

Curriculum Vitae

1. General Data

Emanuele Merlo

Born in Milano 22-01-1961

2. Actual Position

Leonardo Aircraft Division, SVP Trainers & Integrated Training Systems New Initiatives.

Executive since May 2005

3. Management Experience

More than 40 years of high management and technical experience into military aeronautical global market, collaborating with international partners and suppliers in strategic business development for the most advanced training aircraft portfolio and leading integrated training systems.

Management experience includes competitiveness analysis and strategy planning, commercial campaigns, new business development and technical management up to products and services qualification and certification.

Well known Countries and markets ranges from whole Europe, North America, South America, Middle East (especially UAE and Israel), Nigeria, India, Singapore and Taiwan. For all the mentioned areas, matured deep relations, knowledge and understanding with military and industrial organizations.

Initially, aerodynamic designer of M-346 with high experience in design and testing up to qualification and certification; holder of the M-346 aerodynamic design international patent and several patents on aircraft design and acoustics.

Former head of trainers and integrated training systems Line of Business of Leonardo Aircraft Division, including SF-260, MB-339, M-345 and M-346, ground based systems, simulators and Live Virtual Constructive environment.

Solid experience though decades within international working groups as, among others, Italian industrial representative in AEJPT (Euro-Training) pre-Feasibility Study (1999-2001) and AEJPT Feasibility Study (2002-2004), and other international initiatives.

4. Work Experience

- Since July 2023. Senior Vice President Trainers & Integrated Training Systems New Initiatives
- May 2019 - June 2023. Senior Vice President Trainers Line of Business
- February 2016 - April 2019. Head of M-345 Program
- January 2012 – January 2016. Head of Alenia Aermacchi Training and Simulation
- February 2007 – December 2011. VP of Flight Technology, Advanced Design, Research and Innovation, Integrated Training Systems and Integrated Logistics Support in Alenia Aermacchi Technical Directorate

- June 2006 - January 2007. Manager of Flight Technology and Advanced Design in Alenia Aermacchi Technical Directorate
- January 2005 - May 2006. Manager of Flight Technology and Integrated Training System in Aermacchi M-346 Advanced Jet Trainer Program
- 2000 – 2010. Aermacchi representatives in Eurotraining (AEJPT) Expert Working Group and Strategic Working Group for Pre-Feasibility and Feasibility Study
- 2000 - 2004. Responsible of Aeromechanics Department for M-346 Advanced Jet Trainer, Aermacchi
- 1997 - 1999. Aerodynamic Design and Flight Mechanics Specialist in Aerodynamic Office, Aermacchi
- 1990 - 1997. Preliminary Design Specialist in Preliminary Design Office in Aermacchi
- 1986 - 1990. Preliminary Design Specialist in Aermacchi Advanced Study Direction
- From 1982 - 1986. Structural Loads Specialists in SIAI-Marchetti Technical Direction (FAR-23 Certification Activities for SF260D, S211, SF600).

Other Information (Congress presentation/papers, Rewards etc.)

- November 2020. Military Flight Training Congress - *'Leonardo Aircraft Division vision towards new challenges in Military Pilot Training'*
- March 2019. Military Flight Training Congress *'Industrial Panel on Live-Virtual-Constructive'*, London
- June 2017. M-345 Press Conference Le Bourget, Paris
- June 2017. Military Flight Training Eastern Europe Congress – *'M-345 ITS: The Leonardo's answer to Modern Basic-Advanced Military Pilots Training Needs'*, Prague
- March 2017. Military Flight Training Congress – *'Fully Integrated Advanced Training System (including GBTS and LVC) Versus Legacy Solutions: It's All in the Data'*, London
- February 2014. International Advanced Training Symposium – *'M-346 ITS, ETTS and LVC filling the gap towards New Generation Combat Aircraft Training'*, Abu Dhabi
- November 2013. European Advanced Training Symposium – *'ETTS and LVC Technologies: Are those the unique frontier toward new generation combat aircraft pilot training?'*, Rome
- February 2013. Military Flight Training Congress – *'M-346 ITS: A Teaching/Cost Effective Reality providing LVC within a Distributed Mission Operations environment'*, London
- September 2012. The 5th Future Military Pilot Training Conference – *'M-346 Integrated Training System: The response to the new generation combat aircraft training challenge'*, ILA Berlin
- September 2012. *'M-346 Integrated Training System: The response to the new generation combat aircraft training challenge'*, Kielce Air Show (Poland)
- July 2012. Finmeccanica Technical Seminar – *'M-346 Advanced Training Services'*, Farnborough Air Show
- November 2010. From Technology to Values - Managerial Seminar, Civita Castellana

- October 2010. Varese Comunica Congress – *'La nuova Tecnologia Digitale alla base della Comunicazione Tecnologica e di Integrazione'*, Varese
- June 2010. The 4th Future Military Pilot Training Conference – *'Advanced European Jet Pilot Training: A challenge for Europe, The Alenia Aermacchi / EADS joint response'*, ILA Berlin
- June 2010. Turin Congress – *'Le nuove tecnologie aerospaziali. Avionica e Sistemi di Addestramento'*, Turin
- February 2008. Singapore Airshow Congress – *'M-346 Aerodynamic Design: A cost-effective solution towards New Training Needs'*
- February 2008. Singapore Airshow Congress – *'Acoustic Liners design and integration'*
- November 2005. Museo della Scienza e della Tecnologia, Milano – *'Sulle spalle dei giganti – Le frontiere della tecnologia aeronautica, dai super caccia di oggi ai caccia senza pilota di domani'*
- 2002 – 2004. EuroTraining – Aermacchi representative within G5 Study Management Team Feasibility Study (Aermacchi, Dassault-Aviation, EADS-CASA, EADS-D, Saab + 12 European Air Forces)
- August 2001 – The 19th International Congress on Instrumentation in Aerospace Simulation Facilities (ICIASF) – *'360° Pressure Sensitive Paint Measurement in Transonic Flow'*, Cleveland, Ohio
- 1999 -2001 - EuroTraining – Aermacchi representative within G6 Expert Working Group Pre-Feasibility Study (Aermacchi, BAE System, Dassault-Aviation, EADS-CASA, EADS-D, Saab + 17 European Air Forces)
- 1992 – 1994. AGARD – Italian Industry Representative within AGARD Fluid Dynamic Panel WG17 *'Aerodynamic of 3D aircraft Afterbodies'*
- 1991 – 1993. AGARD – Specialist participation to AGARD Flight Mechanics Panel WG19 *'Operational Agility – Design for Airframe Agility'*
- October 1989. The 10th AIDAA (Associazione Italiana di Aeronautica ed Astronautica (AIDAA) Congress – *'Un metodo di stima ed ottimizzazione della resistenza indotta di velivoli di alte prestazioni, dotati di dispositivi di manovra automatici'*, Pisa

International Patents

- Aircraft with Improved Aerodynamic Performance. Application Nr 20140070056. Issued March 2014
- *Equipment for the Reduction of Radar Marking for Aircraft*. Application Nr 20140077987. Issued March 2014
- *Element for sound absorption mounted on aircraft components*. Issued June 2013

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