

EUROPEAN CURRICULUM VITAE



PERSONAL INFORMATION

Name
Address
Marital Status
Telephone
E-mail
Nationality
Date of birth

ANDREA CASTELLI
VIA SAN GIORGIO, 25 20821 MEDA (MB) ITALY
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Italian
22 SEPTEMBER 1976



WORKING EXPERIENCE

from 16 October 2003

Lead Flight Test Engineer and
Compliance Verification Engineer
at

Leonardo
Helicopter Division (LHD)
ex AgustaWestland

Rotorcraft production company,
world leader in the rotary wing
sector.

Hold Role: "Chief Project Lead Flight test Engineer" & "Compliance Verification Engineer". FTE certificate issued by ENAC (Ente Nazionale per l'Aviazione Civile) This certificate fulfills EASA requirements for CAT 1 flight tests.

At present, August 2022, I cumulated a total fully experimental flight time of about 2700 hours.

Duties: from 2017: Lead Flight test Engineer (LFTE), Chief project on all A109-A119 family models and Compliance Verification Engineer (CVE) for flight and HMI issues. My commitment is focused on three main areas of involvements:

- Responsible for the compliance verification of certification programs on A109 helicopters family products line and assure the independent technical verification, as Independent Technical Verifier.
- Head of the A109-119 models experimental flight test.
- Considering my significant experience on all helicopter systems flight test aspects, I am deeply involved and technically responsible in current experimental flight activities through several LHD helicopter models.

Main Responsibilities:

- Planning and coordination of all the activities related to flight test so to ensure the achievement of Company objectives.
- Provide a proactive contribution with respect to the development and certification of new products, liaising relevant Engineering functions and designated Project Test Pilots.
- Ensure production and approval of technical reports, including Flight Test Plans, Procedures, Reports and Aircraft Acceptance Flight Test Procedures.
- Ensure the availability and approval of the technical data package and the Rotorcraft Flight Manuals.
- Discuss the showings of compliance with the AA, taking part in certification meetings, CRI and CAI processes.

from 04 June 2001
to 15 October 2003

Development Engineer at
Industrie Pininfarina

Cars design and production
company, leader in the
automotive world and in the
automotive research.

Hold Role: "Development Engineer" in the aerodynamic and aeroacoustic research sector (Wind Tunnel).

Duties: Experimental testing of prototype cars both for Pininfarina and for customers. Consultant for aerodynamics improvements, suggesting measurements techniques. Instrumentation development for new experimental measurements techniques. Company representative to introduce to the potential customers.

Responsibilities:

Chief of two development teams: the "Stereo Particle Image Velocimeter" and the "Wheel Brake cooling system" research groups.

PERSONAL SKILLS

NATIVE LANGUAGES

FOREIGN LANGUAGES

- reading capabilities
- writing capabilities
- speaking capabilities

RELATIONAL SKILLS

ORGANIZATIONAL SKILLS

TECHNICAL SKILLS

DRIVING LICENSES

INTERESTS

ITALIAN

ENGLISH

EXCELLENT
EXCELLENT
EXCELLENT

FRENCH

BASIC
BASIC
BASIC

Excellent team involvement aptitude. Proven experience in managing heterogeneous human resources and materials to reach objectives.

The experiences I gathered during off-site long-missions gave me the opportunity to learn working in other countries living in multicultural environments.

Excellent Airmanship. Proven capability to operate in multicrew cockpit environment.

As part of an academic aerospace engineering course, I collaborate with Politecnico di Milano university in presenting flight test aspects and teaching flight test procedures.

From 2016 I'm involved in local political activity. I have been elected as a councilman from December 2018.

My working experience increases my skills in team organization to develop complex projects operating in the whole integration process. Usually my role implies to coordinate the effort of several different technical and commercial departments. This in order to focalize everybody on the "big picture" so to find the best and efficient solution.

High personal flexibility to rapid changes. Excellent systemic initial approach to problem solving which develop to systematic focus on solutions.

Determined, pragmatic and motivated I have an excellent aptitude to work under pressure.

Excellent knowledge of the whole helicopter's systems. Excellent knowledge of data acquisition devices for recorded and telemetric measures. Autonomy for critical analysis of experimental data in order to find solution to technical issues and to write certification report and Flight Manuals. Excellent knowledge of informatics both as user and as programmer.

Excellent knowledge of FAA and EASA FAR/CS 27 regulations.

Proven capability to manage Authorities meetings related to certification processes of singular devices and complex integrated systems.

I'm a fixed wing Pilot and a ground flight instructor. Excellent knowledge of all theoretical and practical aspects of flights issues.

Italian driving license for categories A, B and C

- **Family:** I spend the majority of my free time with my family sharing with them all my passions and interests.
- **Flight:** I have great passion for flight. I hold a "ULM class Aircraft" (model Evektor EV-97) and I have an Italian Flight Sport License. I usually spend one hour/week flying around North Italy. I manage the maintenance issues related to my aircraft. I cooperate with a flying school as a ground instructor.
- **Motors:** I hold three go-karts which I use to drive on race circuits. Thanks to them I gathered good manuals capabilities in engine preparations and maintenance. I restored vintage motorcycles working both on the body and on the engine.
- **Travels:** I own a Recreational Vehicle and I spend some of my week-ends travelling with my family around Europe looking for new and particular places to relax.
- **Sport:** in past I practiced swim at agonistic level. At present I keep myself fit by day by day short runs and gym in my home.
- **Do-it-yourself Hobbies:** I have deep passion for my house. I take care of every technical detail both of the building and of the interiors.

ACADEMICS, QUALIFICATIONS AND TRAINING

1999	Engineering Aerospace degree “Politecnico di Milano” Italy
2000 to 2001	Training after graduation carried out in “ Carlo Gavazzi Space S.p.A. ”. I practiced design activities in the “Mechanical & Thermal” analysis department. Training in “ Dallara automobili s.r.l. ” focused on the development of a measurement system of aerodynamic loads generated on the forward racing car wing in wind tunnel (thesis). Military Service Carried out in the “5° Battaglione Genio Guastatori Paracadutisti Bolsena” in Legnago (VR).
2005 to 2006	Rotary wing flight test engineering formal education “National Test Pilot School” Mojave California USA. Formal Flight Testing education to obtain the Experimental Flight test Engineer license formally issued by ENAC . The license fulfills the EASA requirements for CAT 1 experimental test flights.
2004 to 2018	Participation to several independent Technical courses: <ul style="list-style-type: none">• Performance Base Navigation (22/03/2018)• AW DOA & EASA Part 21 Training, review (AW) 11/2016)• AW DOA & EASA Part 21 Training (AW) 14/10/2014)• Crew Resource Management (AW training academy) 22/11/2010• Radar and Electric Warfare (National Test Pilot School) 29/04/2008• Electro Optic and Infrared System (National Test Pilot School) 04/04/2008• Avionic System Flight Test Course (IBIS Aerosystem training Ltd) 12/06/2006• Airfield Performance (AW training academy) 13/06/2005• Helicopter Rotor Track & Balance Operations (Rotodyne Ltd) 08/04/2005• Aviation Legislation (AW training academy) 18/02/2005• Human Factors (AW training academy) 19/11/2004
2003 to 2022	Participation to the following “continuous formation” courses for flight operations safety: <ul style="list-style-type: none">• Formation for Forced ditching (Helo Dunker, Italian Navy)• Formation to “Survival in Mountain environment” (Italian Army/Air Force)• Formation to first medical assistance (AW Training Academy)• Formation for emergency parachute operations (Italian Army)• Formation to fire fighting operations in flight line (AW Training Academy)
2006 to 2022	Participation to several independent Managerial workshop & courses: <ul style="list-style-type: none">• Engineering Next (LHD 01-06/2022)• Team Coaching (Infinity consulting 11-12/2018)• Change in managements -60 hrs- (LHD 11/2016 – 01/2017)• Effective communication (Infinity consulting 13/02/14)• Creative Problem Solving (SILCA consulting) 28/05/2013• Manage of complexities (BEFORE) 06/07/2012• Negotiations techniques (SILCA consulting) 06/06/2012• Problem Solving (PLEXUS corporation) 19/10/2011• Process Approach (PLEXUS corporation) 18/07/2011• New Skill (ADECCO Training) 18/05/2011• Cross Skill (AW training academy) 05/10/2006