



ESAC ACADEMY

Building Regulatory Capacity for a Safer,
Smarter, and Sustainable Future



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01-About Us

ESAC Academy is the professional development and capacity-building arm of **ESAC Group**, established to deliver high-impact specialized training aligned with the Group's expertise in hazardous materials, climate action, ESG governance, green building, and digital compliance systems. The Academy is licensed by ACTVET (License No. 1579/2025) and delivers in-person, digital, and blended learning solutions with a strong focus on practical implementation, inspection readiness, and measurable performance improvement.



02-HISTORY

ESAC Academy was established as the professional training arm of **ESAC Group**, an Abu Dhabi-based engineering and environmental consultancy, to transform its technical and regulatory expertise into structured capacity-building programs. Positioned within ESAC Group's Digital, Training & Innovation platform, the Academy delivers applied professional training aligned with real consultancy practice in hazardous materials, environmental protection, climate and carbon management, green building, and digital compliance. ESAC Academy operates under an ACTVET Training License (No. 1579/2025) and structures its programs to support regulatory implementation, inspection readiness, and future-ready professional competence.



Vision

To advance professional competence in environmental, chemical, and digital compliance.



Mission

ESAC Academy's mission is to develop competent, **future-ready professionals** by transforming engineering and regulatory expertise into applied training programs. We deliver structured learning in hazardous materials management, environmental safety, climate and ESG systems, green building, and digital compliance—integrating real field experience, international standards, and artificial intelligence to support regulatory implementation, inspection readiness, and measurable performance improvement across government and industry.



04-TRAINING PORTFOLIO STRUCTURE

ESAC Academy delivers professional training across environmental safety, sustainability, engineering design, project planning, and digital systems, with specialized pathways aligned to international professional frameworks and UAE regulatory requirements.



Delivery Modes

Public Courses | In-House Corporate Training | Government Capacity Building | Blended Learning

Progression Model

Awareness → Foundation → Practitioner → Advanced → Train-the-Trainer



05- TRAINING CLUSTERS



Cluster 1 – Chemicals, Hazardous Materials & Environmental Safety

Chemical safety, HazMat lifecycle control, dangerous goods awareness, hazardous waste, and inspection readiness



Cluster 2 – Occupational Safety, Health & Professional Safety Qualifications

Workplace safety systems, high-risk activities, emergency readiness, and professional safety pathways (aligned where applicable).



Cluster 3 – Climate, Circular Economy & Sustainable Systems

Carbon, MRV readiness, circular economy implementation, resource efficiency, and sustainable supply chain concepts.



Cluster 4 – Engineering Design, Planning & Built Environment

Engineering software and design skills, planning/project controls, and built environment sustainability foundations.

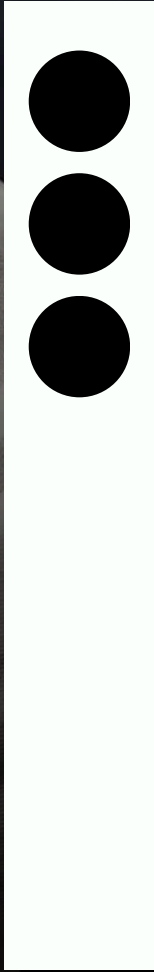


Cluster 5 – Smart Systems, AI, Digital & Professional Enablement

AI literacy and applied AI for compliance, digital inspections, dashboards, data governance, and smart monitoring concepts.



CLUSTER 1 – CHEMICALS, HAZARDOUS MATERIALS & ENVIRONMENTAL SAFETY





Cluster 1 – Chemicals, Hazardous Materials & Environmental Safety

Chemical safety, HazMat lifecycle control, dangerous goods awareness, hazardous waste, and inspection readiness



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Chemical Safety Core

- Chemical Safety & Hazard Communication (HazCom) Essentials
- GHS & SDS Fundamentals for the Workplace
- Chemical PPE Selection & Respiratory Protection (Chemical Hazards)
- Laboratory Chemical Safety & Chemical Hygiene (CHP)



Handling, Storage & Controls

- Safe Chemical Handling, Decanting & Dispensing Practices
- Chemical Storage Compatibility, Segregation & Secondary Containment
- Flammable & Combustible Liquids Safety
- Compressed Gas Cylinder Safety (Storage, Handling & Use)





Cluster 1 – Chemicals, Hazardous Materials & Environmental Safety

Chemical safety, HazMat lifecycle control, dangerous goods awareness, hazardous waste, and inspection readiness



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Spills, Waste & First Actions

- Spill Prevention & Spill Response (Spill Kit Practical)
- Emergency Showers & Eyewash: Use, Inspection & Maintenance
- Hazardous Waste Handling & Temporary Storage Essentials
- Chemical Incident First Actions, Reporting & Evidence Capture



GHS / SDS Professional Track

- GHS Classification Practitioner (Substances & Mixtures)
- SDS Authoring & Regulatory Compliance (Practitioner)
- SDS Verification, Audit & Quality Review Workshop
- Chemical Register & Regulatory Inventory Management (Design & Controls)



Digital / AI Add-Ons (ESAC Signature)

- Smart Chemical Inventory & Compliance Audit Trails (Digital Tools)
- AI-Assisted SDS Review & GHS Consistency Checks (Controlled Workflow)





Cluster 1 – Chemicals, Hazardous Materials & Environmental Safety

Chemical safety, HazMat lifecycle control, dangerous goods awareness, hazardous waste, and inspection readiness



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Dangerous Goods & Transport Interface

- Dangerous Goods Documentation, Marking, Labelling & Placarding Workshop
- ADR Dangerous Goods Awareness (Role-Based)
- IMDG Code Awareness (Role-Based)
- IATA Dangerous Goods Awareness (Role-Based)
- Lithium Batteries: Storage & Shipping Compliance (Operational Controls)



Governance, Audits & Readiness

- COSHH Risk Assessment & Control (Workplace Chemicals)
- Chemical Exposure Risk Control (Industrial Hygiene Basics)
- HazMat Facility Inspection Readiness (Warehouse/Site Audit Simulation)
- Hazardous Waste Characterization, Classification & Manifest Management
- Chemical Incident Investigation & Root Cause Analysis (RCA) + CAPA
- HazMat Emergency Preparedness Planning & Drill Management



CLUSTER 2 – OCCUPATIONAL SAFETY, HEALTH & PROFESSIONAL SAFETY QUALIFICATIONS





Cluster 2 – Occupational Safety, Health & Professional Safety Qualifications

Workplace safety systems, high-risk activities, emergency readiness, and professional safety pathways (aligned where applicable).



Emergency Readiness

- Fire Safety Awareness + Extinguisher Practical
- Fire Warden / Evacuation Marshal
- Emergency Response Team (ERT) Fundamentals
- Incident Command Basics & Drill Management
- First Aid / CPR / AED (Basic & Workplace)
- Emergency Preparedness Planning (ERP) & Tabletop Exercises



Incident Management & Performance Improvement

- Incident Reporting & Investigation (RCA Fundamentals)
- Root Cause Analysis (5-Why, Fishbone, TapRootT-style concepts)
- Corrective Actions (CAPA) & Close-Out Verification
- Behaviour-Based Safety (BBS) Foundations
- Safety Leadership for Supervisors & Managers





Cluster 2 – Occupational Safety, Health & Professional Safety Qualifications

Workplace safety systems, high-risk activities, emergency readiness, and professional safety pathways (aligned where applicable).



Occupational Health

- Heat Stress Management (UAE workplace readiness)
- Manual Handling & Ergonomics
- Occupational Hygiene Basics (noise, dust, chemicals interface awareness)
- Fatigue Management & Fitness-for-Work (policy awareness)



Safety Management Systems (Professional Practice)

- ISO 45001 Occupational Health & Safety Management Systems (OHSMS) – Fundamentals
- ISO 45001 Implementation (Practitioner)
- ISO 45001 Internal Auditor (ISO 19011 auditing principles)

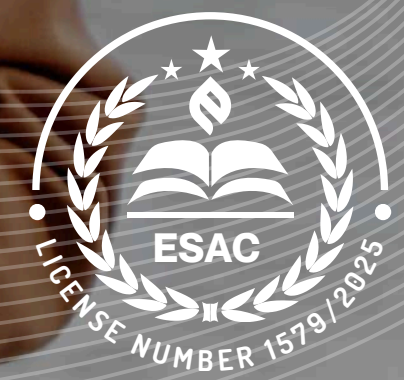


Professional Safety Qualifications (Aligned Pathways)

- NEBOSH IGC Preparation Program (Aligned Pathway)*
- IOSH Managing Safely (Aligned Pathway)*
- IOSH Working Safely (Aligned Pathway)*



CLUSTER 3 – CLIMATE, CIRCULAR ECONOMY & SUSTAINABLE SYSTEMS





Cluster 3 – Climate, Circular Economy & Sustainable Systems

Carbon, MRV readiness, circular economy implementation, resource efficiency, and sustainable supply chain concepts.



Climate Foundations & Strategy

- Climate Change & Net-Zero Fundamentals for Organizations
- Sustainability Strategy & Roadmapping (Policy to Implementation)
- Transition Plan Development (Governance, Targets & Delivery Model)
- Environmental Management Systems (ISO 14001) Foundations
- Science-Based Targets (SBTi) Foundations & Target-Setting Concepts



Climate Risk, Resilience & Adaptation

- Climate Risk & Vulnerability Assessment (Practitioner)
- Physical Climate Risk for Assets & Infrastructure (Heat, Flood, Sea-Level)
- Climate Scenario Analysis & Stress Testing (TCFD/ISSB Concepts)
- Adaptation Planning & Resilience Measures (Program Design Workshop)
- Resilience KPIs, Monitoring & Reporting (Operational Readiness)





Cluster 3 – Climate, Circular Economy & Sustainable Systems

Carbon, MRV readiness, circular economy implementation, resource efficiency, and sustainable supply chain concepts.



Carbon Management & MRV Readiness

- Corporate Carbon Footprinting (Scopes 1–2–3) – GHG Protocol Foundations
- GHG Inventory Practitioner (ISO 14064-1 / GHG Protocol Application)
- MRV System Design & Data Governance (QA/QC, Audit Trails, Controls)
- Scope 3 Accounting Deep Dive (Categories, Data Strategy, Supplier Data)
- Verification & Assurance Readiness for GHG Reporting



Advanced Carbon & MRV Practice

- Carbon Markets Fundamentals (Compliance vs Voluntary Markets)
- Carbon Offsets & Credit Integrity Due Diligence (Quality & Claims)
- Article 6 & International Carbon Trading (Foundations)
- Internal Carbon Pricing & MACC (Marginal Abatement Cost Curve) Concepts
- Climate Finance Fundamentals (Green Bonds, SLBs, Transition Finance Concepts)





Cluster 3 – Climate, Circular Economy & Sustainable Systems

Carbon, MRV readiness, circular economy implementation, resource efficiency, and sustainable supply chain concepts.



ESG Governance & Reporting Readiness

- ESG Fundamentals & Governance Operating Model
- Double Materiality & ESG Risk/Opportunity Assessment (Workshop)
- ESG KPIs, Data Governance & Controls (Assurance-Ready Systems)
- Sustainability Reporting Bootcamp (GRI / ISSB IFRS S1–S2 / TCFD Concepts)
- ESG Assurance & Verification Readiness (Evidence Files & Internal Controls)



Circular Economy & Resource Efficiency

- Circular Economy Foundations (Principles & Business Models)
- Circularity Assessment & Material Flow Mapping (MFA) – Practitioner
- Resource Efficiency & Waste Minimization (Lean + Circular Practices)
- Waste Diversion & Valorization Program Design (Operational Implementation)
- Extended Producer Responsibility (EPR) & Lifecycle Responsibility (Foundations)





Cluster 3 – Climate, Circular Economy & Sustainable Systems

Carbon, MRV readiness, circular economy implementation, resource efficiency, and sustainable supply chain concepts.



Sustainable Supply Chain & Green Procurement

- Sustainable Supply Chain Management (ESG Integration) – Foundations
- Responsible Procurement & Supplier ESG Due Diligence (Toolkit Workshop)
- Scope 3 Supply Chain Engagement & Data Collection (Supplier Programs)
- Traceability Systems & Audit-Ready Supply Chain Controls
- Sustainable Procurement Specifications & Contract Clauses (Practical)

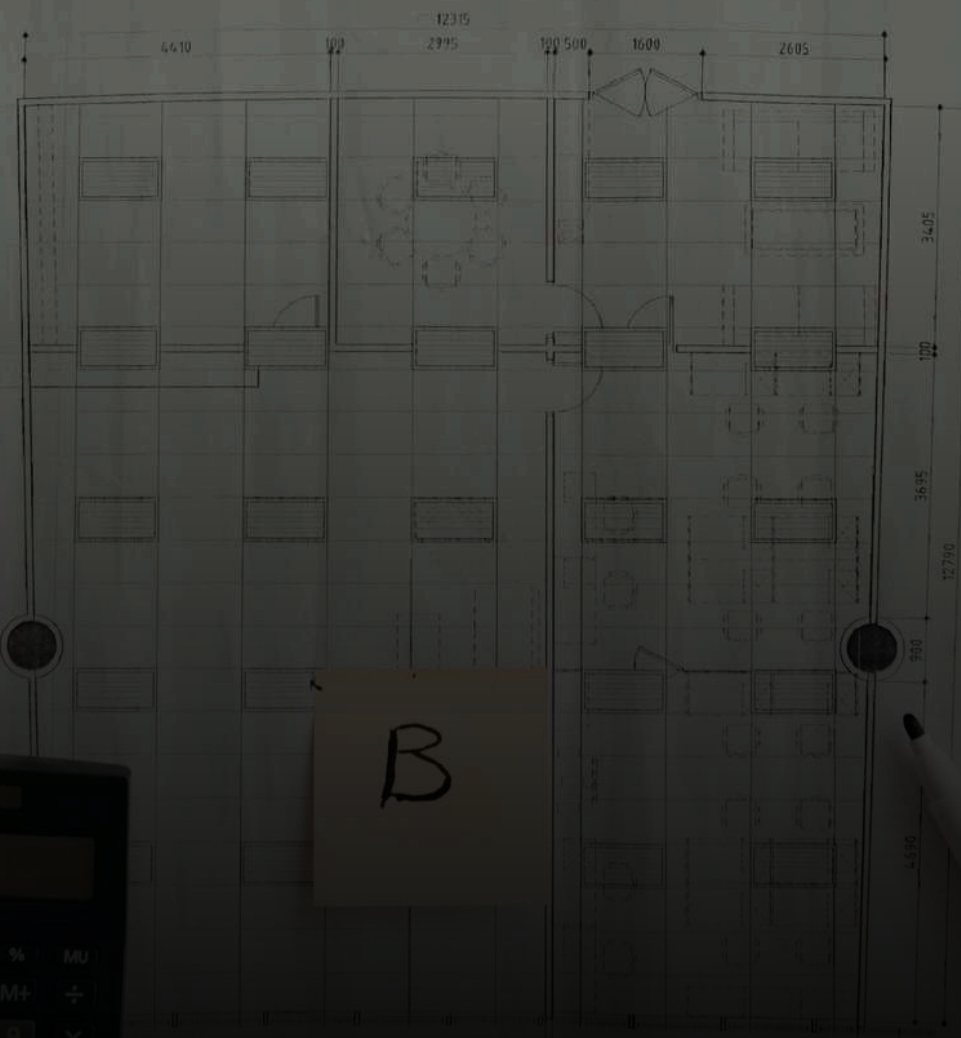


Product Sustainability, LCA & Low-Carbon Materials

- Product Carbon Footprint (PCF) Practitioner (ISO 14067 Concepts)
- Life Cycle Assessment (LCA) Foundations / Practitioner (ISO 14040/44 Concepts)
- Environmental Product Declarations (EPDs) & PCR Concepts (ISO 14025)
- Embodied Carbon in Materials & Construction (Foundations to Practitioner)
- Low-Carbon Materials Selection & Sustainable Procurement (EPD/LCA-Based)



CLUSTER 4 – ENGINEERING DESIGN, PLANNING & BUILT ENVIRONMENT





Cluster 4 – Engineering Design, Planning & Built Environment

Engineering software and design skills, planning/project controls, and built environment sustainability foundations.



CAD Drafting and Technical Documentation

- utoCAD Essentials: 2D Drafting & Documentation
- AutoCAD Advanced: Productivity Tools, Standards & Automation
- CAD Standards, Layer Management & Drawing QA/QC
- Engineering Drawing Reading & Interpretation (Civil/MEP/Architectural)
- Construction Documentation & Detail Coordination (Best Practice Workshop)



BIM Foundations and Authoring

- BIM Fundamentals (Delivery Workflow & Coordination Concepts)
- Revit Architecture Essentials
- Revit Structure Essentials
- Revit MEP Fundamentals
- Revit Families, Templates & BIM Standards (Advanced)





Cluster 4 – Engineering Design, Planning & Built Environment

Engineering software and design skills, planning/project controls, and built environment sustainability foundations.



BIM Coordination and Digital Delivery

- Navisworks Manage: Clash Detection & Coordination
- BIM Coordination & Clash Resolution (Practitioner Workshop)
- BIM Execution Planning (BEP) Workshop
- 4D BIM Fundamentals (Linking Models to Schedules – Concepts)
- BIM QA/QC & Model Validation (Model Checking Concepts)



3D Modeling and Visualization

- 3ds Max Essentials for AEC Visualization
- Architectural Visualization Workflow (Materials, Lighting & Rendering)
- 3D Animation for Project Presentations (Concepts & Practice)
- Real-Time Rendering for AEC (Twinmotion/Enscape Concepts)
- Visual Communication for Design Presentations (Portfolio-Style Output)





Cluster 4 – Engineering Design, Planning & Built Environment

Engineering software and design skills, planning/project controls, and built environment sustainability foundations.



Project Management Pathways

- Project Management Fundamentals (PMBOK-Based Concepts)
- PMP Exam Preparation (Aligned Pathway)
- CAPM Exam Preparation (Aligned Pathway)
- Project Scope, Change & Stakeholder Management (Workshop)
- Agile Foundations for Project Teams (Scrum/Hybrid Concepts)



Planning, Scheduling and Project Controls

- Primavera P6 Fundamentals (Planning & Scheduling)
- MS Project Scheduling Fundamentals
- Schedule Control & Progress Reporting (Baselines, Updates, Look-Ahead)
- Earned Value Management (EVM) Essentials
- Cost Control & Forecasting Fundamentals (Project Controls Basics)





Cluster 4 – Engineering Design, Planning & Built Environment

Engineering software and design skills, planning/project controls, and built environment sustainability foundations.



Built Environment Sustainability and Building Performance

- Green Building Foundations (LEED / WELL / BREEAM Concepts)
- Building Energy Performance & Energy Audit Fundamentals
- Commissioning & Retro-Commissioning Fundamentals (Cx/RCx Concepts)
- Indoor Environmental Quality (IEQ) Fundamentals
- Embodied Carbon & Low-Carbon Materials (LCA/EPD Concepts)



CLUSTER 5 – SMART SYSTEMS, AI, DIGITAL & PROFESSIONAL ENABLEMENT





Cluster 5 – Smart Systems, AI, Digital & Professional Enablement

AI literacy and applied AI for compliance, digital inspections, dashboards, data governance, and smart monitoring concepts.



AI Foundations for Professionals

- AI Literacy & Generative AI Fundamentals for Professionals
- Prompt Engineering for Professionals (Policies, Reports, Procedures)
- Responsible AI & Ethics in Regulated Environments
- AI Governance Fundamentals (ISO/IEC 42001 Concepts)
- AI Risk Management & Validation Basics (Bias, Quality, Hallucination Control)



Applied AI for Compliance, EHS & ESG

- AI for Compliance Automation (Workflows, Controls & Audit Trails)
- AI for ESG/MRV Data Quality & Anomaly Detection (Practitioner)
- AI for Incident Trend Analytics & Predictive Safety Indicators
- AI-Assisted Document Control (SOPs, Evidence Files, Versioning Concepts)
- AI for Chemical Safety Workflows (SDS Checking, Inventory Risk Flags)





Cluster 5 – Smart Systems, AI, Digital & Professional Enablement

AI literacy and applied AI for compliance, digital inspections, dashboards, data governance, and smart monitoring concepts.



Data Analytics & BI for Decision Support

- Advanced Excel for Compliance & Sustainability Data Management
- Power BI Fundamentals for Compliance Dashboards (Practical)
- KPI Design & Data Storytelling for EHS/ESG Performance
- Data Quality Management & Audit-Ready Reporting (Controls & QA/QC)
- SQL Fundamentals for Analysts (Optional / Practitioner)



Digital Compliance Systems & Inspection Automation (RegTech)

- Digital Field Inspections & Mobile Audits (Design & Implementation)
- Corrective Action (CAPA) Digital Workflow & Close-Out Verification
- Digital Permit-to-Work (PTW) Workflow Design (Controls & Gatekeeping)
- Smart Inventory & Substance Tracking (Chemicals/Assets) – Controls & Governance
- Digital Compliance Scorecards & Management Review Dashboards





Cluster 5 – Smart Systems, AI, Digital & Professional Enablement

AI literacy and applied AI for compliance, digital inspections, dashboards, data governance, and smart monitoring concepts.



IoT Monitoring & Environmental Intelligence

- IoT Fundamentals for Environmental & Safety Monitoring (Non-Technical)
- Sensor Data Interpretation: Air/Water/Emissions Dashboards (Practical)
- Alarm Management & Threshold Setting (Operational Readiness)
- Environmental Monitoring Program Design (KPIs, Data Plans, Reporting)
- GIS Fundamentals for Compliance Mapping (Optional / Practitioner)



Digital Twins, Simulation & Early Warning Systems

- Digital Twin Fundamentals for Buildings/Infrastructure/Operations
- Scenario Modeling & Predictive Risk Concepts (Applied Workshop)
- Early Warning Systems for Environmental & Hazard Risk (EWS Concepts)
- Building Performance Optimization Concepts (Energy/IEQ Digital Twin)
- Integration Overview: IoT + Analytics + Digital Twin + Decision Support





Cluster 5 – Smart Systems, AI, Digital & Professional Enablement

AI literacy and applied AI for compliance, digital inspections, dashboards, data governance, and smart monitoring concepts.



Cybersecurity, Data Governance & Platform Integrity

- Cybersecurity Fundamentals for Digital Compliance Platforms
- ISO/IEC 27001 Foundations (Information Security Concepts)
- Data Governance & Access Control (Roles, Permissions, Audit Trails)
- Privacy & Data Protection Awareness for Digital Systems
- Digital Incident Response Basics (Containment, Recovery, Lessons Learned)



Professional Enablement (Digital & AI Programs)

- Requirements Gathering & Process Mapping (BPMN/Workflow Concepts)
- Change Management for Digital Transformation (Adoption & Governance)
- Technical Report Writing for Data, AI & Compliance Programs
- Stakeholder Communication for Digital Compliance Initiatives
- Agile Foundations for Digital Projects (Scrum/Hybrid Concepts)



06- Our Approvals & Licensing



ACTVET
The World Centre for Technical and Vocational Education and Training
المركز العالمي للتعليم التقني والتدريب المهني

Training License

License Number: 1579/2025

Trade Name: ESAC GROUP ENVIRONMENTAL SOLUTIONS AND CONSULTANCY SERVICES L.L.C

Issue Date: 25-Jun-2025

Expiry Date: 15-Mar-2026

Owner(s):

Nationality	الجنسية	Name	الاسم
Syria	سوريا	BASSAM MOHAMED BADRAN BADRAN	بسام محمد بدران بدران
Jordan	الأردن	HAMSAH TALAT SUDQI KHALIL	همسة طلعت صدقي خليل

Training Discipline:

- Environment Protection
- Management and Business Services
- Oil and Gas
- Radiation Protection
- Safety and Security

Academic Director: HAMSAH TALAT SUDQI KHALIL

Address: الدائرة شرق 2, 0 - مبنى. مسلم هارون مسلم سعيد

Tel: +97128550858

P.O Box:

رخصة تدريب

رقم الرخصة: 1579/2025

الاسم التجاري: مجموعة إسك للتحول البيئي و الخدمات الهندسية ذ.م.م

تاريخ الاصدار: 25-Jun-2025

تاريخ الانتهاء: 15-Mar-2026

صاحب / أصحاب الرخصة:

الأنشطة التدريبية:

- حماية البيئة
- خدمات الأعمال و التظيم الإدارية
- النفط والغاز
- الوقاية الإشعاعية
- الأمن والسلامة

المدير الأكاديمي: همسة طلعت صدقي خليل

العنوان: الدائرة شرق 2, 0 - مبنى. مسلم هارون مسلم سعيد

الهاتف: +97128550858

ص. ب.:

- Approved document issued without signature or stamp by Abu Dhabi Centre for Technical and Vocational Education and Training

- This License becomes invalid in case of an alteration


- Application for renewal must be submitted before one month from the expiry date



CN-4903216

2025.3

<http://www.actvet.ac.ae>



IN-COUNTRY VALUE CERTIFICATE

Certificate No.: 144958
Issue Date: 25.08.2025
Valid Until: 08.10.2026

ESAC GROUP ENVIRONMENTAL SOLUTIONS AND CONSULTANCY SERVICES L.L.C

58.02%


Company General Information

License No.: CN-4903216
Company Type: SME in UAE
Financial Year End Date: 31.12.2024
Company Based In: Within UAE
Company Business: SERVICE PROVIDER

For Cases of Re-Certification

Re-Certification (*) No.:

Reason for this Re-Certification:



Scan the QR code to verify status

Signed By
On behalf of Supplier

Name:
Zayed Al Balooshi

Designation:
Chairman

Verified as per ICV Agreed Upon Procedures (AUP)
On behalf of Certification Body

Name:
Jaffer Rupawala

Designation:
Partner

Company:
Mazars Chartered Accountants - LLC

Certificate Issued Based on ICV Version: 3.0

Electronically signed by **Jaffer Rupawala**



Highfield International

A global leader for qualifications, assessment, digital solutions, innovative products, e-learning and customer service.

ESAC Academy

Highfield Qualifications International Approved Centre

Proud to deliver internationally recognised qualifications from Highfield

Centre Number: 41727

Date of Approval: 12th November 2025

This certificate is valid for 1 year from the date of approval.

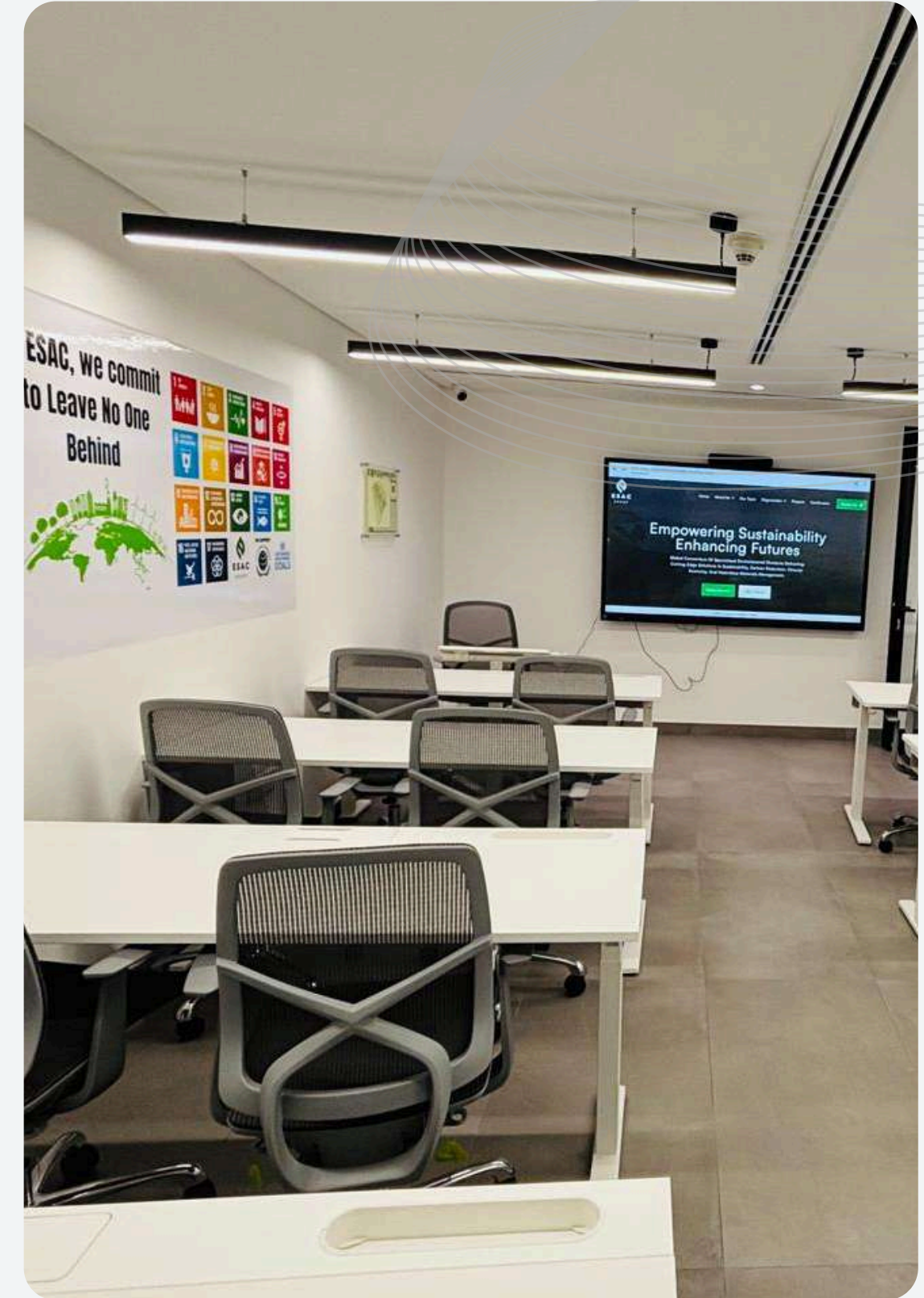


Richard Sprenger
Chairman, Highfield Qualifications

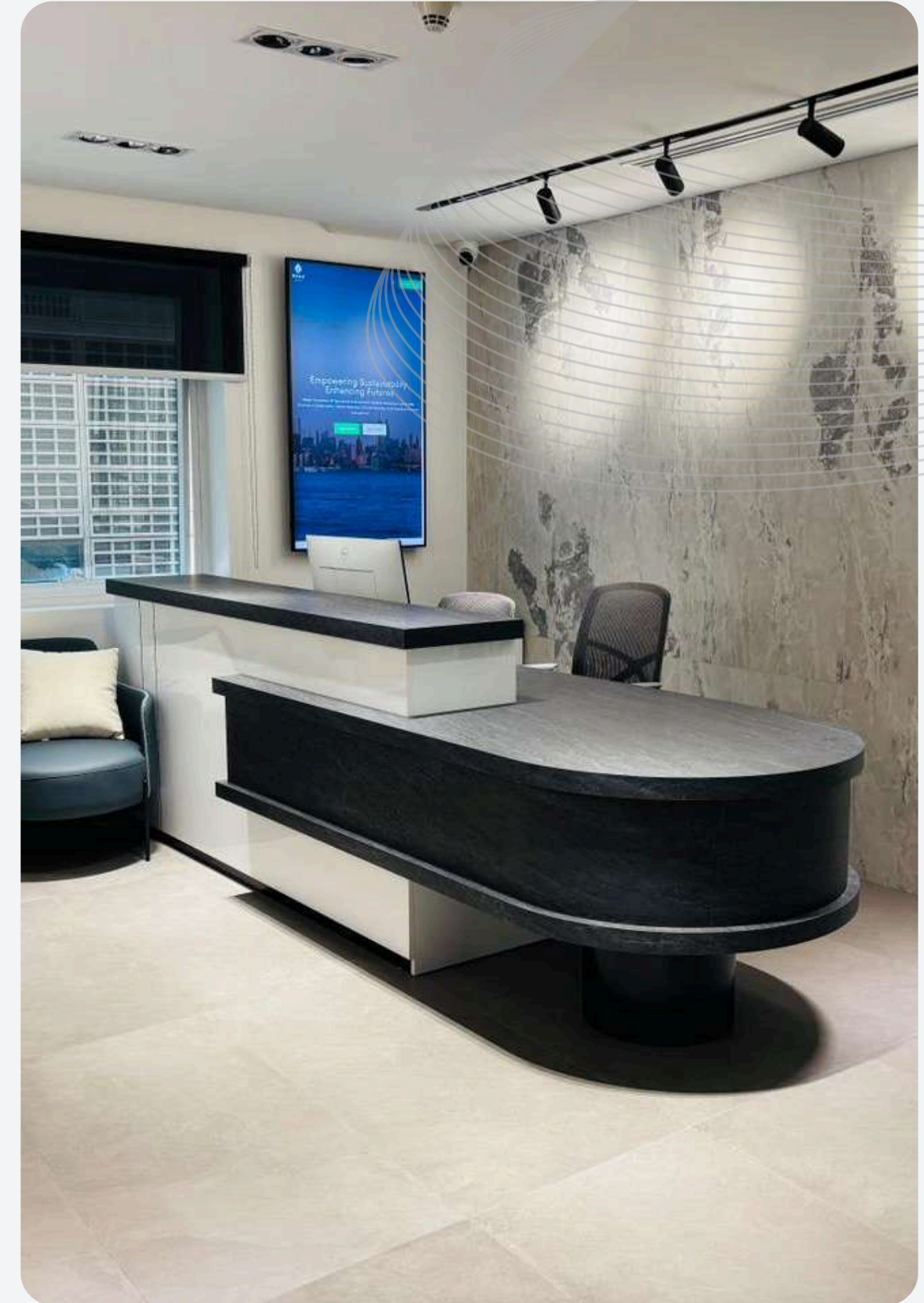
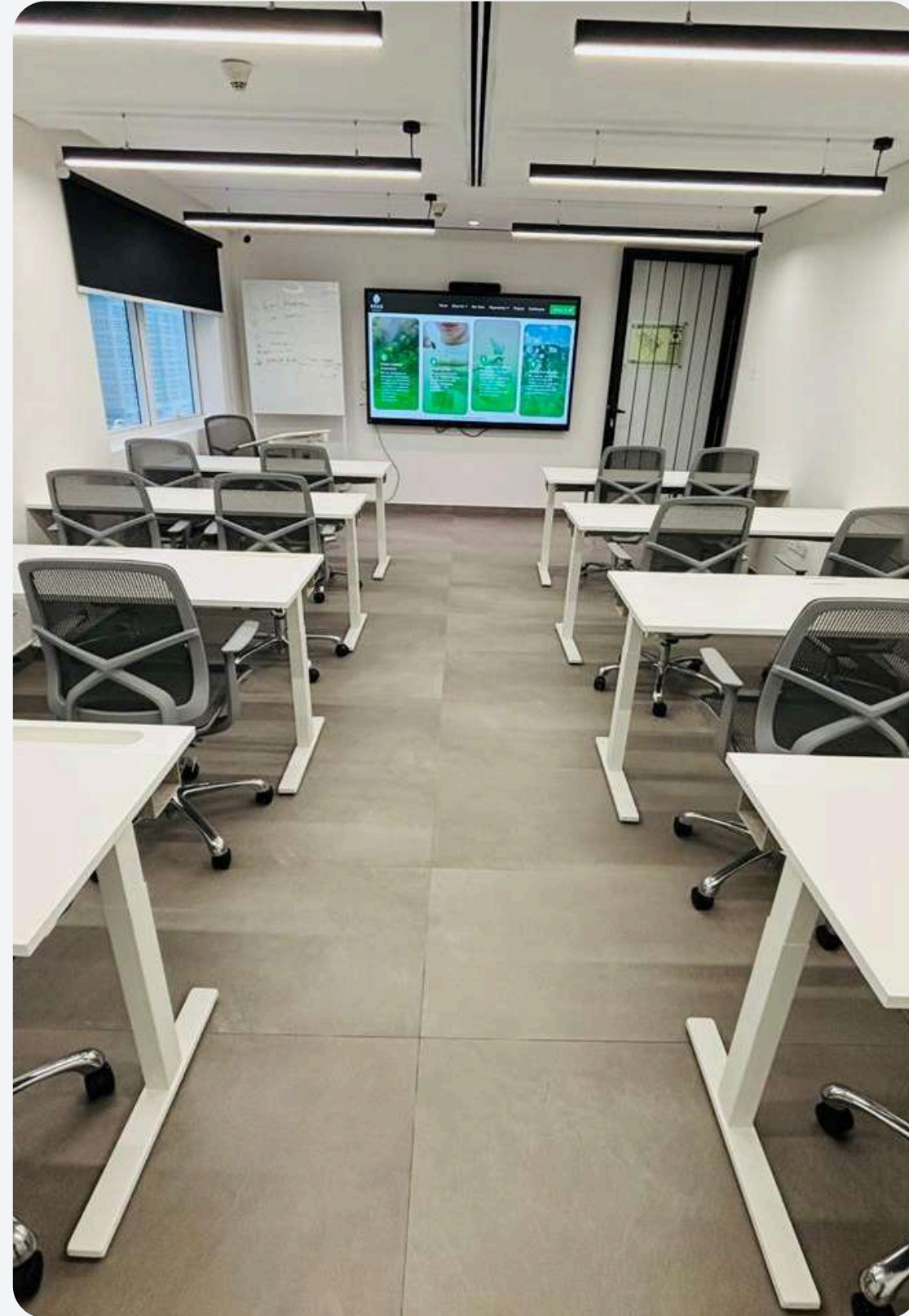
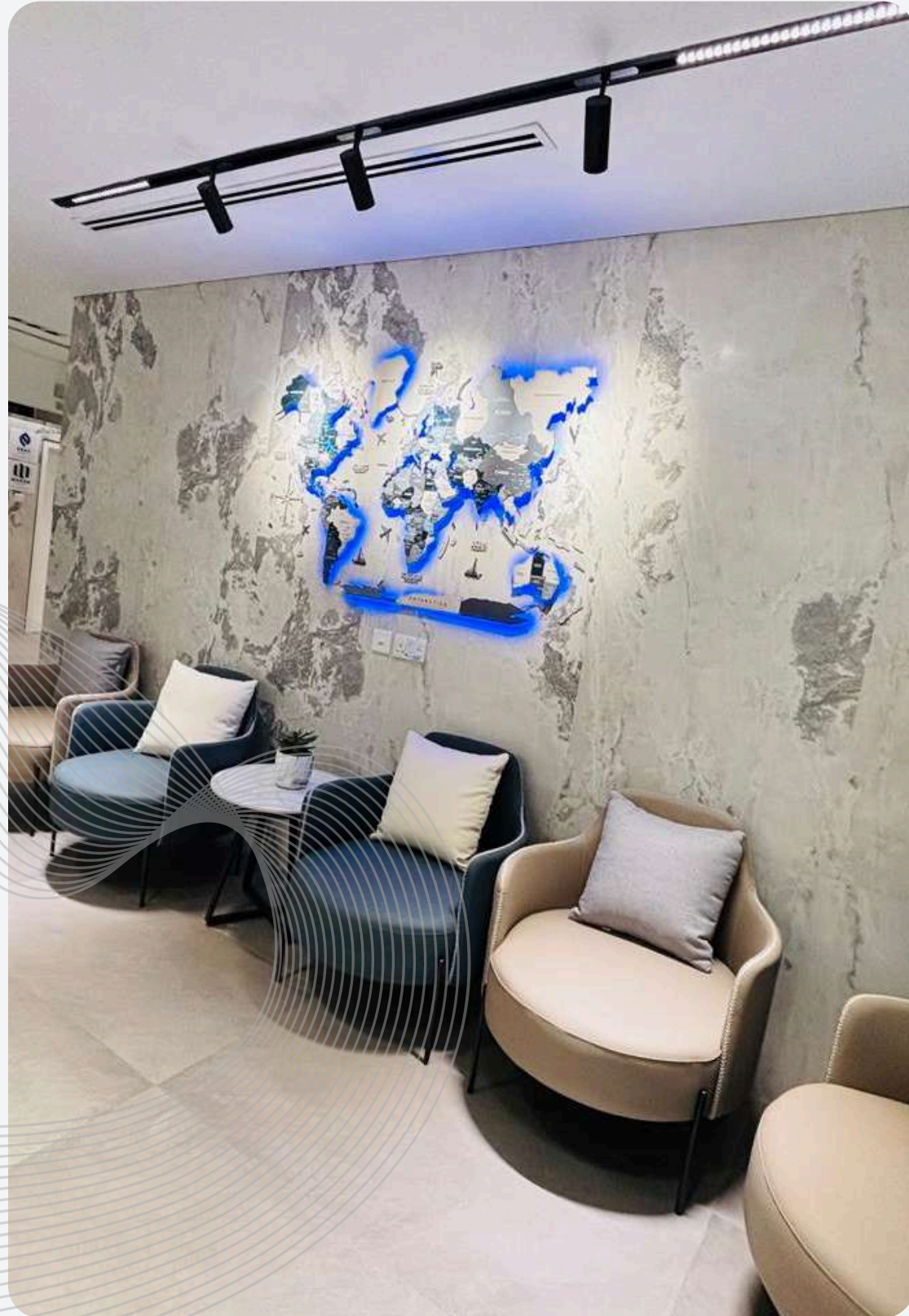


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07-Our facility



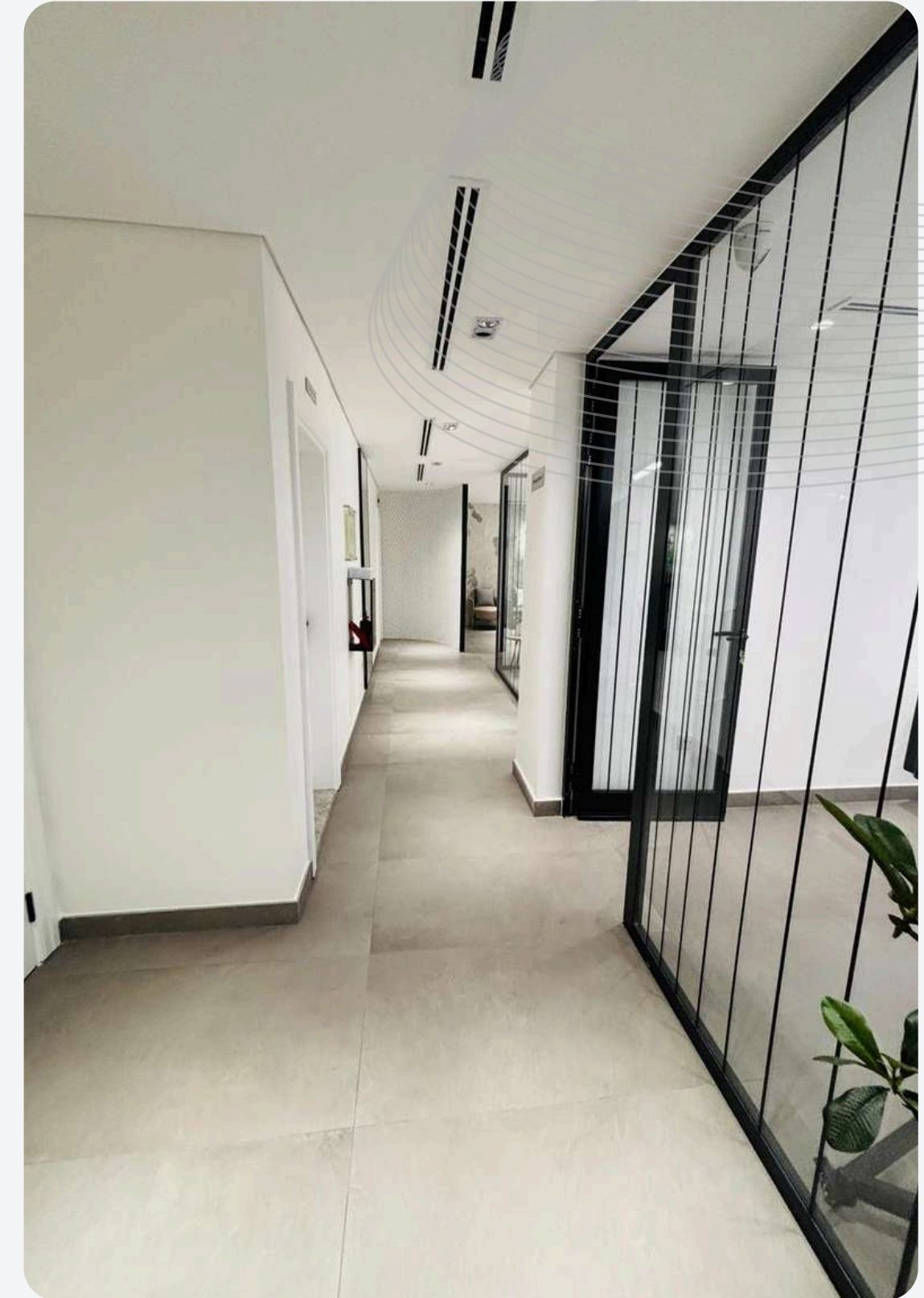
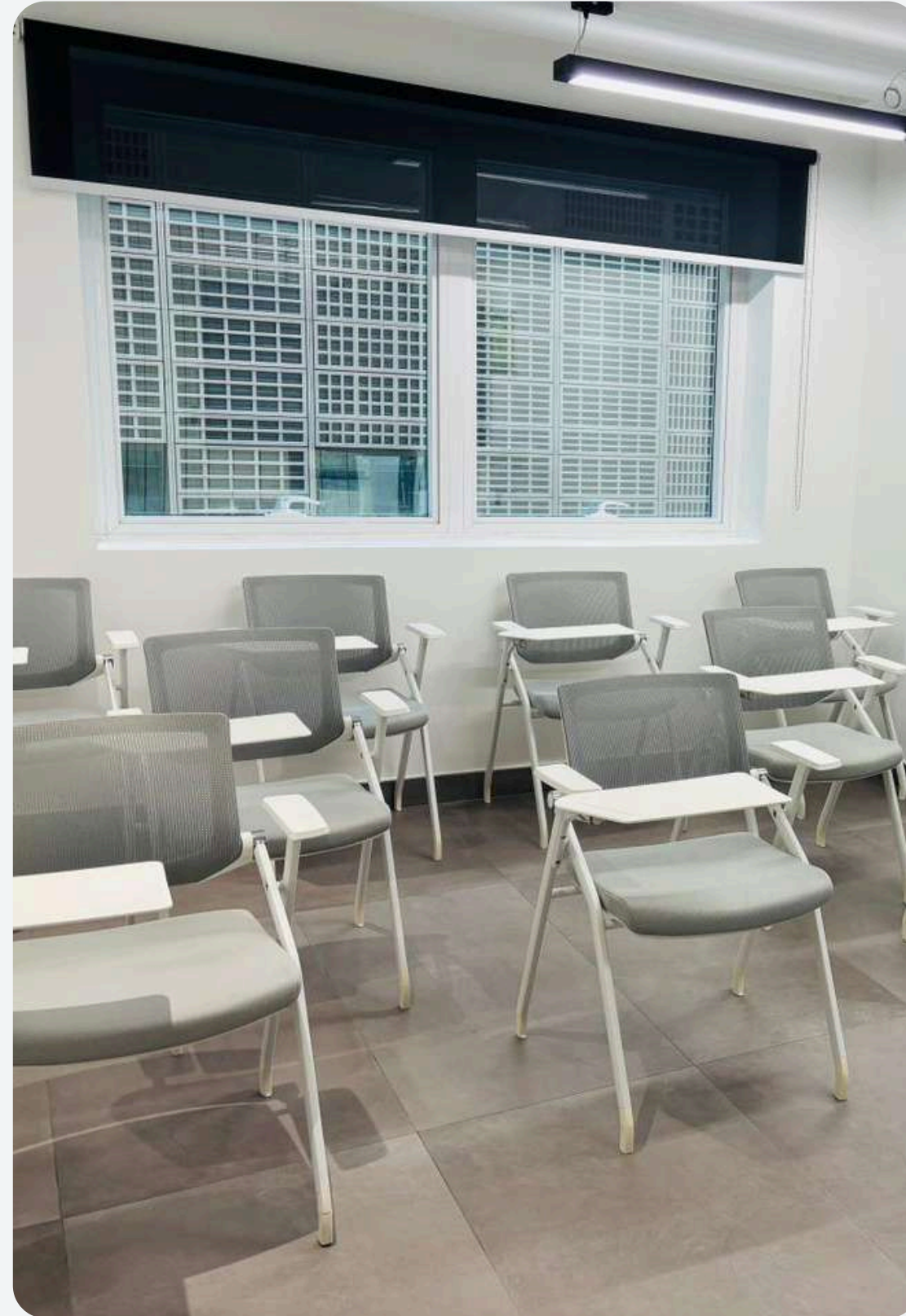
07-Our facility



07-Our facility



07-Our facility




OUR KEY TEAM



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THANK YOU



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