



ChrisleenTM

A Turnkey solution provider.....

.....More than just a contractor

BUSINESS **Brochure**

Chrisleen, since a decade, group of highly experienced multidisciplinary professionals providing Turnkey solutions to Pharma and other Industrial projects through exceptional project planning and execution methodology.

SPECIALIZED IN...



- ▶ **Modular Cleanroom**
- ▶ **Heating Ventilation & Air Conditioning**
- ▶ **BMS/IBMS/EMS**
- ▶ **Lab Setups**
- ▶ **Utilities**
- ▶ **Electricians**
- ▶ **Modular Offices**
- ▶ **Flooring**
- ▶ **PEB/Mechanical Structures**
- ▶ **Facads Glazings**
- ▶ **Cleanroom Equipments**

ABOUT US



OUR MISSION

To provide innovative solutions with an emphasis on quality, integrity, costs, responsiveness, and timeliness.



OUR VISION

Be the world's premier turnkey project organization by achieving extraordinary results for our customers, building satisfying careers for our people.

INDUSTRIES:



Pharmaceuticals,
Biotech



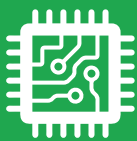
Laboratories



Hospitals



FMCG



Semiconductors



Data Centers



Solar Centers

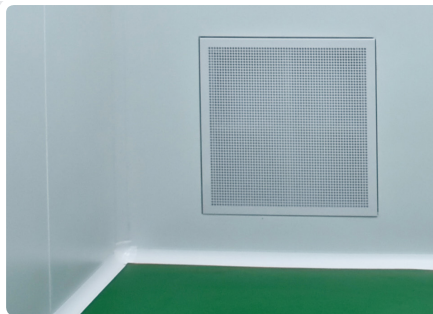
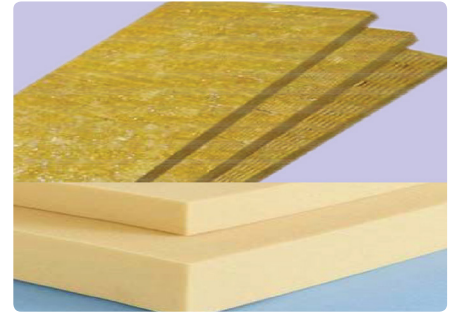


Automobile

MODULAR CLEANROOM

Our Modular panel system can be integrated with a wide range of new or existing systems to coordinate any cleanroom facility or manufacturing facilities. Simplified construction methods and our Progressive/ Non-Progressive systems helps minimize overall construction time.

- ▶ SS/PPGI/PCGI/HPL/PVC
- ▶ PUF/PIR/Rockwool
- ▶ 50/80/100 mm Thick
- ▶ Progressive/Non-Progressive
- ▶ Door and View Panels
- ▶ Full Glass Panels
- ▶ Fire Rated Panels
- ▶ Pre-formed Cutouts
- ▶ Walkable/Non Walkable Ceiling
- ▶ Inbuilt/Exposed RAR

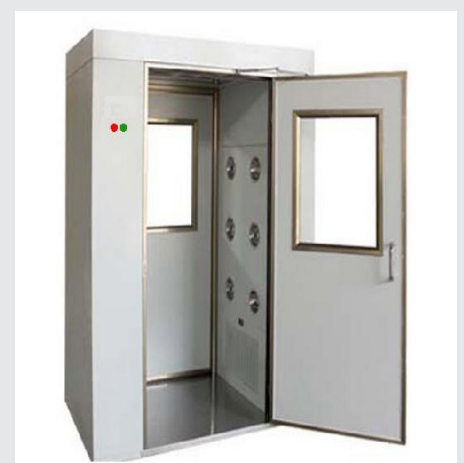


A complete range of Partition and Ceiling panels are available to meet the technical specification of controlled environment rooms. Both ceiling/partitions are inert, non particle shedding, forming part of a cleanroom aseptic envelope to enable compliance with FDA validation procedures and GMP standards.

- ▶ PUF with density of 40 kg.
- ▶ EPS with fire safety level 02 Sb3
- ▶ Rook wool with fire holding time of 2 5 hours
- ▶ PIR (Poly isocyanurate) foam, fire resistance, ASTM E84
- ▶ Thermal conductivity 0.024 W/m.k till 600°c

CLEANROOM EQUIPMENTS

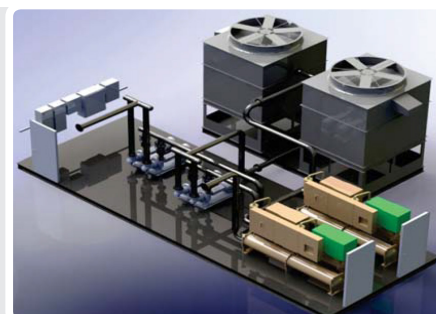
- ▶ Supply & Installation of clean equipments for pharmaceuticals includes,
- ▶ Dynamic passbox
- ▶ Static passbox
- ▶ Dispensing & Sampling Booth
- ▶ Laminar Air flow (vertical & horizontal)
- ▶ Reverse laminar air flow
- ▶ Stability Chamber
- ▶ Bio safety cabinet



HVAC

By an in-house engineering team and a good relationship with quality suppliers, CCPPL can provide a smart and an efficient HVAC solution's for complex cleanroom projects as well as commercial/ industrial air conditioning. Which includes,

- ▶ Conceptual design
- ▶ Selection of equipments
- ▶ Procurement
- ▶ Erection and Commissioning
- ▶ Validation



Products:

- ▶ Chiller Unit
- ▶ Cooling Tower
- ▶ VRV, Condensing Unit
- ▶ Air Handling Unit
- ▶ Dehumidifiers
- ▶ Ambiaters
- ▶ Air Washer
- ▶ Air Shower
- ▶ Forced Draft Ventilation Unit
- ▶ Scrubber
- ▶ Heat Recovery
- ▶ Ducting and Insulations
- ▶ Piping, valves and Insulations

HVAC

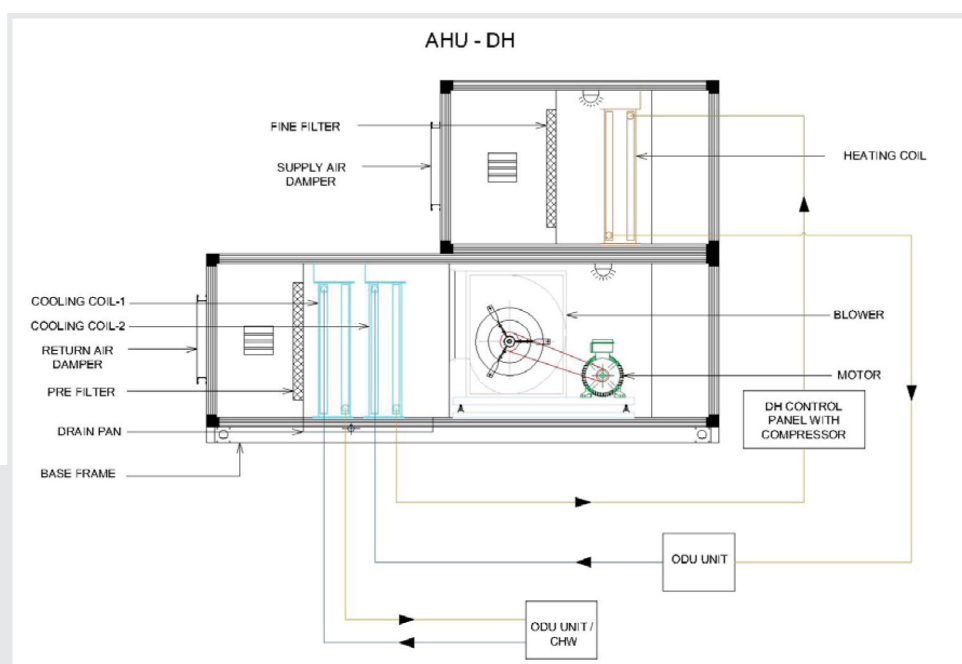
AHU-DH

The AHU-DH removes the moisture through a process by continuously condensing the water droplets (moisture) at sub zero level and further air is treated on reheat coil, hence humidity is reduced upto 35%

Refrigeration based integrated dehumidification system has following advantages over conventional desiccant based system.

- ▶ Low capital investment
- ▶ No additional space requirement
- ▶ High energy performance
- ▶ High-adaptability to humidity control at part loads

Typical System schematic is as follows:



Benefits Of DH-AHU System:

1. Ease of installation
2. Effective latent cooling
3. Independent control of temperature and
4. Flexibility of operations
5. Energy conservation: The innovative design shall help conserve energy in more than one way as follows:
 - A. By switching of DH system when low RH is not required
 - B. By minimizing reheating requirement
 - C. Providing reheat by compressor energy therefore saving entire hot water energy
 - D. High COP dehumidifier (3 to 3.5) versus 0.5 of desiccant based system

BMS/IBMS/EMS

Design, Installation, commissioning of integrated Building Management System including online facility management complying to 21 CFR Part 11.

- ▶ HVAC atomization
- ▶ Fire Detection & Protection



- ▶ Centralized Access Control
- ▶ CCTV
- ▶ Public Address System
- ▶ Integration of all systems into IBMS
- ▶ Solar System/Windmill integration

ELECTRICALS

Electrical solutions as per project needs. Supply, installation and commissioning of...

- ▶ Diesel Generators
- ▶ Transformers
- ▶ HT Panels
- ▶ LT Panels



- ▶ Synchronizing Panels
- ▶ Cables and cable trays
- ▶ Cleanroom Lighting
- ▶ Industrial Lighting
- ▶ External Lighting
- ▶ Earthing
- ▶ Security System
- ▶ Flame proof fittings
- ▶ Cleanroom Switch/Sockets

UTILITIES

Solution for complete plant utility equipments, tanks, chimneys and piping for...

- ▶ Compressed Air
- ▶ Industrial Steam
- ▶ Pure Steam
- ▶ Purified Water



- ▶ Water for Injection
- ▶ Raw Water
- ▶ Process Cooling Water
- ▶ Nitrogen
- ▶ LPG
- ▶ Oxygen
- ▶ Oil
- ▶ Vacuum
- ▶ Fire Fighting

FLOORING

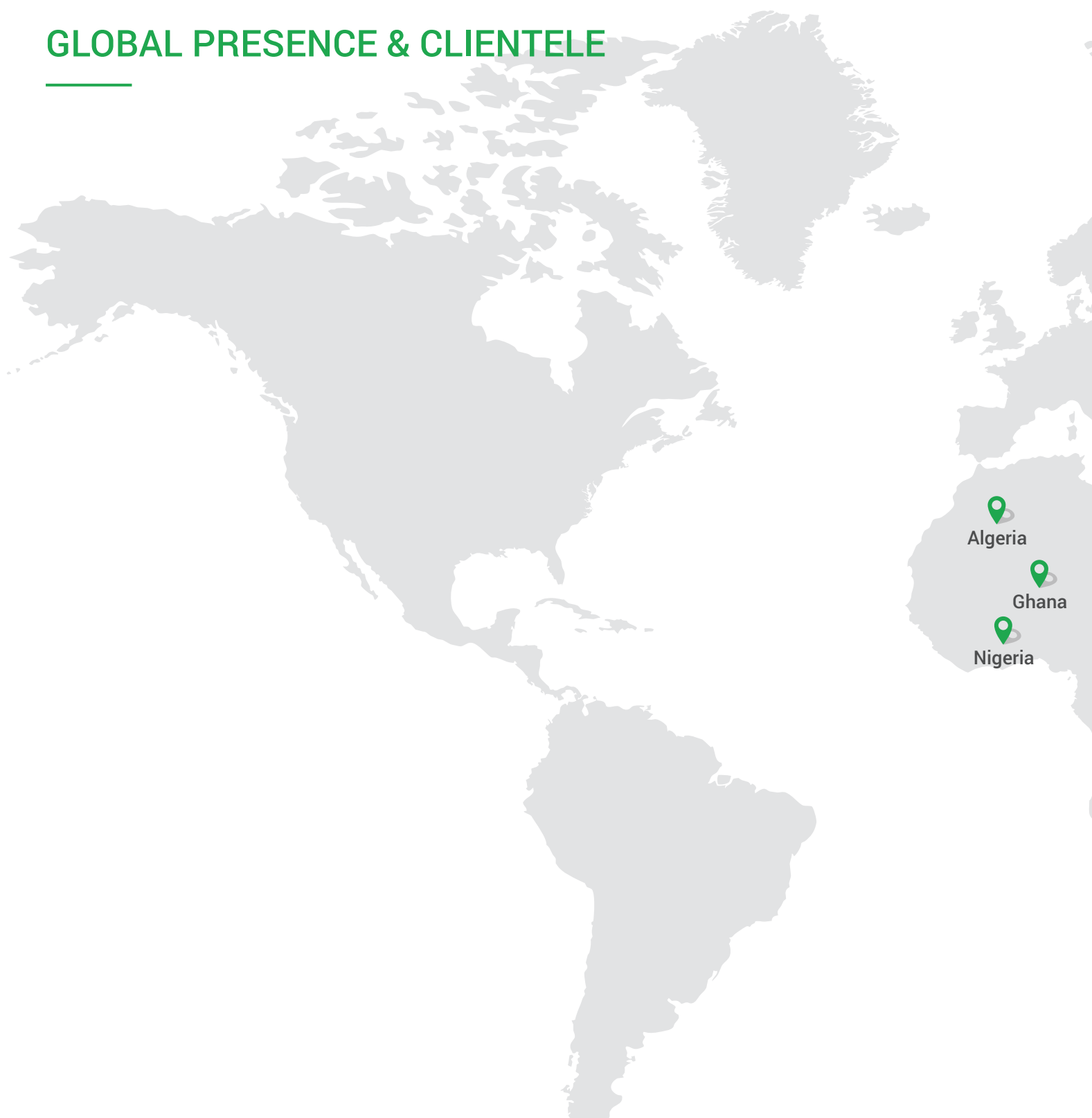
Flooring Solutions for various applications start from cleanrooms to industrial requirements.

- ▶ Anti static Epoxy Flooring
- ▶ Heavy Duty Epoxy
- ▶ Vinyl Flooring



- ▶ Slip Retardant Flooring
- ▶ Carpet Flooring
- ▶ Stone Flooring
- ▶ Vinyl Tiles
- ▶ PU Flooring

GLOBAL PRESENCE & CLIENTELE





MODULAR OFFICES

Complete solution for modular office setup including design supply and installation.

- ▶ Modular office furniture
- ▶ Modular office partitions
- ▶ False Ceiling



- ▶ Electricals
- ▶ LAN Cabling
- ▶ EPBX Setup
- ▶ Public Address System
- ▶ Air Conditioning
- ▶ Access Control

LAB SETUPS

Turnkey lab setups including lab furniture along with modular panels and HVAC

- ▶ Modular Lab Furniture
- ▶ Fume Hoods
- ▶ Vertical/Horizontal LAFs
- ▶ Working Table



- ▶ Storage Cabinet
- ▶ Reagent Racks
- ▶ Spot Gas Extractor
- ▶ Eye Wash
- ▶ Safety Showers
- ▶ Lab Stool/Chairs
- ▶ Table Top/Fume Hood Gas Valves
- ▶ All Electrical Utilities

PEB / MECH. STRUCTURES

PEB and structural steel construction best suits for fast track projects.

- ▶ Pre-engineered Structures
- ▶ External Wall Panels
- ▶ Insulated Steel Roofing
- ▶ Mezzanine Structures



- ▶ Equipment Platforms
- ▶ Checkered Plate Walkways
- ▶ Pipe Racks
- ▶ Steel Grid-Work For Ducting and Ceiling Supports

FACADE GLAZING

Chrisleen provide sustainable Glass/ACP facade solutions with the practical functions of thermal insulation, Acoustic insulation, Fire Protection, Safety and Security etc.



- ▶ Structural Glazing
- ▶ Spider Cladding
- ▶ Windows and Doors
- ▶ Aluminium Composite Panels
- ▶ Wall Cladding

OUR FACTORY

An ISO 9001:2008 Certified State of Art manufacturing facility with the production capacity of 300 SqMtr per day, to ensure timely supply and execution of projects. Spread across area of 25000 sqft







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