

Workshop

Healthcare Turnkey Projects,
Hospital Design,
Commissioning and
Medical Equipment Planning

1st & 2nd of March 2015



Supported by:



Organized by: **Gateway Medical Services** and
mtp Planungsgesellschaft für Medizintechnik mbH,
Frankfurt am Main, Germany

Your Qualified Partner for Medical & Laboratory Technology Planning

**The workshop will be chaired and under the patronage of
Dr. Nazeeh Alothmany**

Dr. Nazeeh Shuja Alothmany, PhD Electrical and Computer Engineering, University of Pittsburgh, Pittsburgh, PA, USA • Medical Devices and Biomedical Engineering Consultant to Director of General Affairs at Ministry of Health • Assistant Professor, Electrical/Biomedical Engineering, King Abdulaziz University, Jeddah • Chair of Saudi Scientific Society for Biomedical Engineering SSSBE (Jan 2011- Present).

OVERVIEW

This Workshop is intended to provide Hospital Executives & Managers, Contractors, Consultants, Biomedical Engineers, and other Healthcare Professionals with a brief overview of the following areas:

- Turnkey Solution of Hospital Projects A Comprehensive Overview
- Medical Equipment Planning and its role in Turnkey Projects
- Design Codes and Standards for Medical Facility Planning
- Commissioning of Hospitals including Facility Licensing and HR related aspects

TWO DAYS WORKSHOP

First Day: Sunday, March 1st

- 8:00 - 8:30** **REGISTRATION**
- 9:00 - 9:45** **MEDICAL EQUIPMENT PLANNING - AN INTRODUCTION**
Medical Equipment Planning Components & The Medical Equipment Planner Roles
- 9:45 - 10:30** **MASTER ROOM EQUIPMENT LIST & PRE-INSTALLATION REQUIREMENTS**
What's Included & How Detailed it Should Be
- 10:45 - 11:30** **HEALTHCARE IT - PART 1**
A Brief Look at the Spectrum of Healthcare Information Technology Part 1
- 11:30 - 12:15** **CODING & GROUPING OF MEDICAL EQUIPMENTS**
Equipment Categories, Nomenclature and Architecturally Significant Equipment
- 13:15 - 14:00** **RADIOLOGY, SPECIAL SESSION**
Medical Equipment Planning of Radiology Equipments
- 14:00 - 14:45** **HEALTHCARE IT - Part 2**
A Brief Look at the Spectrum of Healthcare Information Technology Part 2
- 14:45 - 15:30** **SPECIFYING THE MEDICAL EQUIPMENTS**
Specification of Medical Equipment & Cut Sheets
- 16:00 - 17:00** **HYBRID OR, SPECIAL SESSION**
Medical Equipment Planning of Hybrid OR's
- 17:00 - 17:30** **OPEN DISCUSSION**

Second Day: Monday, March 2nd

- 9:00 - 9:45** **INTRODUCTION TO ASSET MANAGEMENT**
A Brief Look to the Operational Management of Biomedical Dept.
- 9:45 - 10:30** **INTRODUCTION TO HOSPITAL PROJECTS**
The First Steps in Developing a Hospital
- 10:45 - 11:30** **INTRODUCTION TO HOSPITAL ARCHITECTURE**
Types of Medical Areas in a Hospital - Definition and Overview of Facilities
- 11:30 - 12:15** **HOSPITAL COMMISSIONING**
Critical Issues for the Operational Commissioning of Hospitals
- 13:15 - 14:00** **MEDICAL FACILITY PLANNING - AN OVERVIEW OF CODES AND STANDARDS**
Codes and Standards for Medical Facility Planning - from AIA over NHS to DIN
- 14:00 - 14:45** **MEDICAL PLANNING DRAWINGS**
Medical Planning Drawings Differences and Use
- 14:45 - 15:30** **CLINICAL ENGINEERING CERTIFICATION**
(CEC) Program - by ECRI
- 16:00 - 17:00** **INFECTION CONTROL**
Principles and Standards for Hospital Planning
- 17:00 - 17:30** **OPEN DISCUSSION**

We offer the attendees a complimentary two coffee breaks and a buffet lunch in both days

MEET OUR EXPERTS



Mr. Henning Lensch

Dipl.-Ing. Henning Lensch, Architect, He is the Chairman of the Hospital and Healthcare Division of the VBI, Association of German Consulting Architects and Engineers, Berlin. Henning studied architecture in Hamburg, Germany, as well as at School of Architecture in Aarhus, Denmark. Henning is also guest-lecturer at international healthcare conferences and Universities. Due to his worldwide projects, Henning could gain profound experience in state-of-the-art healthcare infrastructure projects from the latest integration of hybrid Operation Theatres until a Master Plan of all healthcare institutions and building in three cities in central Asia (World Bank). Recently, Henning is also nominated as judge for design competitions in Europe and Asia.



Mr. Thorsten Wehrle

Mr. Wehrle (Dipl. Ing Biomedical Engineering) has more than 16 years experience in medical and laboratory equipment planning for hospitals, university hospitals and science institutes, Specialized in medical imaging equipment, Since 2007 he is the Managing Director and Shareholder of mtp.



Mr. Dennis C. Librandi

Dennis C. Librandi is a Principal at an Equipment Planning Firm. He served for 7 years on the Design Team for a Fortune 500 Health System and 8 years as a consultant to architects in the Design and Construction of Healthcare Facilities. Over the past 15 years he has been involved in Equipment Planning with over 45 completed projects including 5 Replacement Hospitals, 47 Integrated/Smart ORs, Hybrid Suite, and numerous other projects. He has over 35 years of experience in the Biomedical/Clinical Engineering Field. He is a Founding Father of the Florida Biomedical Society and the Suncoast Biomedical Instrumentation Society.



Mr. John Jackson

John Jackson has extensive experience in healthcare development and hospital operational management in the UK and the Middle East and currently provides healthcare consulting services in health planning, business planning, hospital commissioning and operations. He has worked in 19 countries in operational and consulting roles, and has developed and managed highly successful private hospitals as well as undertaking senior and board corporate roles including that of CEO.



Mr. S. Ramnath

Mr. Ramnath is a qualified Biomedical Engineer with over 30 years experience, including 30+ years in Senior Management positions in this field, having worked for Siemens, Picker and other Multinationals in South East (Singapore and Malaysia) and South Asia. He has been a Principal Consultant with ECRI in the Middle East, based in Dubai for the last 10 years and has been educated in Healthcare Management and Healthcare IT at the Harvard University, Boston, USA



Dr. Andreas Zimolong

Dr. Zimolong has received his PhD in Medical Engineering from the RWTH Aachen University for his work on safety and reliability of computer assisted mechatronic systems. After his engagement with Synagon 14 years ago, he is concerned as consultant with various aspects of computer science and information technology in hospitals. His projects include planning and implementation of information technology strategy, provisioning of IT-infrastructure such as data networks and data centers, tools for mobile health technology as well as data storage and realization of reliable computing. He also worked for hospitals as CIO on an interim basis. Since 2009 he is the managing director of Synagon.