

NEUROVERSE GLOBAL

HVAC & Building Services Engineering

Excellence Program

A 5-Day Intensive Executive Training Program

Training Course Code: NV-TR-16-007

Prepared for: [Client Organization]

Website: <https://www.neurovtech.com/>

Contact: info@neurovtech.com

+962 795480109



Executive Summary

HVAC (Heating, Ventilation, and Air Conditioning) and building services engineering are essential to ensuring comfort, energy efficiency, and sustainability in modern buildings. From commercial towers and hospitals to industrial facilities and smart buildings, these systems play a critical role in maintaining indoor environmental quality and operational performance. NeuroVerse Global presents a comprehensive **5-day HVAC & Building Services Engineering Excellence Program**, designed to equip engineers, facility managers, and technical professionals with the knowledge and skills required to design, operate, and optimize HVAC and building service systems.

Program Element	Details
Duration	5 Days (40 Hours)
Target Audience	C-Suite Executives, Senior Leaders, Strategy Professionals
Delivery Options	5★ Hotel Traveling (Global Centers) Training Institute Onsite at Your Location Virtual Live Hybrid
Certification	yes
Class Size	Optimum number of participants for highest interaction and engagement

We provide flexible and premium delivery formats tailored to your strategic priorities:

- **5★ Hotel Experience:** Executive retreat setting combining strategic learning, executive networking, and high-level team in luxury venues (e.g., Amman, Dead Sea, Aqaba).
- **Traveling (Global Centers):** Delivered at world-class international locations such as London, Istanbul, Dubai, Singapore, Georgia, or select European hubs, offering premium facilities and global networking opportunities.
- **Training Institute:** Hosted at leading accredited institutes equipped with advanced learning technologies and innovation-driven environments.
- **Onsite at Your Location:** Conducted at your corporate headquarters for a fully customized, confidential, and organization-focused experience.
- **Virtual Live:** High-definition, interactive online sessions with digital collaboration tools ideal for distributed leadership teams.
- **Hybrid Model:** A strategic blend of in-person engagement and synchronized virtual participation to maximize flexibility and international reach.

Curriculum Structure

The HVAC & Building Services Engineering Excellence Program is structured as a 5-day intensive journey, combining theoretical knowledge with practical applications and real-world case studies.

Day 1: HVAC Fundamentals & System Components

Theme: Understanding HVAC Systems and Functions

Module	Key Activities
Introduction to HVAC Systems	Heating, ventilation, and air conditioning concepts
Psychrometrics & Air Properties	Temperature, humidity, and air quality
HVAC System Components	Chillers, boilers, air handling units (AHUs), fans
Workshop: HVAC Basics	Understanding system layouts and configurations

Day 2: Cooling & Heating Load Calculations

Theme: Designing for Performance and Efficiency

Module	Key Activities
Cooling Load Calculations	Heat gain sources (solar, occupancy, equipment)
Heating Systems	Boilers, heat pumps, and heating distribution systems
Energy Efficiency Considerations	Reducing energy consumption
Practical Exercise	Performing basic load calculations for a building

Day 3: HVAC Design & Air Distribution

Theme: Delivering Comfort and Air Quality

Module	Key Activities
Air Distribution Systems	Duct design and airflow management
Indoor Air Quality (IAQ)	Filtration, ventilation, and contaminant control
HVAC System Design	Centralized vs. decentralized systems
Case Study	Designing HVAC systems for commercial buildings

Day 4: Building Services & Automation

Theme: Smart and Integrated Building Systems

Module	Key Activities
Building Services Overview	Electrical, plumbing, fire protection systems
Building Management Systems (BMS)	Monitoring and controlling building operations
Smart Buildings & IoT	Connected devices and automation
Practical Workshop	Designing a smart building services solution

Day 5: Maintenance, Sustainability & Future Trends

Theme: Efficient, Sustainable, and Future-Ready Systems

Module	Key Activities
HVAC Maintenance Strategies	Preventive and predictive maintenance
Energy Management & Sustainability	Green building standards (LEED concepts)
System Performance Evaluation	KPIs for HVAC efficiency
Capstone Project & Certification	Designing an optimized HVAC system

Delivery Options

NeuroVerse Global offers unparalleled flexibility in program delivery, ensuring that world-class strategic education is accessible regardless of location or logistical constraints. Choose the format that best suits your organizational needs:

Format	Description	Best For
Executive Retreat ***** 5* Hotel	Multi-day experience at luxury venues in hotels 5* combining learning with strategic planning and team activities. Amman, Dead Sea, Aqaba	Board offsites, strategic planning, executive bonding
Premier Training Institute	Delivered at internationally accredited, state-of-the-art institutes equipped with advanced learning technologies, executive facilities, and innovation labs.	Executive education, certified programs, high-impact professional development
Global Centers With Traveling	Conducted at NeuroVerse world-class facilities in London, Istanbul, Egypt, Dubai, Singapore, Georgia, or Europe. Premium amenities and networking.	International exposure, cross-cultural learning, executive networking
Onsite Premium	NeuroVerse facilitator at your corporate headquarters or preferred location. Full materials, and immersive experience.	Leadership teams, confidential strategy sessions, team building
Virtual Live	Synchronous online sessions with interactive tools, breakout rooms, and digital collaboration platforms. HD streaming.	Distributed teams, cost optimization, time-constrained executives
Hybrid Model	Blend of in-person and virtual elements. Regional hubs with synchronized virtual participation for global teams.	Global organizations, flexible participation, maximum reach



NEUROVERSE GLOBAL

World Leaders in Executive Education

<https://www.neurovtech.com/>

info@neurovtech.com

+962 795480109

Make you Training in more than 35 Countries Around the World

© 2026 NeuroVerse Global. All rights reserved.