





Company Profile



# **Executive Summary**

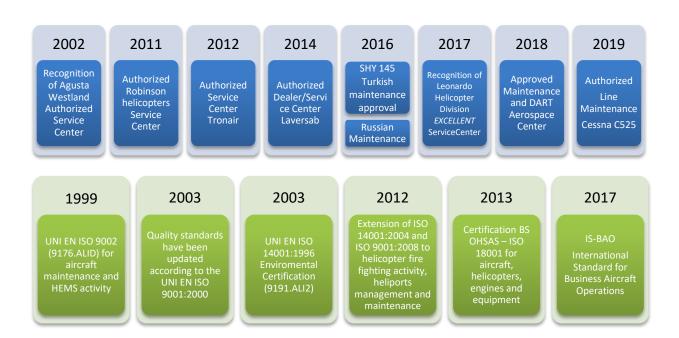
Alidaunia, founded in Foggia on the 1st March 1976, started its activity as fixed wing operator of aerial work.

In 1984 the Company achieved the License for Passengers Public Transport (TPP) by the Italian Ministry of the Transportation and began operating executive flights.



Since 1985, with Ministry of Transportation assent and with the sponsorship of Puglia regional government, Alidaunia guarantees the daily connection between Foggia and the Tremiti Islands, a service of remarkable social utility. Since 1986 is the only Italian company operating line scheduled flights with helicopters. Moreover, such line service to the Tremiti Islands is integrated by Helicopter Emergency Medical Service (HEMS), available 24/7, in favour of the population of the Islands.

From 1992 to 1995 Alidaunia operated also the Mitsubishi MU 300 "Jet Diamond" for line service on the routes Foggia – Milan Malpensa and Foggia – Parma.



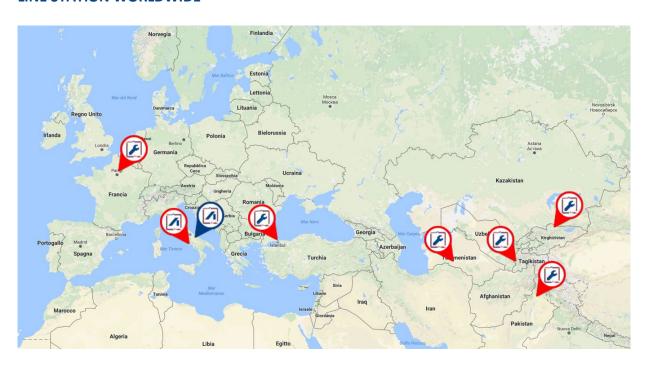


Nowadays, Alidaunia operates in many different areas within the framework of aviation business. Specifically, Commercial Air Transport (IT.AOC.063), aerial work (SPO), Continuing Airworthiness Management Organization (IT.MG.0063), Maintenance Organization (IT.145.0101), Design Organization Approval DOA (EASA AP.018), airport and heliport management, handling, firefighting, fuel bunkering, security.

Alidaunia operates helicopter for civil protection services, HEMS Helicopter Emergency Medical Services and air ambulance contracted by several Public Administrations in different regions of Italy.



#### **LINE STATION WORLDWIDE**





**MAIN BASE** 



**HEMS BASE** 



LINE STATION



#### **FLIGHT OPERATIONS**

#### **HEMS**

Part of Alidaunia's fleet is dedicated to HEMS contracts. The helicopters are suitably equipped and staffed by trained personnel. The benefits of helicopters employment for medical emergencies are well-known all over the world: helicopters deliver medical help very swiftly where it is needed, then provide fast transport to the nearest hospital saving hundreds of lives every year.



In the following are listed few relevant HEMS contracts in the last few years.

#### **HEMS TREMITI ISLANDS**

Since 1st march 1986, the service is contracted by Puglia Region, in favour of the residents of Tremiti Islands. The service is operated 24/7 and constitutes an integration of the passenger daily airline service.

#### **GARGANO AIR AMBULANCE CONTRACT**

From 1995 to 2008 with the Local Health Service of San Severo (ASL FG/1) to provide Air Ambulance

over the promontory of Gargano and based in the town of Vieste.

#### **DAUNIA AIR AMBULANCE CONTRACT**

From 2000 to 2002, thanks to the success of previous activity, Alidaunia operated HEMS under contract with Local Health Agency (ASL-FG/3) as an extension of the Gargano Air Ambulance contract. This service was named *Daunia Elisoccorso* and covered a mountainous territory scattered with remote farming communities.



#### **FOGGIA HEMS CONTRACT**

From 2008 the service on behalf of the ASL FG has been extended over the entire territory of the provinces of Foggia and the operative base was moved to Foggia. Moreover, the type of operations changed as the operating capability has been extended to primary missions with the use of hoist and medical crew (anaesthetist doctor and nurse).





#### **HEMS CONTRACT - CAMPANIA REGION**

From August 2000 Alidaunia has been operating HEMS under contract with Campania Region.

From August 2000 to October 2001 the service was performed during night hours mostly in favour of the populations of the islands of the Naples Gulf (Capri, Ischia, Procida). Then the service was extended to the entire regional territory.

Since October 2001 the night service has been extended to the daytime service, operating from Naples base, 24/7. From February 2002, the service is being operated during daily hours and the operative base has been moved to Salerno Airport LIRI.



#### **HEMS CONTRACT - BASILICATA REGION**

In 2009, Alidaunia has been awarded the HEMS contract for the Management of both HEMS bases (Potenza and Matera) and helipads network dedicated to helicopter emergency medical service.

The management is executed through a continuous monitoring program that ensures perfect efficiency and practicability in terms of safety through monitoring and ongoing maintenance of structures, facilities, systems and installations as well as technical and operational equipment.

In addition to the management of the bases of Potenza and Matera, Alidaunia also provides the heliport firefighting service.

#### **HEMS KEY ADVANTAGES**

The first important advantage of the sanitary helicopter, with respect to the ground means of transport, is the swiftness of intervention of the sanitary staff.

It is demonstrated that reducing the rescue time with a first aid and emergency action, reduces mortality by the 25% and the high costs of hospitalization in intensive care units. Many frequent diseases require the immediate transfer of the patient for timely surgery dropping up to 40% mortality in some chest-abdominal pathologies and vascular (abdominal aortic rupture and stroke). It also reduces by 30-40% disabling outcomes and hospital length of stay.

Choosing the most appropriate medical structure is another important advantage of the helicopter rescue because it is possible to transport the patient to the most appropriate hospital for the pathology observed, rather than taking him/her to the nearest one as it normally occurs with the ambulance.





#### **HEMS HELICOPTERS**

Alidaunia HEMS helicopters are equipped with quick installation medical kits including a complete set of electro-medical equipment suitable for any type of emergency mission.

They are also provided with special equipment such as emergency floats, external loudspeakers, cargo hook and rescue hoist.

#### **AGUSTA WESTLAND AW139**

AW139 is a versatile helicopter with 15 pax maximum capacity and a quick installation medical kit capable to convert in a few minutes the helicopter to HEMS configuration: 3 stretchers and 10 standard seats.

With its 4 hours autonomy has the versatility of a helicopter and the endurance of an airplane, making it particularly suitable for use in HEMS and civil protection. Being capable of about 1.000 km journeys, can provide the operational coverage of the whole national territory without the need for intermediate stops.



#### **AGUSTA WESTLAND AW 169**

The AW169 is the latest-generation 44.8 tonnes twin-turbine helicopter, featuring class-leading performance for versatile capability in the most demanding operating conditions. The aircraft exceeds the most demanding market and regulatory requirements, including the most recent FAA and EASA Part 29 standards for performance and safety. Pilots benefit from an advanced open-architecture avionics suite with fully digital glass cockpit.



#### **AGUSTA WESTLAND AW 109SP**

The AW109SP GrandNew represents the new generation of helicopters AW109 born from the "tried and tested platform" of Agusta A109S "Grand". The helicopter is fitted with a new glass-digital cockpit and fuselage in composite material.

The FlightLogicTM Chelton Synthetic Vision EFIS and a new digital duplex autopilot on 4 axes provide pilots with an accurate situational awareness and the ability to manage each mission with a high degree of safety. The AW109SP, is also equipped with numerous optional kits to the advantage of the considerable operational flexibility (possibility to reconfigure the helicopter in a short time).

# **AGUSTA A 109 S GRAND**

The Grand offers a long and spacious passenger cabin that provides high levels of comfort in different approved configurations. In the HEMS version, the Grand offers excellent accessibility with two large sliding doors 1.40 m wide, allowing an easy and fast loading and unloading of stretchers and make winch operations easier. The sanitary compartment is completely separate from the cockpit so that medical staff can easily access the longitudinal stretchers without invading the cockpit.





#### **AGUSTA A 109 E POWER**

The A109E Power HEMS configured allows the finest patient care environment. Its spacious patient/medical staff cabin is completely separate from the cockpit, allowing 2 or 3 medical staff full access to the longitudinally placed litter without disruption to the cockpit. The internal layout includes provision for the installation of all necessary medical equipment to treat patients whilst in transit. Two standard rails are positioned both in the cabin rear bulkhead and on upper side panels that include outlets for oxygen, emergency air and power. The helicopter is equipped with hoist, emergency floatation gear, sun light, cargo hook.



#### CESSNA C525 M2



The Cessna Citation 525 is a low-wing aircraft, with a retractable tricycle landing gear and a T-tail configuration. The pressurized cabin can carry up to 6 passengers in addition to the 2 crew members. The thrust is guaranteed by 2 powerful Williams jet propulsion engines type LLC FJ44 installed on special pylons at the rear of the fuselage.



For the M2 version the engines are controlled by a FADEC (Full Authority Digital Engine Control) system, while for the entire 525 series the fuel is stored in the wing tanks. The fuselage has two separate luggage compartments. The aerodynamic characteristic and the use of composite materials have allowed a considerable weight saving in favor of greater efficiency in terms of performance, also with regard to consumption. The interior spaces are such as to allow, in the sanitary configuration, to house all the

health equipment required, install a complete stretcher kit for patient and also carry a medical team of 3 people.



#### **CIVIL PROTECTION SERVICES CONTRACTED BY SICILY REGION**

The services were operated from 2005 to 2009. The helicopter was based in Palermo, Boccadifalco Airport LICP.

The types of missions were diversified as follows:

# Missions connected to the onset of calamitous events

- First recognitions following to seismic and/or volcanic calamitous events.
- First recognitions following situations of dangerousness originated from particularly adverse meteorological conditions (floods, overflowing, landslips, sea storm, fire, etc.).
- •Transfer of medical personnel and sanitary equipment of first intervention in the stricken zones.
- Transfer of supplies, drugs, plasma and products of first necessity in zones isolated by the calamitous events

#### **Rescue missions**

- •Search and coordination of aids to people lost in wooded, mountainous and marine areas, as well as in situations of danger because of alluvial phenomena, landslides, sea storms, eruptions, fires, etc.
- Evacuation of people involved in calamitous events and/or in situations of serious pollution of chemistry-industrial origin.
- Evacuation of people in difficulty and/or in danger in the minor islands.

#### **Support missions**

- •To the National Institute of Geophysics and Volcanology (INGV) and to the Institutional Committee of Coordination of the System of Seismic and Volcanic Surveillance in Sicily;
- to the Regional Mobile Columns of the Voluntary Service, with the coordination of the Regional Department of the Civil Protection.

#### **LINE SCHEDULED FLIGHTS**

Since 01.03.1986, with the sponsorship of Puglia Region, Alidaunia has been operating twice a day a helicopter line service between Foggia and Tremiti Islands granting fast, nearly all-weather connection. From 2000, in collaboration with Regione Puglia, during the summer months, Alidaunia operates daily flights from Foggia and Tremiti Islands to other important resorts on Gargano promontory such as San Giovanni Rotondo, Peschici and Vieste.

In August 2002, as a further extension of the connections with the Tremiti Islands, another passengers public transportation service on demand was activated between Termoli and the Tremiti Islands. In the year 2011 a scheduled connection with Vieste has been activated.



#### **OTHER OPERATING ACTIVITIES**

Besides the previously mentioned activities, which can be considered the core business of the company, Alidaunia operated a line scheduled flights with a twin turbine Jet Mitsubishi MU 300 "JET Diamond" from 1992 to 1993 from Foggia to Milan Malpensa, and from May 1993 to February 1995 from Foggia to Parma three times a week.



Another significant activity is the off-shore operated with the ship MICOPERI 7000, while working off-shore the city of Ortona (Chieti), with more than 100 ship deck landings to guarantee the shifts of the working personnel of the support ships "WESTERN - PRIDE" and "WESTERN - REGENT", employed for surveys in the Adriatic Sea.



#### **AIRCRAFT MAINTENANCE**

Starting from an operation experience adding up to more than twenty thousand flight hours, Alidaunia approved Part 145 Maintenance Organization is **Agusta Westland Excellent Service Centre** for helicopters types Agusta A109A/AII/C, A 109E/S, AW109SP, AW119, AW169, AB/AW139 and AW189.

Alidaunia is also authorized Robinson Helicopters Service Centre for helicopters types R22 and R44. Alidaunia is also authorized for Cessna 525 Line Maintenance.

Full details of the approval schedule are reported by the attached Part 145 Certificate (IT.145.0101).







In the last ten years, Alidaunia has put its experience and capabilities at disposal of the customers. Many private customers have preferred Alidaunia Maintenance and Continuing Airworthiness Management Services.

Moreover, several worldwide maintenance and support services have been contracted to Alidaunia, such as:

2010-2011	<ul> <li>Bulgarian Border Police. Delivery of A109EP / AW139 fleet, one-year training of personnel and maintenance start-up</li> </ul>		
2011-2017	•Turkmenistan State helicopters. Delivery of A109EP / AW139 fleet, maintenance and logistics support on behalf of Agusta Westland		
2014	•A109E delivery to Lahore – Pakistan. On behalf of Agusta Westland final assembly and test flights of a A109E delivered to a private customer		
2014	<ul> <li>Agadir International Airport line station to support AB/AW 139 off-shore operations</li> </ul>		
2014	•Tripoli – Libya. State AW139 maintenance at former LIATEC base		
2014	•Malta. Delivery to Malta Coast Guard AW139 and maintenance start-up		
2015	<ul> <li>Agha Khan Foundation: permanent maintenance bases in Islamabad (Pakistan), Bishkek (Kyrgyzstan) and Dushanbe (Tajikistan)</li> </ul>		
2015	•Yildirim Group – permanent maintenance line station in Gemlik (Turkey).		
2017	●Paris Le Bourget - Line station.		





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#### SPECIFICA DELLE ABILITAZIONI **DELL'IMPRESA DI MANUTENZIONE**

(Maintenance Organisation Approval Schedule)

Riferimento(Reference): IT.145.0101

 $\label{eq:mpresa} \textbf{(Organisation):} \ \ ALIDAUNIA\ S.r.l.$ 

Base Aeroporto Foggia

Aeroporto Gino Lisa - 71100 FOGGIA (FG) - Italy

Base Principale

Strada Statale 673 KM 19,00, snc - 71100 Foggia (FG) - Italy

Classe (Class)	Abilitazioni (Rating)	Limitationi (Limitation)	Base (Base)	Linea (Line)
AEROMOBILI - (AIRCRAFT)	A2 Velivoli di 5700 kg e inferiori - (Aeroplanes 5700 kg and below)	Interventi Avionici come da Capability List nel Manuale Approvato (Avionics Maintenance Tasks as per Approved Manual Capability List) Cessna 525/525A	SI (YES)	SI (YES)
		Partenavia P.66	SI (YES)	SI (YES)
	A3 Elicotteri - (Helicopters)	Interventi Avionici come da Capability List nel Manuale Approvato (Avionics Maintenance Tasks as per Approved Manual Capability List)	SI (YES)	SI (YES)
		AgustaWestland AW189	NO (NO)	SI (YES)
		AgustaWestland AW169	SI (YES)	SI (YES)
		Agusta A109 Series	SI (YES)	SI (YES)
		Agusta A119/ Agusta AW119MkII	SI (YES)	SI (YES)
		Agusta AB139 / AW139	SI (YES)	SI (YES)
		Eurocopter MBB-BK 117 C1	SI (YES)	SI (YES)
		Robinson R22/R44 Series	SI (YES)	SI (YES)
MOTORI - (ENGINES)	B1 Turbina - (Turbine)	Pratt & Whitney Canada Co PT6 Series e PW200 Series		
		Rolls Royce Co - 250-C20 e 250-C30		
COMPONENTI DIVERSI DA MOTORI COMPLETI O APU - (COMPONENTS OTHER THAN COMPLETE ENGINES OR APUS)	C10 Rotore Elicottero - (Helicopter's Rotors)	Secondo Capability List riportata nel Manuale Approvato (As per Capability List detailed in Approved Manual)		

La presente approvazione è limitata ai prodotti, parti e pertinenze ed alle attività specificate nella sezione relativa allo scopo

dell'approvazione del manuale dell'impresa di manutenzione approvata.
(This approval schedule is limited to those products, parts and appliances and activities specified in the scope of work section of the approved maintenance organisation exposition,)

Riferimento del Manuale dell'impresa di manutenzione: (Maintenance Organisation Exposition reference)

Data del primo rilascio: (Date of original issue)

15/12/2004

Data dell'ultima revisione

approvata: (Date of last revision approved)

Revisione n.:

08/01/2019

(Revision No)

rev. 15

Alidaunia MOE, ed. 5 del 04.01.2016

perazioni Sud Il Direttore della Alessandro

Per l'autorità competente:

(For the Competent Authority)

Ente Naziona e per l'Aviazione Civile

Mod.3-145 AESA versione 3 (EASA Form 3-145 Issue 3)

Ottobre 2015





# EXCELLENT SERVICE CENTRE FOR AGUSTAWESTLAND PRODUCTS

# CERTIFICATION

RELEASED TO

ALIDAUNIA S.r.I.

WITH TECHNICAL BASE AT

Foggia - Italy

Having satisfactorily met all the necessary requirements as a Leonardo Helicopters Service Centre for the maintenance of the following AgustaWestland Products:

A109 Series, A119/AW119MKII, AB/AW139, AW169, AW189

October 28th 2017

Ref.: SCA-17-14



VGiovanni Cecchelli
Vice President
Customer Support & Services Italy
Leonardo Helicopters

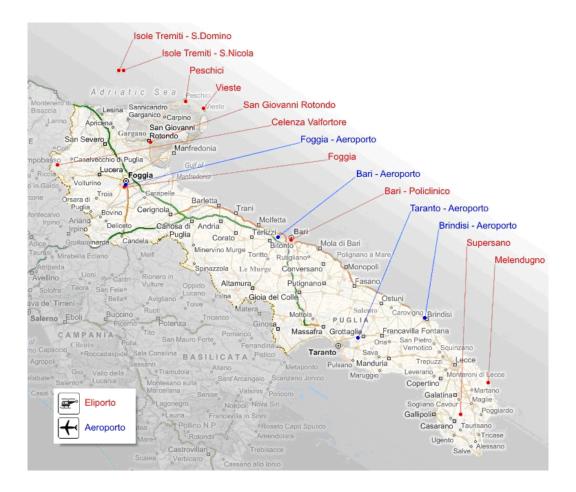


#### **APULIAN HELIPORT NETWORK**

Apulian Heliport Network has been built and now is managed by Alidaunia within the framework of a specific contract awarded by Aeroporti di Puglia.

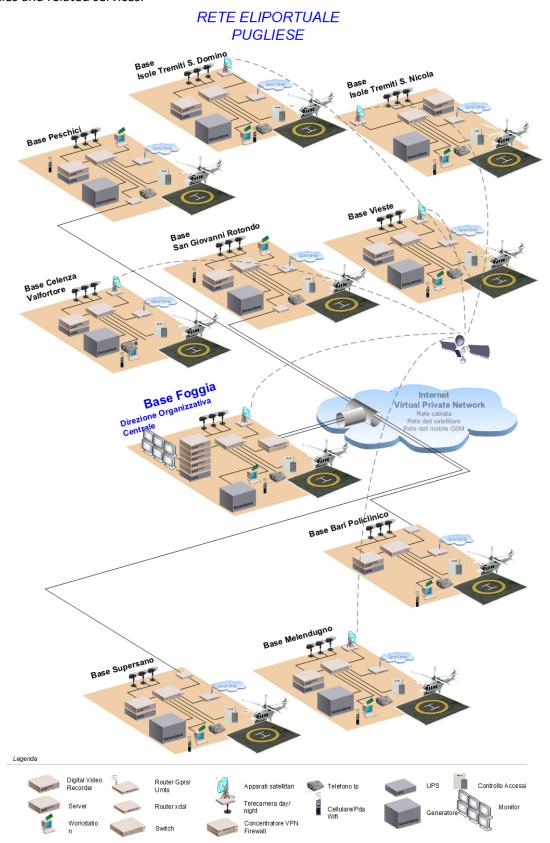
Such network responds to the demand for a system of helicopter landing sites, operating 24/7, strategically distributed all along the region territory and integrate with the airports. It still constitutes the only example in Italy of integrated management of a regional airport/ heliport system.

Each heliport is furnished with any necessary safety and security equipment: antitheft devices, firefighting and check-in for passengers and baggage (where required), as well as other services like handling, refuelling (Jet A1 - where required).





All the helipads are remotely controlled and managed from the operational control centre, located at the main base in Foggia, which guarantees the continuous monitoring of the network, along with all facilities and related services.





#### TEA

Always up to date with the new national and international rules, Alidaunia is also Centre for TEA Examinations (Test of English for Aviation).



#### **DESIGN ORGANIZATION APPROVAL - DOA**

With EASA approval No EASA D (2005) CDO/AP018/6198, Alidaunia has been recognized capable to carry out design activity according to the alternative procedures to Part 21 Design Organisation Approval (Ref. Commission Regulation – EU No 748/2012 of 03/08/2012)

Within this framework the Company has developed modifications (STC) in the following areas:



#### **AREA 1**

•installation of avionic equipment (VHF, ADF, TXR) on both helicopters and airplane

#### AREA 2

 modification of the interiors, regarding the installations of materials for the improvement of the soundproofing and the aesthetics, both helicopters and airplane

#### AREA 3

 installations of equipment, electro medicals and of the related supports, for both helicopters and airplane

#### AREA 4

•amendment to the procedures contained in the Rotorcraft Flight Manuals, according to new instructions implemented by the company and introduced by a specific supplement to the Rotorcraft Flight Manual

#### AREA 5

 installation of a new communication system, data/voice, (satellite/GPS), integrated by a "tracking" function, useful for the aircraft geo positioning system

#### AREA 6

 installation of an adjustable landing light along with standby static pressure port on Agusta A109AII



#### **FUELLING SERVICES**

Alidaunia provides aviation fuel (Jet A1 and AVGAS 100LL) in both Foggia airport LIBF and Foggia heliport at Alidaunia headquarter.



Alidaunia is certified by Italian CAA for aircrafts refuelling according to applicable national regulation.



#### **FIREFIGHTING SERVICE**

Alidaunia is certified by Ministry of Interiors to carry out the firefighting service at Foggia airport LIBF providing coverage up to Cat. 5 ICAO, according to the DM n.13 of 30.09.2008 and heliports H2 class according to the DM n.238 of 26.10.2007.



# APPROVED TRAINING ORGANIZATION (IT.ATO.0068) - ADVANCED FLIGHT TRAINING

In full compliance with Reg. (EU) 1178/2011, it is focussed on professional pilots in order to provide training covering:

- ATP H Airline Transport Pilot Licence (integrated / Modular)
- ► CPL H Commercial Pilot Licence (integrated / Modular)
- PPL H Private Pilot Licence
- FI H Flight Instructor
- TRI Type Rating Instructor
- ► MCC H Multi Crew Cooperation (VFR & IFR)
- F IR − H Instrumental
- ROBINSON R22 Type Rating
- ROBINSON R44 Type Rating
- ► AGUSTAWESTLAND A109 TYPE RATING + RENEWAL
- ► AGUSTAWESTLAND AW109 TYPE RATING + RENEWAL
- ► AGUSTAWESTLAND A139 TYPE RATING + RENEWAL
- ► AGUSTAWESTLAND A169 TYPE RATING + RENEWAL
- Proficiency check, line check, IFR check
- Off-shore





#### **OUR HELIPORTS & HELIPADS**

#### **FOGGIA HELIPORT**

Is the hub of the heliport network as it hosts the control center managing the whole network. The helipad has circular lay-out with of a reinforced concrete slab having diameter of 35 mt. Passenger terminal fully equipped for the handling of passengers and luggage.





# S. DOMINO ISLAND HELIPORT

Inaugurated on September  $23^{rd}$ ,2008 has the take-off and landing strip consisting of a reinforced concrete slab having dimensions of 35 x 35 mt (0.25 m thick). Passenger terminal fully equipped for the handling of passengers and luggage.







#### **VIESTE HELIPORT**

Inaugurated on October  $19^{th}$ , 2009 has the take-off and landing strip made out of a reinforced concrete slab having plan dimensions of 35 x 35 mt (0.25 m thick). Passenger terminal fully equipped for the handling of passengers and luggage.





#### **MELENDUGNO HELIPORT**

Inaugurated on October 9<sup>th</sup>,2010 Melendugno Heliport has a reinforced concrete slab having plan dimensions of 25 x 25 mt. Passenger terminal fully equipped for the handling of passengers and luggage.







#### SAN GIOVANNI ROTONDO HELIPORT

Inaugurated on November  $12^{th}$ ,2010 S. Giovanni Rotondo Heliport is made of a reinforced concrete slab having plan dimensions of 35 x 35 mt. Passenger terminal fully equipped for the handling of passengers and luggage.





# **CELENZA VALFORTORE HELIPORT**

Inaugurated on May  $27^{th}$ , 2011 Celenza Valfortore Heliport is made of a reinforced concrete slab having plan dimensions of 26 x 26 mt. Passenger terminal fully equipped for the handling of passengers and luggage.







#### **PESCHICI HELIPORT**

Inaugurated on July 22<sup>nd</sup>,2011 Peschici Heliport has circular shape and is made of a reinforced concrete slab of 26 mt of diameter. Passenger terminal fully equipped for the handling of passengers and luggage.





# **SUPERSANO HELIPORT**

Inaugurated on October 19<sup>th</sup>,2012 Supersano Heliport has a circular shape and is made of a reinforced concrete slab of 26 mt of diameter. Passenger terminal fully equipped for the handling of passengers and luggage.







#### **BARI UNIVERSITY HOSPITAL HELIPAD**

Inaugurated on December 19<sup>th</sup>,2012 the helipad is located on the roof of the pavilion "Asclepios" of Bari University Hospital. It has an area of 25.40 X 26.40 meters (including the Safety Area) and is available to any emergency helicopter. Is equipped with 28 yellow perimeter lights and 6 white horizontal lights and a visual guidance system. It is also equipped with a modern automatic fire protection system.





#### S. NICOLA ISLAND HELIPAD

It has been built for emergency purpose only to support the population of the Isle.





#### **CONTACTS:**

#### **Main Base**

SS.673 Km.19,00 71122 - Foggia ITALY

# Secretary's office:

tel: +39.0881.617961 fax: +39.0881.619660 E-mail: info@alidaunia.it

# **Secondary Operational Base**

c/o Aeroporto di Pontecagnano 84098 - Pontecagnano (SA) ITALY

mail: base.salerno@alidaunia.it

# Booking:

tel: +39.0881.619696

mail: prenotazioni@alidaunia.it

# **Approved Training Organization:**

E-mail: ato@alidaunia.it

# Offices:

ufficio.magazzino@alidaunia.it ufficio.manutenzione@alidaunia.it ufficio.operativo@alidaunia.it ufficio.tecnico@alidaunia.it

# **Fuel Service:**

deposito.carburante@alidaunia.it