

AIRCRAFT OVERHAUL AND MODIFICATION SPECIALISTS



Aeronavali (Officine Aeronavali Venezia S.p.A.) is a wholly owned subsidiary and one of the major operating units within the Overhaul, Product Support and General Aviation Group of Aeritalia, Italy's largest aerospace concern.

Aeronavali has over the years been fully integrated into the Aeritalia corporate structure where its skills and resources are directed towards the maintenance, overhaul, modification and repair of non-Aeritalia built aircraft.

Since its 1981 acquisition, Aeronavali has with the backing of its parent company been able to build upon its existing reputation for dependability and technical excellence to the point where it is now one of Europe's leading third party aircraft service centers.

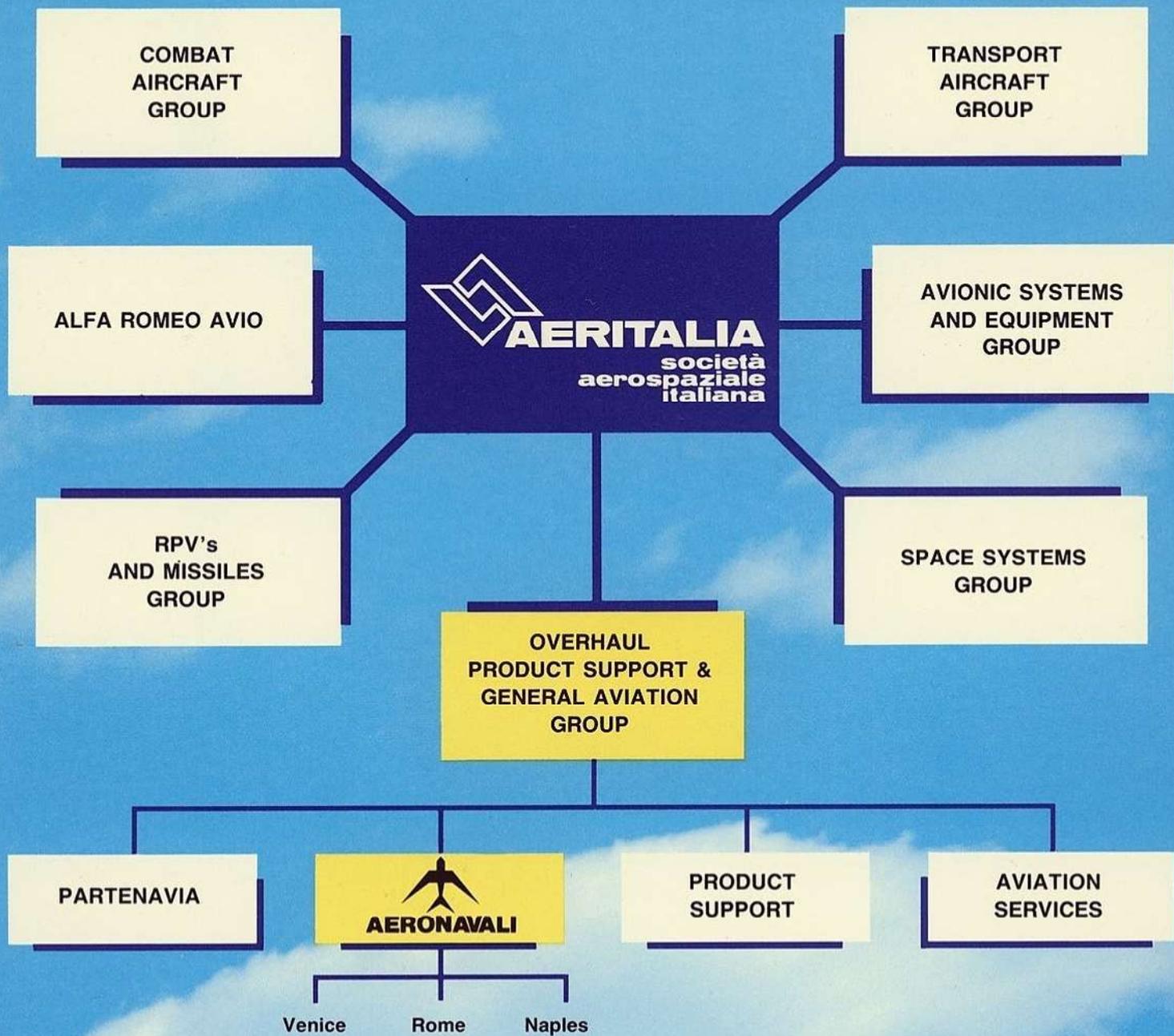
Encouraged by the success achieved to date, Aeronavali has set new and even more ambitious long term goals aimed at consolidating and expanding its present position. The company's continued growth is a commitment to support customers now and into the future.



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A LEADING AIRCRAFT SERVICE CENTER

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Aeronavali has been providing general, commercial and military aviation customers with a broad range of aircraft support services for more than 40 years.

The company's head office and main plant situated at Venice Int'l Airport consists of 52.5 acres and over 300,000 sq.ft. of hangars and workshops. The facility employs a highly skilled workforce of more than 500 people which averages over 14 years experience working on aircraft, aircraft systems and support services.

During 1986, due to the company's continued growth and expansion, Aeronavali opened two satellite aircraft service centers. A major facility with approximately 200 people was established in Naples and a smaller center staffed by 50 was opened at Rome's Ciampino Airport.

Aeronavali is a Douglas Aircraft Company recommended DC-8 overhaul facility and is also fully equipped to service the following aircraft types: Boeing 707, Fokker 50/F-27, Lockheed L-100 and various models of business jets.

In the military sector, Aeronavali's current programs are centered around the Italian Air Force's Breguet Atlantic maritime patrol aircraft, NATO's Boeing E-3A AWACS and the U.S. Navy's A-3. Extensive experience has also been acquired on the Lockheed C-130 military transport.



INTRODUCTION

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PERSONNEL SENIORITY AVERAGES 14 YEARS

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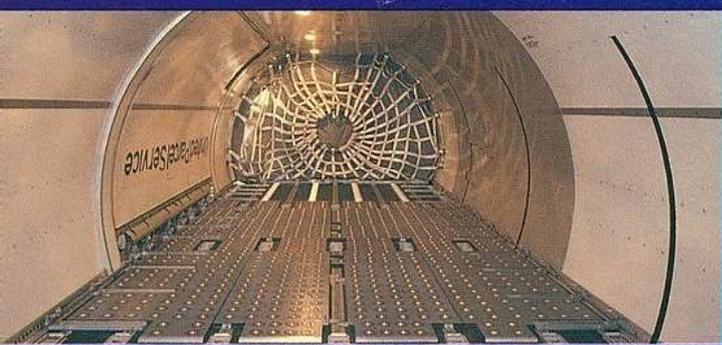
Aeronavali is currently involved in four major aircraft overhaul and modification projects.

The DC-8 passenger to freighter conversion program is a joint venture with McDonnell Douglas in which the DC-8 aircraft is modified into an all freighter configuration using the manufacturer's proprietary design and tooling. The basic conversion includes the installation of a newly fabricated 85 "X 140" main deck cargo door, the strengthening of floor beams and replacement of the existing floor. Aeronavali's is the only conversion for which McDonnell Douglas will provide post mod certification to operate at increased gross weights.

All heavy maintenance on the Italian Air Force's 18 Breguet Atlantic maritime patrol aircraft is performed by Aeronavali. Additionally the entire fleet will undergo a modernization program aimed at updating its mission avionics.

As a NATO Source of Repair, Aeronavali has been tasked with the responsibility of carrying out the DLM (Depot Level Maintenance) of NATO's E-3A AWACS aircraft. The company will also provide drop-in and emergency maintenance support on an around-the-clock basis.

The SDLM (Standard Depot Level Maintenance) of all Mediterranean based A-3 Skywarriors assigned to the U.S. Navy's Sixth Fleet is being accomplished by Aeronavali. In addition, numerous airframe major structural modifications are being performed concurrently in order to extend the service life of this aging aircraft.



MAIN PROGRAMS

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FOUR MAJOR OVERHAUL AND MODIFICATION PROJECTS

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Aeronavali has acquired extensive experience over the entire spectrum of airframe maintenance and overhaul.

The services routinely provided include light and heavy checks, corrosion treatment and control, cabin configuration conversions and refurbishing, fuel tank resealing and complete exterior stripping and repainting.

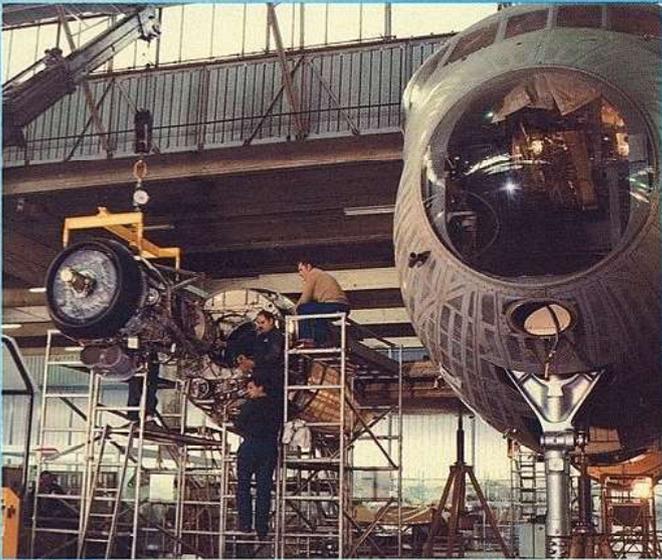
In addition to scheduled maintenance and inspection, Aeronavali has the responsiveness and flexibility to handle an operator's drop-in and emergency requirements. A capability that is further enhanced by the fact that the company now has facilities on three primary Italian airports.



AIRFRAME MAINTENANCE AND OVERHAUL

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SERVICES RANGE FROM LIGHT TO HEAVY CHECKS

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The technical resources of Aeronavali have been applied to accomplish work ranging from simple kit installation, embodiment of Service Bulletins and Airworthiness Directives to the total rebuild of entire fuselage sections.

Aeronavali can design, manufacture and install a wide variety of transport aircraft modifications. The company's capabilities range from custom interiors to complete conversions for special mission applications.

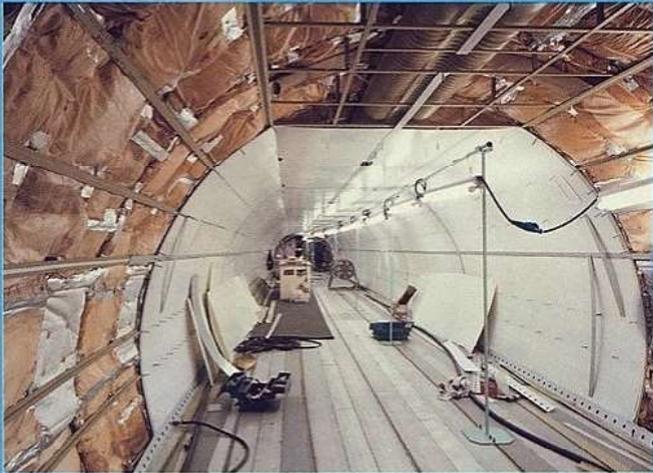
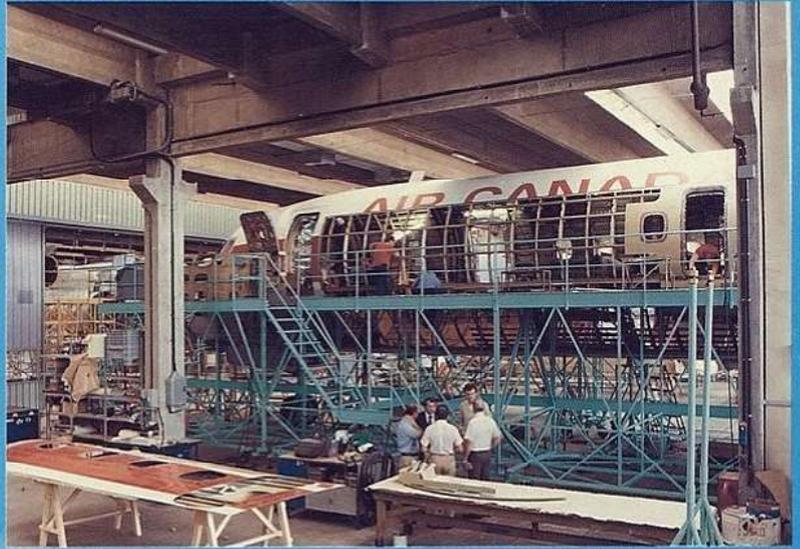
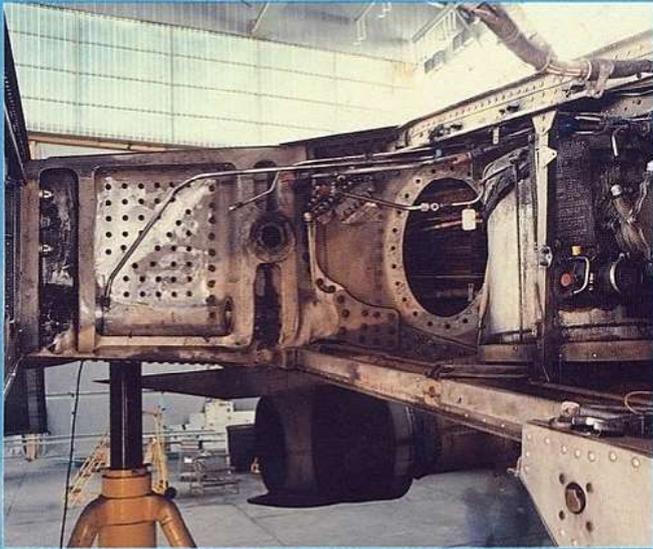
Aeronavali has gained specific experience in the conversion of passenger aircraft into freighters, life extension modifications, installation of auxiliary fuel tanks and the updating of mission avionics.



AIRFRAME MODIFICATION AND REPAIR

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DESIGN, MANUFACTURE AND INSTALLATION CAPABILITY

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Aeronavali has well equipped workshop facilities to accomplish the overhaul and repair of hydraulic, pneumatic and electrical components.

Additional facilities are also available to handle fuel systems and engine accessories while other shops have been set up for landing gears, tires, wheels and brakes.

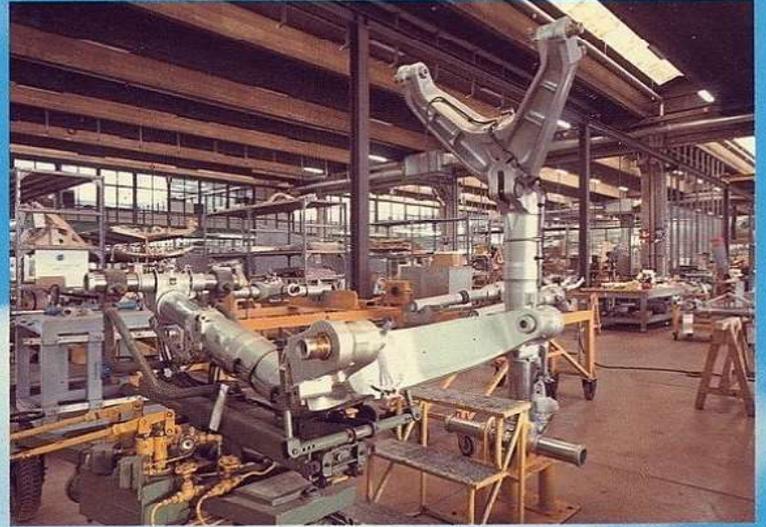
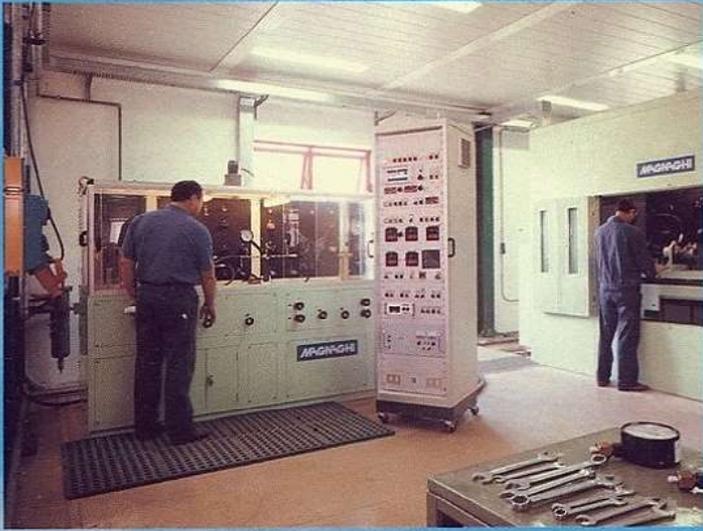
These comprehensive in-house capabilities are essential when it comes to assuring the on time completion of an aircraft major overhaul or modification effort.



COMPONENTS AND ACCESSORIES OVERHAUL

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IN-HOUSE OVERHAUL AND REPAIR CAPABILITY

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Highly trained technicians are experienced in the trouble-shooting and repair of aircraft instrumentation and avionic systems.

Aeronavali has recently invested in a new avionics laboratory which will be dedicated to the servicing of units installed on the aircraft types commonly overhauled by the company.

A complete wireharness manufacturing facility is available to tackle any major rewiring that may be needed during aircraft overhaul and modification or to assemble the countless electrical cables required by large scale projects.

Aeronavali also has acquired extensive experience in the design and installation of customized avionics packages for a wide range of both civilian and military applications.



ELECTRICAL SYSTEMS

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DESIGN AND INSTALLATION OF AVIONICS PACKAGES

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Aeronavali has the skilled metal workers to build crew seats, machined parts and complex aerostuctures such as fuselage sections, doors and nacelles. Available equipment includes hydraulic presses, numerically controlled milling machines and heat treatment furnaces.

These comprehensive fabrication and manufacturing facilities enable Aeronavali to provide in-house support for aircraft overhaul and large scale modification programs. Very often, when an item has a particularly long lead time or is no longer available, it can be manufactured in Aeronavali's workshops.

The Manufacturing Department is presently building a number of airframe major structural components for several national and international aircraft joint production programs.

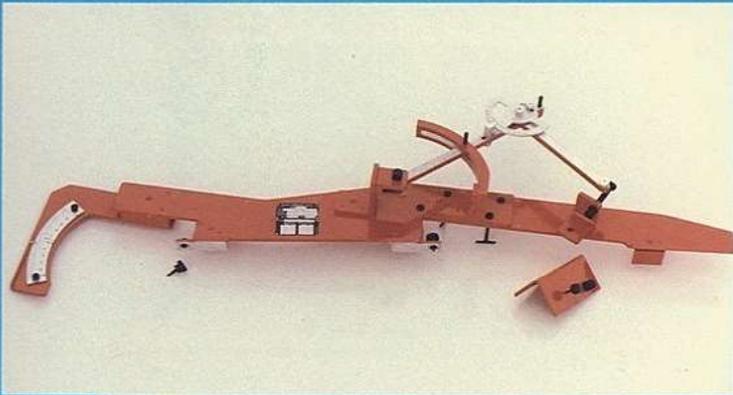
Aeronavali also produces a complete line of aircraft ground support equipment. Over 60 items designed specifically for the new ATR-42 commuter aircraft are built under license from the aircraft manufacturer.



MANUFACTURING

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INVOLVED IN AIRCRAFT JOINT PRODUCTION PROGRAMS

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A modern environmentally controlled paint bay enables Aeronavali to strip and repaint an aircraft to any desired colour scheme. Aircraft up to and including the size of a DC-8-63/73 can be easily accomodated.

Airframe structural assemblies, sub-assemblies and parts from the Manufacturing Department are handled in a well equipped paint shop:

The plating facility has been upgraded to comply with McDonnell Douglas specifications and standards and provides a wide range of plating processes including silver, copper, chrome, nickel, cadmium and nickel-cadmium.

Alodyning and anodizing of metals is also accomplished.



FINISHING

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LARGE TRANSPORT AIRCRAFT ACCOMODATED IN PAINT BAY

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Aeronavali's Quality Assurance program is designed to guarantee conformance to manufacturer's specifications and to meet the standards of airworthiness authorities.

These stringent controls ensure the highest possible quality for products and services.

Non-destructive testing of structures, components and engines is performed using boroscopic, fluorescent, dye penetrant, magnetic particle, X-ray, ultrasonic and eddy current techniques.

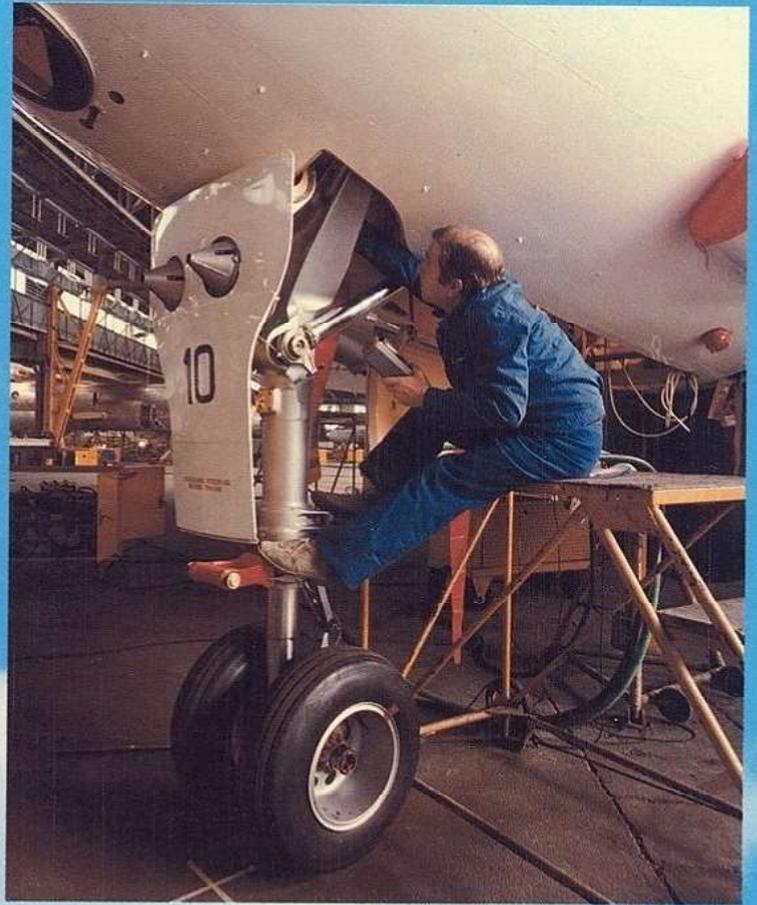
Aeronavali is FAA certified repair station no. 105-F and is also approved by both the Italian Air Force and RAI, the Italian airworthiness authority.



QUALITY ASSURANCE AND CERTIFICATION

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AN FAA APPROVED REPAIR STATION

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In order to assure total aircraft support, Aeronavali offers a variety of ancillary services.

Facilities are available for the inspection, disassembly and rebuild of powerplants and propellers.

Field teams can be organized for special assignments such as the salvage and recovery of crash damaged aircraft. Aeronavali field teams have been performing on-site and ship-board emergency repairs to the aircraft and helicopters assigned to the U.S. Navy Sixth Fleet since 1977.

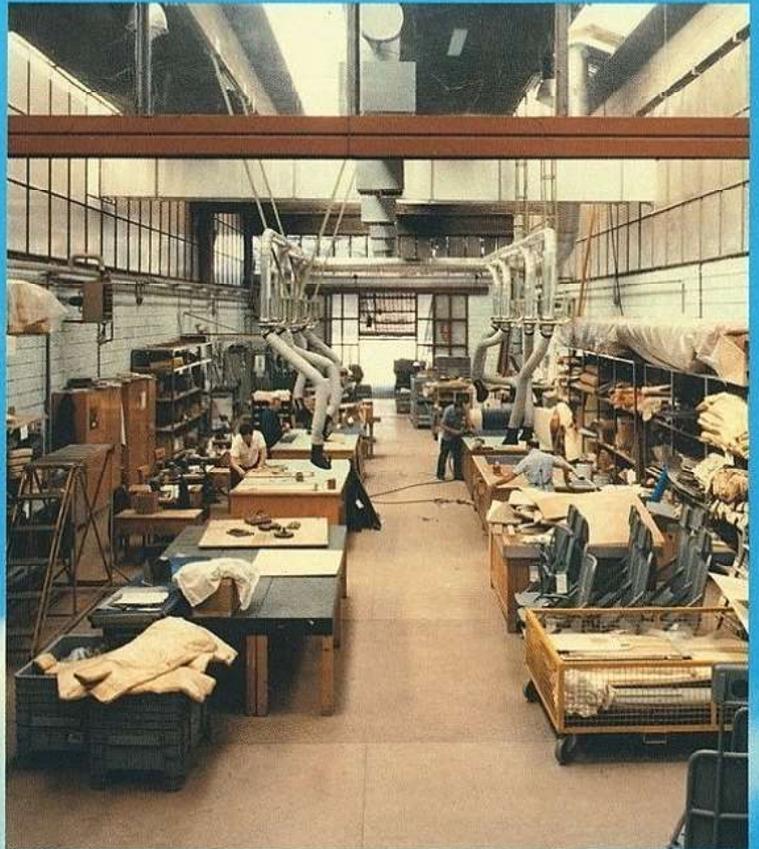
Other services provided include welding, shot peening, fiberglass and honeycomb repairs, overhaul of life rafts and survival equipment, upholstery, aircraft weighing and compass swinging.



ANCILLARY SERVICES

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FIELD TEAMS FOR ON-SITE SUPPORT

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