3D Image Capture (Ophthalmology)*

provides the ability to remotely control the slit lamp through robotic technology and permits the healthcare provider to remotely capture 3D images of the patient's eyes.

3- *SurgiLapsed Time™*

surgical process monitor and time standard recorder for recording procedure activity time or elapsed operating room time confirmation.

4- *SurgiPlan™*

a subscription based, fee-per-use surgical information reference and digital "Juke Box" repository and archive "library" for on-demand access with a internet capability utilizing the MD TeleResource™ Server, offers surgical pre-planning, data collection, and a procedure review and standardization system.

Marketing Strategy

The following two key sectors within the United States market will be targeted initially:

- Hospitals, Clinics and Ambulatory Surgery Centers in Commercial/Civilian Sector (ophthalmology/surgery centers, neurosurgery/ hospitals represent significant revenue base)

- Military Medical Centers and Combat Field Surgical Hospitals (ophthalmology is of primary importance to = military surgical sites due to maxillofacial trauma caused by Improvised Explosive Devices (IEDs) during warfare)

Market Analysis — US

Total Operation Rooms (O.R.)/Private in U.S. *(based on 10,059 healthcare facilities with an average of 5 operating rooms)*	50,295
Total Military Triage, CAHs and O.R.s including Field Sites	2,100
Total Emergency Rooms *(based on number of public sector hospitals with average of 2 stations each)*	21,018
Total	**73,413**

Global Market

- Conferences with Dr.Abduraulf have brought a strong interest in the international market from countries such as Kuwait, Italy, India, Greece,and Spain.
- Initial focus has been in the Neurosurgery market place. Meetings are being planned with Ophthalmologist, ENT, GYN, and Dentistry as well.
- Acceptance of this technology has also opened the doors to other Medical Equipment, such as Cat Scans, Medtronics Brain Lab, Robotic Arms, etc.
- Additional market opportunities exist within the social media segment. A licensing agreement is imminent with BrainLynt Technologies to tap into $500M for the social and medical market for the elderly.
- With the additional applications with other medical equipment, and licensing agreements, revenue in 5 years is projected to $150-180M.

Competitive Advantage

- Development of intellectual property protected under patents or copyrights
- Deployment of product solutions that meet immediate market needs
- Development of long term relationships with organizations that provide component parts or assemblies that make up MDS solutions (Alliances)
- Targeting relevant, timely and safe surgical procedure techniques and information on an “as needed” basis, in an “in situ” location demanded by the surgeon or physician
- Strength, experience and success of Marketing Launch/Clinical Education and Sales Demonstrations and Beta Site Teams

Current Sales

- Current sales are at $2.2 Million.
- Sales for 2011 are projected to be $4.5M, by the fall

The 5 year financial projection has increased from $39m to $90m.

Projections

- Projections were based on one microscope company (Moeller, $30million market U.S). Initial projection were based on Moeller Microscopes only. Additional software development allows for targeting complete surgical microscope market at $300M.

Partnerships

- Dr. Richard Bucholz, the inventor of the Stealth which was purchased by Medtronics for 275 million dollars.
- Dr. Saleem Abdulrauf, Saint Louis University, recently developed a bypass surgery to treat brain aneurysms that ses an artery from a patient's arm, in what's known as a minimally invasive maxillary artery high-flow brain bypass.

Exit Strategy

Selling the software solution to:

- large distributors who manufacture microscopes such as:
  Zeiss, Leica and Haag-Streit

  and to large surgical distributors such as:
- McKesson Surgical and Johnson & Johnson and large high tech medical manufacturers such as Meditronics

Resources

Video demo can be seen at:

http://www.youtube.com/watch?v=z9RPobA2SQ4

Scenarios

Early Intervention Saves Lives on the Battlefield

While on patrol in Afghanistan, a truck is hit by a roadside bomb. The driver of that truck needs immediate life saving surgery. Time is of the essence and the soldier will not live unless the time that it takes between impact and treatment is substantially decreased. The soldier is taken to a fully equipped medical emergency response facility that is equipped with MD Microsurgical's telesurgery software. The intervention of an experienced neurosurgeon in the States with a surgeon in Afghanistan provides the soldier with life saving treatment, thus saving the soldier's life.

Making Critical Care Available to Everyone

A family was driving to the park in Florida when a pickup truck crossed over onto their lane and hit the driver side of the car. The front and side airbags in the front seat deployed and the parents suffered minor injuries. However, the side airbags in the backseat did not deploy and the 2 children were both thrown with their car seats against the passenger side of the car. The younger child on the driver side sustained non life threatening injuries. However, the older child who was on the passenger side hit his head directly on the door and suffered head and neck trauma. Emergency vehicles were called to the scene by another motorist who witnessed the crash. The family was taken by ambulance to the nearest hospital. The hospital was not a critical care hospital and the older child needed life saving surgery to be performed an experienced neurosurgeon. However, the hospital had recently purchased MD Microsugcal's telesurgery equipment and the child was able to receive the necessary surgery. Using the telesurgery equipment, the surgeon was able to connect with an experienced neurosurgeon in a major critical care hospital in Boston and save the child's life