AIHEP

The Arab Institute of Healthcare Engineering Professionals

A professional platform advancing healthcare engineering excellence across Qatar, the GCC, and the wider Arab region.

THE ARAB INSTITUTE OF
HEALTHCARE ENGINEERING PROFESSIONALS

Engineering with a responsibility to protect life.

Initiated by **M&M Consultancy Services**, AIHEP is a professional platform dedicated to strengthening healthcare engineering competency, patient safety, infrastructure reliability, infection prevention, sustainability, and regulatory readiness across the healthcare sector.

aihep.mmcts.qa

Why Healthcare Engineering Matters



"Behind every safe healthcare environment, engineering protects life."

Healthcare is not only about treatment. While doctors and clinical teams provide direct patient care, healthcare engineering professionals work silently behind the scenes to prevent risks, control infections, and protect patients, staff, and visitors through safe, reliable, and compliant hospital infrastructure.

Healthcare engineering directly supports:

- Patient safety and clinical continuity
- Infection prevention and ventilation reliability
- Medical gas, electrical, water, fire, and life-safety systems
- Emergency preparedness and infrastructure resilience
- Accreditation readiness and regulatory compliance

Vision, Mission and Core Values

Vision

To advance healthcare engineering excellence in alignment with Qatar National Vision 2030 and national healthcare quality priorities.

Mission

To strengthen healthcare quality, safety, and sustainability by developing competent healthcare engineering professionals through structured training, certification, knowledge sharing, and continuous professional education.

Core Values

Our core values guide every decision, action, and partnership. They reflect our commitment to building safer, smarter, and more sustainable healthcare environments.

01

Integrity

Acting with honesty, responsibility, and professional ethics.

02

Transparency

Promoting openness, clarity, and accountability in practice.

03

Collaboration

Working with authorities, hospitals, professionals, and partners.

04

Respect

Valuing people, expertise, diversity, and professional contribution.

05

Innovation

Encouraging new ideas, digital transformation, and improvement.

06

Competency

Developing skilled professionals through learning and CPD.

07

Safety

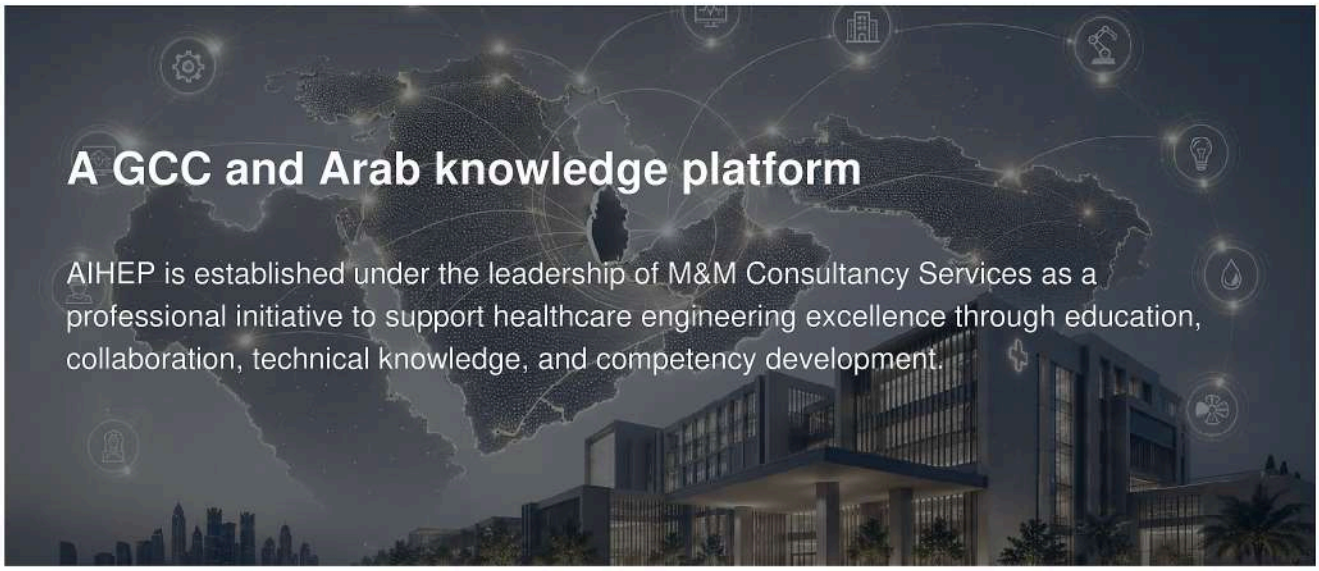
Protecting patients, staff, visitors, and healthcare environments.

08

Excellence

Delivering high standards in engineering performance and leadership.

A GCC and Arab Knowledge Platform



What AIHEP Will Become

Professional Body

A neutral professional platform for recognition, collaboration, and healthcare engineering sector development - moving beyond training towards professional excellence.

Knowledge Hub

A dedicated knowledge platform providing technical resources, best practices, guidelines, case studies, standards references, and regulatory updates.

Regional Network

Connecting healthcare engineering professionals, leaders, regulators, consultants, service providers, and knowledge partners across the region.

Competency Pathway

A structured pathway supporting CPD, certification, membership progression, and professional development for healthcare engineering professionals.

Healthcare Engineering Focus Areas

1. Healthcare ventilation and isolation room performance
2. Medical Gas Pipeline Systems and life-support infrastructure
3. Water safety, Legionella control, and healthcare hygiene engineering
4. Electrical safety, emergency power, and critical systems reliability
5. Fire and life safety, pressure systems, and emergency preparedness
6. Sustainability, energy efficiency, and Net Zero healthcare readiness

AIHEP supports safer, compliant, sustainable, and resilient healthcare environments by strengthening the engineering systems that directly support patient care.

CPD, Competency and Membership

CPD and Learning Pathways

- Healthcare Engineering Fundamentals
- HTM awareness and healthcare technical standards
- Hospital ventilation and medical gas safety
- Water safety, electrical safety, fire safety, and life safety
- Healthcare facility risk management and accreditation readiness

Proposed Membership Grades

Fellow
Senior experts and advisors

Senior Member
Experienced leaders

Member
Qualified professionals

Associate
Technicians, supervisors, and junior engineers

Affiliate
Students, graduates, and entry-level participants

Membership classification will consider

- Experience
- Education
- CPD participation
- Professional contribution
- Ethical conduct
- Healthcare engineering involvement

Authority-Aligned Collaboration



As a long-term vision of **M&M Consultancy Services**, AIHEP aims to develop as a professional, neutral, and knowledge-based platform working in alignment with ministries, healthcare regulators, hospitals, accreditation bodies, and international organizations.

Founder and Administrative Body

M&M Consultancy Services will provide administrative leadership, coordination, and platform development.

Advisory Board

Senior healthcare engineering leaders, quality professionals, international experts, academic advisors, and hospital facility leaders.

Technical Committees

Specialized groups covering ventilation, water safety, medical gas systems, electrical safety, fire and life safety, sustainability, and facility management.

AIHEP is ready to support existing authorities by contributing technical knowledge, competency development, CPD programs, advisory support, and professional recognition for healthcare engineering professionals.

Launching a Professional Future

AIHEP by M&M Consultancy Services

The Arab Institute of Healthcare Engineering Professionals is established to develop, recognize, and support healthcare engineering professionals across Qatar, the GCC, and the wider Arab region through structured training, competency development, CPD, knowledge sharing, technical guidance, and professional membership pathways.

Who should be part of AIHEP?

- **Healthcare engineering professionals**, including senior experts and facility managers
- **Technicians, supervisors, and junior engineers** working in healthcare facilities
- **Biomedical engineering teams** supporting clinical equipment and hospital infrastructure
- **Quality and infection prevention teams** involved in healthcare safety and compliance
- **Consultants, contractors, and specialized service providers** supporting hospital engineering systems
- **Regulators, inspectors, and accreditation professionals** involved in healthcare standards and facility compliance
- **Universities, training providers, and academic institutions** supporting professional education and competency development
- **International professional bodies and knowledge partners** supporting collaboration, standards, and sector development

"Developing People. Transforming Systems. Delivering Compliance."

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