

Design, Manufacturer and Supplier of
Modular Operation Theatre Systems,
ICU, NICU, CATHLAB



**PERFECT
ELECTROMEDICAL
SYSTEMS**

Turnkey Solutions for Healthcare !



Think Modular Theatre Systems
Think **PERFECT ELECTROMEDICAL SYSTEM**

We Conceptualize, Design, Develop, Assemble and then Deploy.

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www.modularor.co.in



PERFECT ELECTROMEDICAL SYSTEMS

Turnkey Solutions for Healthcare !

Turn Key

- We conceptualize, design, develop, assemble and then deploy
- In-house manufacturing
- Technically qualified & competent hands
- Proactive communication with client
- Modular Systems for OTs, ICUs, PICUs, NICUs & Recovery Care Units
- We provide accurate and reliable data to guarantee.... You get, what you needs.

One-Stop-Solution

Modular Theatre System & Health Air Conditioning

Unlike most in the industry, our methodology and infrastructure are what differentiate us!

01. Need Analysis
02. Discussion & Suggestions
03. Project Finalization
04. In-house Design
05. Customize Development
06. Finalization of Design
07. In-house Manufacturing
08. Mobilization of Men & Material
09. Project Execution
10. Trial-Run
11. User Training
12. Commissioning & Hand-over
13. Support & Maintenance





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Advanced Technology and Techniques

PEMS Advantage

The scientific and technical progress of the last few decades has certainly made our life more convenient. On the other hand, it has brought on a bunch of new barriers mankind has never encountered. Among them are allergic / communicable diseases. The advent of new micro-organisms, increasing bacterial resistance, impaired immunity etc. has challenged the medical fraternity time & again. The control over indoor air quality may be a significant factor in maintaining good health.

- Over two decades of dedicated research and analysis.
- Better understanding of sterile environments in health care.
- Expertise in nosocomial infection free zones.
- Specific emphasis on indoor air quality requirements of OT & ICU.
- Path-breaking technology and technique.
- Multi disciplinary approach.
- Specialised Health Air-Conditioning.

Electronic Plasma Incineration Chamber (EPIC)

Being pioneers in air sterility management for the healthcare industry, our proprietary technology using the most advanced Electronic Plasma Incineration Chamber (EPIC) germicidal technology ensures maximum killing of air-borne micro-organisms. Thus, unlike only the conventional multistage filtration approach, we deliver the best possible sterile air for all medical environments.

With EPIC technology, air in health care setups

- More clear, More pure, More healthy
- High standards of air cleanliness & purity
- Extremely effective on all kinds air pollutants and contaminants



Modular Surgical Units

Advancement in medical technology has become the need of the hour. An Operation Theater (OT) has gained utmost significance simply because, in most cases, operating under critical circumstances is the last resort to save the patient's life. Hence, ultra-modern OTs are supposed to be equipped with all crucial equipments that are necessary and important to successfully operate on and save invaluable of patients.

PEMS, through years of expertise in customising OTs for small set ups to renowned multi-speciality hospitals, has gained unparalleled expertise in building seamless and extremely user-friendly set-ups. Thus, facilitating surgeons to operate efficiently and comfortably on the most critical of cases.

Standards followed :

Compliance to all National & International Standards.





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PEMS Modular OT Advantage

- Pioneers of Hygiene Glass OTs in India
- Excellent, Customized & Ultra-sophisticated designs
- Use of finest & apt materials
- Facilitate integration of equipment and vital data that is required for a surgery to be successful
- Absolute sterile environment
- Reliance on surgical infrastructure and contamination free workspace
- Highly customizable - no restrictions regarding layout, internal appearance and external treatments
- International quality design & workmanship
- Energy efficient, environment friendly, extremely reliable and minimum maintenance for longer service life.





ICU HEALTH Air Conditioning & Modular Systems

ICUs, ICCUs and Recovery Care Units are the need of the hour. These units provide crucial life support to patients who are critical and need utmost care and medical safety. Intensive Care specialists cannot afford any kind of infection to the immunity compromised patients. It is vitally important to maintain the quality & purity of air in all kinds of critical care units. There is an urgent need to address the specific requirements of ventilation & filtration to dilute & remove contamination in the form of airborne micro-organism, mould & bacteria (from the air & surfaces), ultra fine particulate etc.

Today's Scenario :

- Lack of fresh air in the rooms with no or very less scope for ventilation.
- New micro-organisms and increasing bacterial resistance.
- Increasing number and crowding of people having infections & ailments.
- Infected & ailing patients occupying the place for longer time, making periodic cleaning difficult.
- No scope for fumigation or cleaning of ICU.
- Continuous exposure of the health care professionals & patients to infectious air.

PEMS Advantage

- This specialised system with built-in-fresh and re-circulating ventilation ensures specifically designed clean air for these critical care areas
- Patients recuperate in an infection-free environment
- Prohibit, control nosocomial infections
- Produce most sterile and contamination-free air
- Healthy & faster recovery
- Protection to doctors, staff & patients.

NICU & PICU

Challenges :

- New born and under-weight babies are prone to harmful infections easily
- High rate of morbidity and mortality
- Nosocomial infections is one of the biggest contributors increase prolong stay and high cost of health care.

PEMs Support :

- Specialised health air-conditioning systems and modular infrastructure have proven to be precious, life saving solutions for pediatricians
- Decreased infection-based mortality
- Better control over infection causing environment
- Happy families & happy health care staff



**PERFECT
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Hermetically Sealed Clean Room Doors



SWING DOOR



AIR SHOWER

Modular OT Components



DOUBLE ARM PENDANT



PASS BOX



AUTOMATIC SCRUB SINK

Our Services

- Specialist consultancy
- Project design
- Production
- Installation
- Technical assistance
- Maintenance
- System validation
- System Calibration

Our Clients

