



شركة الهندسة الصيدلانية
Pharma Engineering Company

Company Profile

2024

**Your Turnkey Solution Partner
For Cleanroom Facilities**



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About Our Company

Pharma Engineering Company (PECO) is a leading turnkey projects solutions provider specializing in industrial applications with a focus on critical industries such as Pharmaceuticals, Food, FMCG, Semiconductors and Electronics.

We deliver exceptional solutions that meet the highest standards

Our highly skilled professionals design, install and maintain cleanroom projects tailored to our clients unique needs.

Our comprehensive services include HVAC, Fire Fighting, Modular cleanroom partitions, Electricals, Access control, BMS&EMS integration, Epoxy floorings and more..

we are committed to quality, innovation and customer satisfaction.

Vision

PECO seeks to be the the first choice for all the cleanroom clients in Saudi Arabia and to expand globally in the coming coming years.

Mission

PECO ultimate goal is to be a one Stop-Shop for all the cleanroom projects requirements, and to create along lasting relationships with our clients based on trust.



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QUALIFICATIONS



01 Regulatory Know-How

02 End To End Solutions

03 On Time And Budget

04 Quality And Reability

05 Customized Solutions

06 Experiences

Services

Due to our vast experiences in the field of cleanroom, we guarantee that the facility will be designed and constructed with compliance with all the necessary regulations (SFDA, USFDA, EU GMP, WHO .. etc) all under GPM guidelines .

with decades of industry experience and a lot of successful projects, PECO positioned itself as a pioneer company in cleanroom turnkey projects solutions.

HVAC System



Utility & Piping



Cleanroom Partition



Electrical System



BMS & EMS



Epoxy Flooring



AND MORE ...

HVAC Systems :-

Customised HVAC systems & solutions are designed & engineered by experts having immense experience in designing the Pharma & Biotech Plants.

Our HVAC design is strictly based on the different guidelines and regulations set by authorities .

- ✓ • Duct fabrication conforms to SMACNA standards
- ✓ • Duct sealing as per Class A of SMACNA
- ✓ • Duct leakage tested qualitatively by smoke test and quantitatively as per DW standards
- ✓ • Classification of area - ISO 14644 series
- ✓ • Design confirms to WHO TRS series
- ✓ • All other requirements set by FDAs, US FDA, UKMHRA, TGA & MCA .etc





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Utility & Piping :-

Piping is critical in terms of design and is of utmost importance for any successful Pharmaceutical or Biotech facility. As it employs very high initial set-up cost and routine maintenance, its design has to be ideal and cost effective.

These utilities are Compressed Air, Steam, Cooling water, Chilled water, Different types of Gas piping etc. At GMP we make sure that all these utilities are designed to perform well at its peak use. We ensure cost-effective solutions by avoiding over design or under design.

Less impact on environment and making optimum use of capacity are focused upon, while we design the insulation materials. The piping standards like ASTM, ASME, BS standards are followed to assure high quality and a rigid system.

Our in-depth knowledge of piping and utility equipments enables us to build rigid systems with effortless installation along with piping and integration with different equipment's, like chillers, cooling towers, Air Compressors and Boilers etc



Cleanroom Partition :-

A complete System of walls and ceiling panels are available to meet the technical specifications of controlled environment rooms, the system is easily adaptable to meet the requirements of most clean room classifications as determined by cGMP grades used in pharmaceutical applications.

- ✓ • Panels have good impact resistance
- ✓ • Panel surface emits no particles
- ✓ • Panels have an appropriate balance of hardness and flexibility

We Provide :

- Galvanized Iron (GI) Panels
- Stainless Steel (SS) Panels
- High Pressure Laminates (HPL) Panels
- Glass Reinforced Polyester (GRP) Panels

In Various Insulation Options Such As :

- Poly Urethane Foam (PUF)
- Polyisocyanurate (PIR)
- Rock wool
- Honey comb

We Provide the each system with its required doors in customized Types and Dimensions .



Electrical System :-

We provide energy efficient electrical systems that provide maximum level of safety and require minimum maintenance.

We design customized electrical systems considering specific project requirements along with compliance to relevant International codes. We take into account fundamental principles of energy conservation and safety that encompass protection against electric shocks, thermal effects, over current, fault current and over voltage.

Dimmers are provided for lighting circuits to reduce the lux level at times when higher lighting level is not required. Also sensors are provided to switch off the lighting when the space is not occupied or where natural light is available to achieve the required lux level.

Electrical equipment intended for outdoor installation are designed to have minimum protection of IP55 (in accordance with IEC).



Building Management system (BMS):-

As an engineering solutions provider, “PECO” takes responsibility for design, supply, installation, commissioning and maintenance, offering end-to-end solutions, energy management and comfort throughout the life-cycle of the system.

Our BMS design conforms to 21 CFR Part 11 and GAMP 5 requirement. This ensures control of different parameters like Relative Humidity (RH), Temperature, Pressure zoning etc. of a cleanroom in critical areas like production facilities, laboratories and sterile areas etc.

Smart PC touch panels in the production area are used to display critical Parameters. These parameters are monitored and recorded to keep a track record of manufacturing areas.

A central monitoring and controlling system installed at a central location provides control and real-time monitoring of critical parameters. This system is password protected at various levels ensuring tamper proof with data. Our technology partners like ALC, GE Security & DISTECH Controls ensure that our clients get the promise of quality and easy service across the globe. BMS professionals at GMP are trained and experienced in handling massive and critical projects such as sterile facilities where environmental monitoring is of utmost importance.

Epoxy Floorings:-

Epoxy flooring is a very critical application in any Pharmaceutical industry. Classification of the Cleanrooms and cleanliness is also based on flooring and cleanliness. GMP Technical provides different types of epoxy flooring for different application, like for Stores, manufacturing areas, Corridors, Packing halls & Quality control.

The skilled technicians and world class material is our strength, we use ecofriendly material for epoxy application and a wide range, from standard coating to self levelers & very high chemical resistant antistatic floor to suit every production pattern

We also use wide range from Urethane floor, coating, self levelers & screeds with very high chemical resistance and thermal stability for very tough industrial environment, highly sustainable for wet process areas.



Clients :

Reference List With Our Scope of Work :

بدائل
badael

- Mixer Area Project
- JTS1 Turn-Key Project
- JTS2 Turn-Key Project
- JTS3 Turn-Key Project

 California
Greens

- Turn-Key Project


مؤسسة هديل الطبية
HADEEL MEDICAL COMPANY

- Turn-Key Project

 SAUDI CENTER OF TOTAL
PARENTERAL NUTRITION
المركز السعودي للتغذية الوريدية المتكاملة
SCTPN

- Conceptual and detailed design

 Nhara
Healthcare
Industries

- Pharma Turn-Key Project

Clients :



- Turn-Key Project



- Warehouse Project



- Turn-Key Project



King Abdul-Aziz Equestrian Club

- Turnkey labs Project



- Micro-lab Project

Clients :



MPS
Medical & Pharmaceutical Services
شركة الخدمات الطبية والصيدلانية

- Warehouse Project



Techno Orbits
مدارات للتقنية

- Warehouse Project



Euro Fins (AJAL FACROT)

- Turnkey labs Project



- Head Offices Project



GlaxoSmithKline

- Dispensing Area Project

And More ...



شركة الهندسة الصيدلانية
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Thank You

AND ASSURING OUR BEST SERVICES FOR ALL TIMES !



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Website

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