



modularconcepts®

hospitaler manufactured

Factory Built Hospitals

www.modconslc.com



Mission

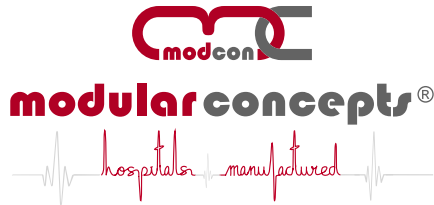
Providing turnkey, comprehensive in-house capabilities to deliver healthcare infrastructure worldwide.

Vision Statement

To be the #1 choice worldwide in healthcare infrastructure.

Core Values

- Passion for work
- Innovation at work
- Customer satisfaction
- Team work



Welcome to Modcon - a pioneer and leader in providing sustainable modular construction solutions. We offer end to end solutions in Modular Construction. Design, Design development, Off-site and On-site construction, Testing and Commissioning and Handover.

We develop your design to modular grids and deliver the modules to the site with 95% readiness. Our experienced planning specialist convert individual architectural draft into modular construction design, integrating sophisticated design and style the most modern technology, fittings and Equipments, for sanitation, HVAC and electrical requirements.

Our facilities enable us to deliver quick modular projects that are build to last. You can discover an array of possibilities with our high quality modcon building techniques. Modcon Modular Construction has a wide range of applications such as hospitals, schools, accommodations units and commercial buildings.

Our team possessed unmatched competencies in designing modular construction for all specialist departments of a hospitals. We can deliver world class medical engineered modular facilities, hospital electromechanical system and hygiene finishes that are defined and implemented in closed collaboration with our customers.

The work is carried out in our state of the art in our production facilities on affected by the weather, supervised constant quality control and adhering to timelines. Our precise production processes, sophisticated materials logistics and strictly monitored procurement system make it possible to have absolute product transparency from wall construction right down to the smallest fittings creating the best conditions for quality, durability and life cycle of the building. With a systematic process, we complete your modular construction in six steps: Planning, Production, Installation, Transportation, Assembly, Commissioning.

Our highly skilled and professional team has extensive knowledge and experienced with all type of modular buildings and its committed to provide high quality workmanship and world class customer service.

THE MODCON ADVANTAGE



**FLEXIBILITY IN
PLANNING
AND DESIGN**

**UP TO 95%
PREFABRICATED**



**ASSEMBLY LINE
PRODUCTION WITH ONLY
THE SUBSTRUCTURE
BUILT AT SITE**

**SHORT
CONSTRUCTION TIME**



**QUICK ASSEMBLY OF
MODULES AT SITE**

**NO NOISE OR
DISTURBANCE AT
SITE**



**SHORT
COMMISSIONING TIME**

**FAST RETURN ON
INVESTMENT**



MODULAR CONSTRUCTION

Modcon creates and delivers to the site buildings that are 95% complete, saving time and money

PRODUCTION PROCESS



1



2



3



4

1

PRODUCTION FACILITY

2

MODULE FABRICATION

3

MODULE FITOUT

4

MODULE TRANSPORT

Pre- Planning

- Plan for the property or Find property
- Get the pre-construction team
- Design your site and building layout
- Submit for permits and approvals
- On Site preparation and create foundation

5



6



7



8



5

MODULE PLACEMENT

6

SERVICE CONNECTION

7

SITE FINSHES

8

FINAL OUTCOME



Civil Constructions

Modular Construction

Factory made fast track modular building construction system based on steel structure with different walling components is designed according to relevant standards to withstand various forces, manufactured and fabricated in a controlled factory environment and shipped to a prepared building site for installation.

Major Benefits

Speed

- As major part of construction is off site, it leads to considerable shorter duration at site. Offsite and Onsite construction can go in parallel. Resulting in overall shorter design and construction schedule.

Quality

- Volumetric Modular Construction delivers the majority of the final product from the controlled environment of factory by on line assembly system thus resulting in higher quality.

Durable

- Prefabricated & Prefinished Volumetric Construction (PPVC) Modular Buildings and hospitals are strong structure designed to last. Like conventional buildings confirms to structure, service and safety parameters of codes required for the type of structure.





MEP

Building Management System

Modular concepts has the capability to provide complete MEP design and build service in order to offer complete turnkey fit out solution to the health care sector. Managed by an experienced team of engineers with extensive local experience with relevant international standards as well as regional local authorities' regulations, Modular Concepts can offer clients a complete packaged solution. We are currently engaged in providing turnkey design and build solutions in several hospital projects in the region. This combined with our management vision and modern outlook, has enabled us to be recognized as a leading provider of such specialized services and a one-stop shop for all your healthcare construction requirements.

- Plant & Machinery Installation
- Air-Conditioning and Ventilation
- Automation and Control System
- Water Supply System
- Water treatment System
- Drainage & Storm water System
- Fire Fighting & Fire Suppression System
- Electrical systems-Lighting & Power
- Power distribution System
- Power generation Plant
- HV & LV Power network & Cabling
- Earthing & Lightning Protection System
- External lighting system
- Fire detection and Alarms
- Security systems and data Cabling
- Low current system



Fitout

Interior Fit-outs

Modular Concepts also delivers hospital interior fit outs complying to the Hospital standards. We uphold the client values and quality by ensuring all works are high standards. We have proven record in the field of hospital partitions, interiors, finished wall cladding, dry flooring, ceiling works etc.

- Dry Wall partition Systems and paneling
- Interior Decoration and Joinery
- Fire Protection system
- Bath Support System
- Fire rated doors and windows
- Radiation Protection system
- False Ceiling Systems
- Wall Protection system
- Floor Systems
- Special Doors (ICU, CCU and OT)
- Flooring Systems





Medical Equipment

OT Equipment's

- Anesthesia Machine
- Electric Operating Table
- Operating Light
- Patient Monitor
- Infusion Pump
- Ventilator
- Mechanical Anesthesia Pendant

Monitors

- Vital Sign Monitors 3 Parameters
- Vital Sign Monitors 5 Parameters

CSSD Equipment's

- Autoclave
- Automatic Washer
- Bed Pan Washer
- Washer Softener
- Washing Basin
- Working Table
- Mini Ultrasonic Washer
- Spraying Gun
- Plasma Sterilizer
- Trolley Washer

Pumps

- Infusion Pump
- Syringe Pump Single channel
- Syringe Pump Double Channel







Medical Engineering

Piped Medical Gas Systems

Design, Supply, Installation, Testing and Commissioning of Piped Medical Gas Systems. The systems are designed to facilitate and monitor the delivery of gas throughout hospitals and clinics.

Modular Operating Theaters

Design and Installation of Modular Operating Room Systems for Surgical, Intensive care and Recovery Units. Modular Operating rooms include smooth and seamless walls, Ceiling with integrated room lighting & air flow management, Surgeons control panels, Isolated power supply system's - to ensure particle counts are within approved limits to ensure sterility and thereby safety for patient and staff.

Radiation Shielding

Modular Concept specialized in providing the required shielding through supply and installation of prefabricated lead sandwiched panel, Copper shielding etc. as per the function of the radiology procedure room.

Nurse Call Systems

Every Hospital and Medical Centre needs a Calling system to facilitate the Patient - Staff, Staff - Doctor communication and we serve this need by providing Nurse Call System. We provide these systems to European and American standards as per requirement of the Client Project Team.

Pendants & Bed Head Units

Integrated delivery of services like Electricity, Telephone, Nurse Call, Lighting control, Entertainment control, Medical gases, Support shelves for monitors and medical accessories are provided through Bed Head Units and Pendants.

Isolated Power Supply Systems

These are systems that protect the patient from earth leakage current and prevent the shutdown of critical equipment due to earth leakage current by isolating the supply through transformers.

Pneumatic Tube System

Pneumatic Tube Systems are widely used in hospitals and department stores, which is fast, simple, secure, and reliable way of transporting small objects relatively large distances across a building between buildings on the same site. Hospitals use this mainly to transport medicines, lab samples, medical records through a tube system from receiving and sending stations.





REFERENCES - On-going Projects

Koosamma Shambhu Shetty Memorial Haji Abdullah Mother & Child Hospital - India



Avitis Super Specialty Hospital - India



CASE STUDY Modular Construction

His Highness Sheikh Khalifa Bin Zayed Al Nahyan Hospital Seychelles, East Africa



Project aim & objectives

To build 30 Beds hospitals specialized in women and children care. Hospital Facility comprises of 30 beds including operating rooms, Intensive Care Unit, Recovery Rooms, Pre and Post Out patient area, Sterilization Department, Radiology Department and all support service facilities.

Duration

Modular Concepts completed the above scope was 95% of modular construction at Modular Concepts Factory in Investment park, Dubai -UAE with in a time frame of **eight months**. On-site works included Module Placement, Service Connection, Site and including final fitout finishes, including medical equipment, installation, testing and commissioning and handing over in **two months**.

The above project was donated by Sheikh Khalifa Foundation Abu Dhabi with their generous humanitarian initiatives in association with Ministry of Health and planning at Seychelles, East Africa.

CASE STUDY Turnkey Design & Built

Bright Point Royal Womens Hospital Abu Dhabi, UAE



Project aim & objectives

To redesign and conversion of an existing tower building consisting of fifteen floors to 80 Beds Hospital. Modular Concepts performed as a privileged main contractor to undertake redesign and build a 15 floors tower project to 80 beds hospital. The project is the first private mother and child healthcare facility in Abu Dhabi.

Hospital Facility comprised of 80 beds including Operating Rooms, Nurseries and neonatal Intensive Care Unit Department, Laboratory in patient pharmacy, Recovery Rooms, Pre and Post Out patient area, Sterilization Department, Radiology Department, and all support service facilities. The specialized works included civil construction, medical engineering, MEP works and fitout works.

Status: Project completed in 2015

CASE STUDY Turnkey Hospital Fitout

Valiant Clinic
The City Walk
Dubai, UAE



Project aim & objectives

Modular Concepts accomplished a prime position in healthcare fitout work by successfully completing “Valiant Clinic” the premium multi-specialty outpatient clinic located at the vibrant City Walk at the heart of Jumeirah. Project realization was Headed by our Senior Interiors Architect and Project Managers and fitout team of carpenters.

Modular Concepts completed the interiors fitout jobs with contemporary hygienic synthetic flooring systems, innovative wood works, decorative nursing workstations with wall painting and ceiling skylights, dry wall systems, radiation shielding works, decorative wall claddings which give positive influence on patients', visitors' and staff's perceptions soothing feel to hospital environment.

Status: Project completed in 2016

CASE STUDY Medical Equipments

Zabeel Primary Healthcare Centre Dubai, UAE



Project aim & objectives

Modular Concepts on its path of exploring new ventures and successful journey in executing healthcare projects, it has created a breakthrough by entering into supply, installation, testing and commissioning of turnkey medical equipments.

The project is owned by Dubai Health Authority. Zabeel Primary Healthcare Centre recently received a Joint Commission International accreditation. The centre is equipped with the latest state-of-the-art facilities and offers the community specialised health services, ensuring community members have a full spectrum of health services at primary healthcare level.

Equipments includes: **X-ray & Radiographic machine, Medical, Lab Equipment, Hospital Furniture, Hospital Mounted Wall Cabinets, Laboratory Furniture**

Status: Project completed in 2016

CASE STUDY Turnkey Medical Engineering

Alexis Hospital Nagpur, India



Project aim & objectives

Alexis is a multispecialty hospital located in Nagpur, Maharashtra, India - one of the top healthcare facility built to international standards.

Modular Concepts have successfully realized the turnkey medical engineering works which includes modular operating rooms, with fixed medical equipments, medical gas systems, bed head units, special doors and pneumatic tube systems.

Status: Project completed in 2016



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