



PETROVERT S.A.L

ENGINEERING BUILT TO DELIVER

Multidisciplinary design for complex aviation and
infrastructure projects



Profile

Company at a glance

35+

Regional Projects

5

Core Market Sectors

UAE · KSA

Primary Markets

REPRESENTATIVE SECTORS



Airports & Airbases



Roads & Infrastructure



Ports & Logistics



Hotels & Developments



Buildings

Why Petrovert

The strengths behind our delivery



Aviation Know-How

Airport and airfield expertise spanning planning, design, review and specialist systems.



Multidisciplinary Coordination

Transportation, buildings, wet utilities and dry utilities developed as one coordinated solution.



Buildable Detail

Design capability extending through IFC, shop drawings, Civil 3D and BIM / LOD 400 delivery.



Regional Experience

Project experience across UAE, Saudi Arabia, Libya, Lebanon and international markets.

Capabilities

An integrated path from planning to delivery

01



PLAN

- Site & capacity studies
- Master planning



02



DESIGN

- Concept
- Detailed design
- Multidisciplinary coordination



03



REVIEW

- Design review
- Compliance checks
- Value engineering



04



DELIVER

- Tender documentation
- IFC design
- Shop drawings
- BIM / LOD 400

Multidisciplinary Capabilities



TRANSPORTATION

- Roads & highways
- Airports & heliports
- Traffic and safety studies
- Ports & heavy-duty pavements



BUILDINGS

- Architecture & structures
- MEP and life safety
- ICT, security and BMS
- Multidisciplinary coordination



WET UTILITIES

- Water and firewater
- Sewerage and irrigation
- Stormwater & flood management
- Hydraulic analysis



DRY UTILITIES

- MV/LV power distribution
- Lighting and AGL
- Telecom and fibre networks
- Utility corridors

Transportation

Integrated transport planning and engineering



Roads & Highways

Planning, geometry, grading, pavements, road markings and signage



Road Safety & Traffic

Safety studies, audits, assessments and traffic-impact studies



Intersections & Interchanges

Planning and geometric design for efficient, safe movement



Airports & Airfields

Runways, taxiways, aprons, AGL, visual aids and airfield markings



Aeronautical & Heliport Studies

OLS, safeguarding, airspace, obstacles and operational requirements



Ports & Logistics

Logistics areas and heavy-duty pavement planning and design

Buildings

Coordinated design across building disciplines



Architecture & Coordination

Architectural design and multidisciplinary building coordination



Structural Engineering

Structural analysis and design for buildings and facilities



Mechanical, Electrical & Plumbing

Mechanical, electrical, water-supply, drainage and plumbing systems



Power & Lighting

Lighting, small power, emergency power and associated distribution



HVAC, Fire & Life Safety

HVAC, ventilation, smoke control, fire detection and firefighting



Smart & Low-Current Systems

ICT, CCTV, access control, PA, BMS, earthing and lightning protection

Wet Utilities

Resilient water, drainage and hydraulic systems



Potable Water

Water-supply and distribution networks



Firewater

Firewater storage, distribution and firefighting networks



Irrigation

Irrigation systems and coordinated water demand



Foul Sewerage

Collection networks and connections to treatment infrastructure



Stormwater & Flood Management

Drainage networks and resilient flood-management systems



Hydraulic Infrastructure

Pumping stations, tanks, hydraulic modelling and utility coordination

Dry Utilities

Reliable power, lighting and digital infrastructure



Power Distribution

Medium- and low-voltage power-distribution networks



Substations & Feeders

Substations, transformers and coordinated feeder systems



Lighting Infrastructure

Street, landscape, façade, perimeter and airfield lighting



Telecommunications

Telecommunications and fibre-optic networks



ICT & Security

ICT, CCTV and integrated security infrastructure



Utility Coordination

Earthing, lightning protection, duct banks, corridors and power studies



AVIATION
AIRPORTS

Whole-airport expertise. Built for operational reality.

From airside geometry and pavements to terminals,
utilities, specialist systems and safeguarding.

PLANNING

AIRSIDE

TERMINALS

SYSTEMS



Airport Capabilities

End-to-end expertise across the airport lifecycle



01

Airport Master Planning

- Aviation Demand Forecasting
- Feasibility Studies
- Environmental Studies
- Runway Length & Orientation
- Airport Support Facilities Planning
- Obstacle Analysis
- Land-Use and Development Planning



02

Airside Engineering

- Aircraft Manoeuvring Simulation
- Aircraft Stand Planning and Design
- Runway, Taxiway, Taxilane and GSE Road Design
- Airfield Pavement Design & Rehabilitation
- Security and Perimeter Fencing
- Airport Lighting & Navigation Systems



03

Terminal Buildings

- Terminal Concept Development
- Terminal Facility Requirements
- Functional Planning
- Capacity Evaluation
- Curbside Planning
- Car-Park and Access-Road Planning
- Terminal Specialist Systems



04

Airport Buildings & Systems

- Air Traffic Control Towers
- RFFS Facilities
- Aircraft Hangars
- Aviation Training Facilities
- Airport Administration Buildings
- GSE & Staging
- Other Support Facilities

Selected Projects

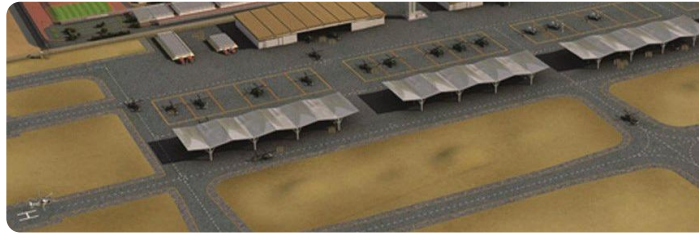
A Track Record of Delivery Across the Region



Fujairah International Airport

Fujairah, UAE — Client: FIA

Airfield shop drawings covering infrastructure, pavement, grading and marking for the new apron and Cargo Village.



King Salman Air Base (KSAB)

Riyadh, Saudi Arabia — Royal Saudi Air Force

Shop drawings and Civil 3D LOD 400 design review across airside, patrol road and landside civil packages.



Etihad Rail

United Arab Emirates — Civil Consulting Engineering Group

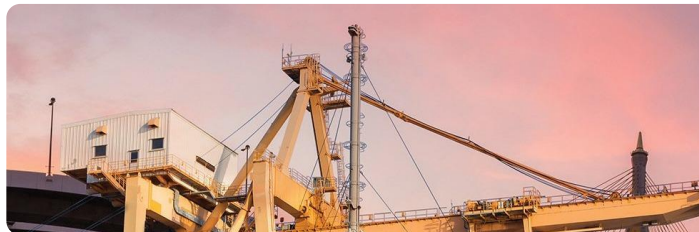
Alignment adjustments, terminal-area surfacing and road-edge levelling for the UAE's national rail network.



Red Sea Airport & Coastal Village

Red Sea, Saudi Arabia — The Red Sea Development Company

CIVIL 3D LOD 400 design and shop drawings for the airport, roads, stormwater and coastal village infrastructure.



UNICARGAS Terminal Port

Luanda, Angola — Abu Dhabi Ports Group

Validation of the transportation preliminary design, progressing to IFC tender package, for the new port terminal.



Zayed City Schools & NEOM Factory

UAE / KSA — Dept. of Education & Knowledge / El Seif

Detailed grading design for schools roads and parking, plus drainage, pavement and signage for a NEOM precast factory.



PETROVERT S.A.L.

Let's turn your next challenge into a buildable solution.

Layal El Khatib

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