



SERVING THE AVIATION INDUSTRY
IN THE MIDDLE-EAST



INTRODUCTION

Providing customers throughout the Middle-East region with products and services for aircraft ground support at civilian airports and military facilities.

Avicorp Middle East capabilities include design, supply and installation services for aircraft distributed 400Hz power, aircraft cooling, utility power, DC power, potable water and lavatory, fuel, start air, fuel venting, tool air, and hydraulic to single or multiple aircraft parking positions at terminals, hangars and remote locations.





PROVIDING SERVICES FOR:

- Design for layout of aircraft parking position services distribution.
- Analysis and system design of PC Air and 400Hz.
- Full range of system types for aircraft services. Avicorp Middle East offers what best applies for the situation: above or below ground delivery, point of use or central services, stand alone or integrated services, bridge mounted or installed in the facilities.
- Custom design and manufacture of specialized military aircraft cooling units.
- Purchase or lease programs available for GSE equipment.
- From the design phase of facility planning through to installation, start up, testing and operation Avicorp Middle East provides a complete package of facility services custom tailored to each clients needs with an emphasis on providing efficient, quality support of the aircraft using the facilities.

MATERIAL SCOPE OF SUPPLY

Material scope of supply includes the following:

- Passenger Boarding Bridges
- Frequency Converters for 400Hz & 28VDC Systems
- Aircraft Pre Conditioned Air Systems
- Underground Service Pits for Fuel / Potable Water
400Hz / PC Air / Aircraft Sewage Removal / Air Start
- Mobile Ground Service Equipment
- Military Specified Cable Assemblies
- 400Hz Power Supplies for Radar Applications
- Aircraft Docking Guidance Systems
- GSE Equipment Leasing



Avicorp Middle East works closely with military and civilian aviation customers to satisfy their specific requirements for specialized support equipment.



SPECIALIZED PRODUCTS AND SERVICES

CABLE & ASSEMBLIES

Avicorp Middle East provides power cable assemblies and Mil Spec. Connectors for aircraft and air defense systems.

Avicorp Middle East offers sourcing and fabrication of all types of aircraft connectors and assemblies for on-board applications such as engine & navigational-aid connections. Also specialized on-ground cable assemblies for applications such as air defense radar power and control cables.



Avicorp Middle East auto-switching utility powered frequency converters provide 400Hz power for air defense systems.



SERVICE CABINETS, POWER DISTRIBUTION UNITS

Avicorp Middle East manufacturers service cabinets and PDU's for aircraft and air defense requirements. Optional features available include: auto-switching and paralleling, load sharing, current and voltage sensing, feedback interlocks, system control & monitoring, and voltage drop compensation.

50Hz TO 60Hz MILITARY & COMMERCIAL SHORE TO SHIP POWER CONVERSION SYSTEMS

Avicorp Middle East provides up to 1500KVA of shore to ship 50Hz to 60Hz or 60Hz to 50Hz power conversion in a single unit and unlimited capacity with multiple paralleled units. Avicorp Middle East provides solutions for wide area power distribution within acceptable voltage loss at drydocks, dock side and off shore platforms for commercial and military applications.

Naval power conversion and power distribution can be provided as point of use or central systems. Distribution cabinets with receptacles at mooring stations are also available.



MISSION STATEMENT: CONTRACT MANAGEMENT ABILITY, EXPERIENCE, PAST PERFORMANCE.

Avicorp Middle East provides products and services to the civilian and the military aviation ground support industry.

The company possesses an organization and a management approach oriented to the efficient and timely completion of service requirements in an environment where performance of flight line equipment is critical to clients.

By necessity, this leads to a organization built around a staff of highly diverse and experienced personnel whose collective backgrounds span a variety of construction, technical and service disciplines.

This permits Avicorp Middle East to accommodate, oversee, and perform the services required to maintain the on-line capability of customer's equipment.



400Hz electrical power supplied through in-ground services pits at gates or remote stands.



An important aspect of Avicorp Middle East service is the ability to simultaneously coordinate sourcing and ordering of material, spare parts and equipment as needed.



Laser range finding aircraft docking guidance systems with gate management software programs provide for accurate parking and bridge placement.



AIRPORTS APRON SERVICES



PASSENGER BOARDING BRIDGES

Avicorp Middle east provide passenger boarding bridges at airport terminals, remote locations for multiple aircraft parking positions. Services include design, supply , installation, testing and commissioning and training.





AIRCRAFT PRECONDITIONED AIR

Avicorp ME specialize in design, supply, installation, testing and commissioning of Preconditioned Air (PCA) systems for various aircraft parking scenarios. PCA can be provided in DX alone, DX-CW, or in the form of an AHU with chilled water and glycol or just glycol depending on the design requirements or the facility. Below we show pictures of PCA as DX and DX-CW.





AIRCRAFT 400Hz SYSTEMS

Avicorp Middle East specialize in design, supply and system integration of 400Hz systems for both civilian and military aircraft. Whether it be a point of use device, a central 400Hz application, or other sophisticated parallel 400Hz applications, Avicorp ME has the expertise and ability to tailor the needs of the customer with the most economical and state of the art 400Hz equipment. This includes 400Hz frequency converters both solid state and rotary, 400Hz distribution panels and line drop compensators as well as 400Hz cables and assemblies.





UNDERGROUND SERVICE PITS

Avicorp ME provide underground service pits for multiple aircraft ground services which include 400Hz, PCA, potable water, Fuel Venting, Compressed air and others.

Below are some illustrations of pits being used in Hangars, Airports and Remote locations at terminals.





VISUAL DOCKING GUIDANCE SYSTEM

Avicorp Middle East integrate the Visual Docking Guidance System with other gate management services for aircrafts parked at terminals and or remote locations. These Laser guidance systems are installed and operational all over the world and installation in the middle east include Jeddah, Abu Dhabi and Egypt.



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