

PERSONAL INFORMATION

Raffaele Di Stefano



Sex male

PREFERRED JOB

Space or Mechanical System Program Manager / International Project Team Leader

from 2015 to 2021

Import-Export responsible activities coordination and AVIO AEO certification

Head of the Import-Export office, obtaining the company AEO certification (Authorized Economic Operator) and relations with customs for compliance with the Union Customs Code (UCC). Drafting of the shipping process procedures. Coordination of freight forwarders and customs officers

Retired from 1st December 2021

from 2012 to 2015

Logistic responsible and mechanical and electrical team Vega Launcher coordinator

- *AVIO activities coordination for Vega Launcher Assembling and Logistic responsible*
- *AVIO activities coordination and Logistic organization finalization in the launch campaign during the 2nd and 3rd VEGA Launch from CSG in 2013 and 2014*

Business or sector AVIO S.p.A. Space company

from 2007 to 2012

Launcher Production responsible

- *ELV Launcher Production responsible: Sub-Contractors resources management during VEGA Launch Vehicle Campaign in the "Centre Spatial Guyana"*
- *in Guyana CSG responsible of integration and tests on the launch pad of the Launch inert model (starting on January 2011, end in April). I managed all contacts with all companies (AE, APAVE, MT Aerospace, ENDEL, TSO, Air-Liquid, ...) and agency CNES to guarantee their involvement and organization services until the first qualification flight (February 2012).*
- *Starting from 2007 for about 3 months per year I stayed in CSG to prepare and contact all the Sub-contractors to agree their participation to the Inert Launch Vehicle integration for procedure validation and obviously the 1st flight campaign*

Business or sector ELV S.p.A. (shareholders: 70% AVIO- 30% ASI)

from 2001 to 2007

AIT responsible at stage and LV level

- *Member of the Assembling Integration and Test of the Systems team of VEGA LV*
- *Responsible of Manufacturing Assembling Integration and Test at stage and VEGA Launch Vehicle level for Vibration , acoustic, separation and Modal test. The Vibration and Acoustic tests of 4th Stage and pay-load stage were performed in the ESA ESTEC test centre (Netherland) for a duration of six months. The separation test was done at CASA Espacio – Madrid (Spain) for a duration of three months and the Modal test at Launch Vehicle test was performed in IABG test centre in Monaco (Germany): contribute to issue the tests WP (Work Packages) for the contract with the tests facilities, to contact the facilities and verify all the feasibility of handling operations for test sample integration, to verify the facility performance and environment according to test requirements, to plan and manage the tests time schedule with the test facility responsible, to plan and manage all the logistic transfers in Europa.*

Business or sector ELV S.p.A. (shareholders: 70% AVIO- 30% ASI)

from 1997 to 2001

3rd stage TVC technical responsible

- *VEGA K0 L LV Program: Technical Responsible of the TVC for the liquid motor "RD861G" on 3rd Stage;*
- *MATLAB Hydraulic actuator model develop and validation*
- *Hydraulic actuator specification redaction*
- *Member of the System Team of Cyclone 4 LV and of VEGA*

Business or sector AVIO S.p.A. Space company

from 1994- to 1997

Missile TVC technical responsible

- *Technical Responsible of the missile ASTER 30 TVC. Coordinator of technical team for the development, pre-qualification and qualification phases.*
- *Technical focal point of the actuation sub-system components suppliers.*
- *Components procurement specification approval from TVC sub-contractor Magnaghi MI (ITALY),*
- *Test acceptance test in Magnaghi facilities*
- *Design and procurement of the ground tools for TVC tests in AVIO laboratory;*
- *Tests in laboratory and TVC characterization: step response, frequency response,*
- *Technical Responsible of the TVC integration for the missile flight model*

Business or sector AVIO S.p.A. Space company

from 1992 – to 1994

Laboratory tests conductor responsible

- *Technical Responsible of the ground firing tests of a Low Power Arc jet for satellite propulsion systems;*
- *Test set-up definition and preparation in vacuum chamber at space level;*
- *Test data elaboration and report issuing;*
- *Test report and IEPC publications redaction*

Business or sector AVIO S.p.A. Space company

from 1988- to 1992

TVC technical and tests responsible

- Thrust Vector Control (TVC) Designer for “A4M” solid motor and hydraulic actuation system technical specification redaction (Blow down approach: gas tank , gas regulator, oil accumulators and actuators);
- Components procurement specification approval from TVC sub-contractor MOOG USA (Buffalo),
- Test acceptance test in MOOG USA facilities
- Design and procurement of the ground tools for TVC tests in BPD laboratory;
- Tests in laboratory and characterization: step response, frequency response,...
- - Technical Responsible and co-ordinator of the TVC integration for the flight model “XSB3” in Sardegna (Italy).

Business or sector BPD S.p.A. Space company

from 1987- to 1988

Homologation and tests responsible

- Designer and homologation responsible from the ITALY Post Office Ministry of a pressurization machine for radar antennas.
- Vibration and shock tests conduction,
- Temperature and Humidity tests conduction,
- Performance tests verification and acceptance,

Business or sector CIBRED s.r.l.

from 1986- to 1987

- Thrust Vector Control (TVC) Designer for “C1” solid motor and actuation system technical specification redaction.
- Laboratory cold test bench design for TVC development,
- TVC Components procurement specification:
- Tests conduction on cold test bench: ramp, step, frequency responses
- Motor firing tests on ground test bench.

Business or sector BPD S.p.A. Space company

EDUCATION AND TRAINING

From 1977 – to 1985

Master of Science in Mechanical Engineering, final mark 110/110

PERSONAL SKILLS

Mother tongue(s) Italian

Other language(s)

	UNDERSTANDING		SPEAKING		WRITING
	Listening	Reading	Spoken interaction	Spoken production	
English	INDEPENDENT USER	INDEPENDENT USER	INDEPENDENT USER	INDEPENDENT USER	INDEPENDENT USER
France	: BASIC USER	: BASIC USER	: BASIC USER	: BASIC USER	: BASIC USER

Levels: A1/2: Basic user - B1/2: Independent user - C1/2 Proficient user
Common European Framework of Reference for Languages

Communication skills	Good communication skills gained through my experience as system tests manager cooperating with Dutch, Swiss, German, French, Spanish people.
Organisational / managerial skills	Capacity to manage a technical team gained during Stage and LV System tests as responsible of AIT Test
Computer skills	Good knowledge of Microsoft Office™ tools
Other skills	Experience in design of hydraulic mechanism
Driving licence	Driving licence category C

ADDITIONAL INFORMATION**Publications****PUBLICATIONS:**

IEPC-93-251- Operation of a Brassboard PCU with a Low Power Arcjet

IEPC-93-012- Low Power Arcjet System Description

IEPC-93-082- Performance Testing of a 1kW Arcjet Using Hydrazine

AIAA-94-3008- A Review of Low Power Arcjet PCU development and testing

Personal interests

Reading, go-karting, photography, mountain bike.

Questo curriculum è stato redatto (senza dati sensibili) “ai fini della pubblicazione” e in modo da garantire la conformità del medesimo a quanto prescritto dall’art. 4 del Codice in materia di protezione dei dati personali e dall’art. 26 del D. Lgs. 14 marzo 2013, n. 33.

Data e Firma

Roma 01/08/2023



ANNEXES

- testimonial of employment or work placement;
- signed by: ESA Director Launcher - Antonio Fabrizi and ESA Program Manager – Stefano Bianchi.



- Achievement of the professional qualification referred to in Article 27, paragraph 1 letter b of the RE (UE) 2447 – 2015, (Communication of the Customs and Monopolies Agency of 5 December 2017), through the Advanced Training Course in "Customs Law" - academic year 2016 / 2017- at the Faculty of the "LA SAPIENZA" University of Rome and the National Council of Customs Freight Forwarders





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