MEDICAL EQUIPMENT PLANNING SERVICES



Delivering the Heathcare of the Future





THE COMPANY

TAHPI offers comprehensive specialized services for Healthcare projects, including:

Health Technology Planning Health Services Planning Facility Standards and Guidelines Architecture & Design Briefing Medical Equipment Planning Mechanical, Electrical, Public Health & Fire Services Interior Design Project Management Software Development

Our services are uniquely scalable to suit our clients needs – from single project to system – wide application.



TAHPI specialist staff bring deep experience, expert knowledge and skills in all planning disciplines to address the complexities of delivering healthcare projects.

Close partnerships with governments, public and private enterprises contribute to our well-grouned and evergrowing reputation worldwide.

MEDICAL EQUIPMENT PLANNING

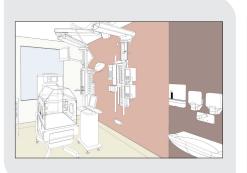
Healthcare Equipment Planning is a specialized process and requires not only a clear understanding of the clinical need but also an intricate knowledge of budgeting, architectural design and building process.

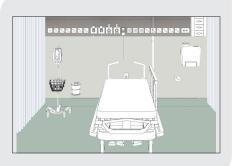
Effective project planning can only be achieved through a successful team process. This cohesive team generally consists of user groups, project managers, architects and other associated healthcare planners such as equipment planners, whose responsibility is to balance the requirements of the clinical users and their clients against available healthcare technology, budgetary targets and the realities of the design and construction process.

EQUIPMENT PLANNING PROCESS









EQUIPMENT PLANNING

A high level department by department Medical Technology report details the types and complexity of the medical equipment technology intended to be used to meet the project's requirements and needs.

Once the medical equipment requirements are determined, detailed room by room Equipment Schedule, Bill of Quantity report and Budget Estimate are developed. The equipment schedule is used later to verify any room dimensional deficiencies, provide Medical Gas Schedule and medical equipment Mechanical, Electrical and Plumbing Schedule.

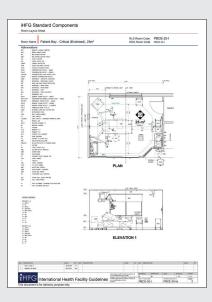
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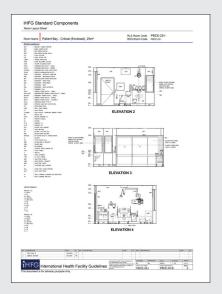
Room Data Sheets (RDS) & the Room Layout Sheets (RLS) for all clinical rooms are developed.

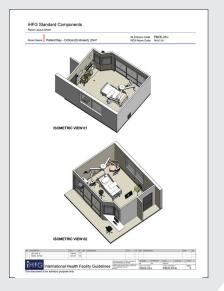
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343	Room Tag:		Standard Components		
PBCE-25	12 Room Code:), 25m	Bay - Critical (Enclosed	Room Name Patient	
	Selection / Remarks	Qty	Service Category	Description	ID (01
		-	Lighting	Seneral: colour corrected Special: night lights	1060
	to services pandant/s		Lighting Medical Gases	opecial: regre egree Vedical Air (NA)	100
	to services pendant/s		Medical Games	Daygen (O2)	nice
	to services pendant/s		Medical Gases	Suction	1040
	+ indicator button & light		Nume Call	Emergency call	5060
	call button on the handeet		Nurse Cal	Patient call handset	5008
	+ indicator button & light	1	Nume Call	Patienti Staff call	9000
	+ indicator button & light	1	Nume Call	Staff: Nume assist call	5010
		- i	Power	Cardiac protected	0000
		1	Power	3PO: Cleaner	2015
115	to walls: 1 for bed and attachme		Power	3PO: Double	2001
	to services pendant/s	10	Power	3PO: Emergency power, single	2010
	to dialysis station	1	Power	3PO: Emergency power, single	2010
	to services pendant/s	12	Power	3PO: Single	9000
	to TV, clock	2	Power	SPO: Single	0000
	to procedure light	1	Power	SPO: Special: for equipment	9060
	to services pandant's	2	Power	SPO: Uninterrupted power single	2069
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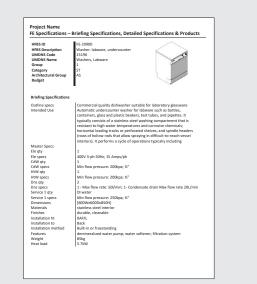


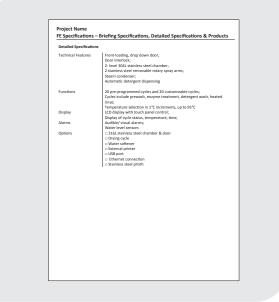




EQUIPMENT TENDERING

This phase looks into collecting all documentation required for a successful tender. Medical equipment technical specifications and a list of top three manufacturers per equipment are developed for the items to be procured. Warranty & training requirements, detailing the number of trainees, type of training and their duration and location for all equipment are identified as well.





PROCUREMENT

Purchase Orders (PO) and Procurement/ Delivery schedules are prepared taking into account the equipment lead times, Architectural/ Mechanical/Electrical/Plumbing impact and the construction progress.

DELIVERY, INSTALLATION & COMMISSIONING:

Delivered equipment are assessed against the purchase orders and a record of deliveries detailing outstanding, noncompliant and accepted deliveries is kept for reference. Requisition numbers are issued in compliance with the current site asset management system.

Supervision over installation and commissioning takes place with proper documentation for each equipment kept on record, to ensure an effortless and smooth handover to the client.

RECENT PROJECTS

AKUH HOSPITAL, KAMPALA, UGANDA

The Government of Uganda provided the Aga Khan University with land of sixty acres in central Kampala for the establishment of a 500-600 bed tertiary teaching hospital. The hospital will be of international standard providing specialty care in several disciplines. It will also be a training site for doctors, nurses, and other health professionals. Thus at full development, the site will consist of a Hospital and Health Sciences' Campus. The campus will be developed in phases of which the initial phase known as the Launch Phase will consist of approximately 85 beds.

- Medical Equipment Planning
- Budget Analysis
- Room Data Sheets
- Room Layout Sheets
- Technical Specifications
- Medical Equipment Tender Review

NEW DUBAI GYNAECOLOGY AND FERTILITY CLINICS, DUBAI, UAE

Due to the expansion of the Dubai population, the existing DHA Dubai Gynaecology and Fertility Center will be transferred to a new facility within Latifa Hospital. The IVF facility will be equipped with state-of-the-art technology equipment within the IVF laboratory, operating theaters, ultrasound department and day ward.

- Medical Equipment Planning
- Room Data Sheets
- Room Layout Sheets
- Technical Specifications

COMPREHENSIVE CANCER CENTRE AT SULTAN QABOOS UNIVERSITY, MUSCAT, OMAN

The Sultan Qaboos Comprehensive Cancer Center (SQCC) will provide comprehensive and contemporary cancer services to Oman's growing population. It is envisaged that this centre is to be a state of art world class facility for diagnosis, treatment, research and training of healthcare practitioners. It is the vision of the Government of Oman that the facility is to include only the best specialised services and equipment. The center will be constructed in two phases to accommodate the immediate, medium term and long term cancer care requirements of the population of Oman. Phase I will consist of a 105 bed cancer care facility.

- Medical Equipment Planning
- Budget Analysis
- Room Data Sheets
- Room Layout Sheets
- Technical Specifications
- Medical Equipment Tender Review
- Medical Equipment Procurement

NEURO SPINAL HOSPITAL AND RADIOSURGERY CENTER (NSRC), DUBAI, UAE

The Neuro Spinal Hospital (NSH) is a 39 beds premier neurosciences facility founded in 2002. This tertiary healthcare is recognized as a referral center for the region. The owners have made the decision to invest in a new 100 beds world-class Neuro Spinal Hospital and Radiosurgery Center (NSRC). The facility will occupy approximately 295,500 square feet of built up area comprising of four floors providing emergency, inpatient, outpatient, allied health, diagnostic, administrative, support, and education services. TAHPI MEQ team is assisting a smooth transition from NSH to NSRC

- Medical Equipment Planning Review
- Medical Equipment Move Schedule
- Medical Equipment Component of the Transition Plan

GOZO HOSPITAL EXPANSION, GOZO ISLAND, MALTA

The project consists of four construction components on the island of Gozo, on the grounds of the existing Gozo General Hospital. The Barts College School of Medicine (5,708 sq.m), demolition of the geriatric care at the Gozo General Hospital, new construction and additions to the Gozo General Hospital (18,400 sq.m), a new R&D facility (approx. 2,000 sq.m), and refurbishment within the existing hospital (14,727 sq.m).

- Medical Equipment Planning
- Room Data Sheets
- Room Layout Sheets in Beam Modeling
- Technical Specifications
- Medical Equipment Tender Review
- Medical Equipment Procurement
- Installation & Commissioning

PANTAI HOSPITAL AYER KEROH, MELAKA, MALAYSIA

The existing 227 bed Pantai Hospital Ayer Keroh intends to embark on a 154 bed expansion project which entails a comprehensive and fully integrated healthcare services platform on the adjacent land measuring 2.4 acres. • Medical Equipment Planning

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