

PERSONAL INFORMATION

Victor Rodrigo

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PERSONAL STATEMENT

Managing Director of high technology company within International programs and organizations.

WORK EXPERIENCE

1 Apr 2016–Present

Senior expert Electrolysers and Fuel Cells applications for mobility, energy storage and Space.

H2B2 Electrolysis Technologies (formerly Abengoa Hidrogeno), Sevilla (Spain)

Development of high power hydrogen production Electrolyzers for industry, mobility, energy storage applications and environmental friendly production for Space Launchers (Ariane 5/6)

Regenerative Fuel Cells Systems (RFCS) for Telecom Satellites advanced energy storage systems.

Electrolysis Propulsion Systems for spacecraft small propulsion.

1 Sep 2017–31 Dec 2017

Fusion for Energy 2017 Annual Assessment team member

Fusion for Energy, Barcelona (Spain)

1 Sep 2016–31 Dec 2016

Fusion for Energy 2016 Annual Assessment team member

Fusion for Energy, Barcelona (Spain)

6 Jul 2016–20 Jul 2016

Ariane 6 VEGA P120 Program Implementation Review Independent Panel Team Member

European Space Agency, Paris (France)

Intermediate programmatic, technical, financial and exploitation Ariane 6 and VEGA P120 review, evaluating degree of technical, programmatic and economic accomplishment with reference to Prime Contractor commitments ASL (Airbus Safran Launchers).

1 Jan 2016–Present

Fusion for Energy Procurement and Contracts Committee member

Fusion for Energy, Barcelona (Spain)

2010–2016

Expert Consultant and Advisor

Professional Independent, Madrid (Spain)

2010 INTA Strategic Plan Evaluation of the Avionics and Space Departments

2011-2016 Abengoa Hidrogeno Business and Engineering Advisor

2011-2016 Abeinsa Business and Engineering Advisor

2015 FAES Assessment for the Spanish Space Program

2001–2010

CRISA CEO Sole Administrator (Madrid)

Owner: Astrium, Munich (Germany)

CEO of CRISA

In this period, CRISA growth from 250 people 20 M€ turnover to 430 people 45 M€ turnover.

More than 350 space projects participation in almost all ESA Science, Exploration, Telecommunications, Earth Observation, Space Station and ATV (Automatic rendez vous and docking formater/deformater critical safety electronic unit) and Launchers (Ariane 5/6 and VEGA) programs at equipment/subsystem level projects won in competition.

Within Spanish Space Program collaboration with JPL/NASA Alpha Magnetic Spectrometer (AMS) and Curiosity Mars Mission Rover developing REMS Environmental 5 Instruments package (Ultraviolet detector, ground temperature and pressure, atmosphere temperature (CO₂) and three dimensional wind speed in Mars, within 1,5 Kg mass).

More than 850 flight Power Electronics and Data Handling units were delivered by CRISA since 1990 with no one failure.

June 2010, retired by Airbus Space with honors.

2008–2010 Astrium Subsystems and Equipment (AS) Board Member

Owner: Astrium (Subsystems and Equipment (AS) Division), Munich (Germany)

AS Board has to give directives to AS organization (2.500 people, 4 countries) evaluating achievements and results by monthly meetings. Decisions were taken by the Board on customers/internal operational Astrium divisions strategies, new technologies to be afforded, collaborations or subcontracting policies.

1987–2000 CRISA General Manager (Madrid)

Owner: Abengoa SA and MATRA Space (Astrium), Madrid (Spain)

CEO of Crisa for develop Space Electronics in Spain.

The company CRISA has been developed within the european space electronic sector, setting up the necessary technologies and manufacturing means needed to comply with the committed projects won in competition. In this period CRISA growth from 25 to 250 people.

1985–1987 CRISA General Manager

Owner: Abengoa SA, Madrid (Spain)

In this period, various ESA proposals were won, among them in 1987 Ariane 5 Sequential Electronics proposal which consolidated CRISA's business in Space for more than 30 years.

1983–1985 CRISA (Madrid) Space Department Manager

Owner: Christian Rovsing, Copenhagen (Denmark)

To initiate space activities in CRISA, Spanish subsidiary of Christian Rovsing Denmark. (To make proposals and run projects)

Proposal, Project and Technical Manager of Hipparcos Satellite Thermo Structural Models and ERS-1 satellite Advanced Microwave Instrument High Power Amplifier Electrical Ground Support Equipment (AMI HPA EGSE).

1981–1983 INTA Space Programs Manager

INTA, Torrejon de Ardoz (Madrid) (Spain)

Proposals and Project Manager of INTA participation on manned Spacelab (Lighting System follow-on), Olympus Telecom Satellite (Power System Regulator, Pyro Units, antennas and Open field Payload Testing) and Hipparcos Satellite electronic units.

1979–1981 Missiles Integration and Flight Test Engineer

INTA, Torrejon de Ardoz (Madrid) (Spain)

Engineer Responsible for the integration capabilities of air to air missiles Sidewinder, Matra 530 and

Sparrow on Spanish fighters Northrop F5, Mirage F1, Mirage III and Phantom F4.

Fighters modifications designer and Flight Test engineer for the integration of Sidewinder AIM-J air-to-air missile on Spanish Air Force Northrop F5 and Mirage F1.

Training courses to Spanish Fighter pilots on Sidewinder operations and dog-fight airplane combat maneuvers and strategies.

1975–1979 Air to Air Missiles Upgrading and Maintenance

National Institute for Aerospace Technology (INTA), Torrejon de Ardoz (Spain)

Under control of Ford Aerospace Aeronutronics Division (Newport Beech, Cal, formerly Philco), it was set up a depot for Sidewinder missile upgrading and maintenance. French missile Matra 530 and American Sparrow were incorporated in the facility for maintenance.

In 1977 I was appointed Facility Manager (70 people)

EDUCATION AND TRAINING

1967–1973 Aeronautical Engineer

Polytechnic University of Madrid, Madrid (Spain)

1973–1974 Military Service

Spanish Air Force Lieutenant

Responsible of the Instrumental flight multi-engines simulator and training courses on Instrumental Flight Navigation (IFR) in Matacan (Salamanca) Spanish Air Force Base training center.

1975–1979 Ph.D. Aeronautical Engineering

Sobresaliente "Cum Laudae" and Extraordinary Annual Award

Politechnic University of Madrid, Madrid (Spain)

1997–1998 Master in Business Administration PADE

IESE- Business School, University of Navarra, Madrid (Spain)

PERSONAL SKILLS

Mother tongue(s) Spanish

Other language(s)

	UNDERSTANDING		SPEAKING		WRITING
	Listening	Reading	Spoken interaction	Spoken production	
English	C1	C1	C1	C1	C1
French	C1	C1	C1	C1	B2

Levels: A1 and A2: Basic user - B1 and B2: Independent user - C1 and C2: Proficient user
 Common European Framework of Reference for Languages

Communication skills Very good communications Skills

Frequently interviewed in Spanish and foreign radio broadcast and TV stations.

Long time contributor to Spanish newspapers on relevant Space and Scientific related news.

Organisational / managerial skills

Responsible during 27 years of CRISA's strategy and organization's growth, adapting the company to very different owners conditions and customers demands. Company growth from 2 to 430 people on

Space Electronics. Strict management and economic control, provided shareholders growth, profits and dividends every year. Positive treasury permanently (6 M€) never needed a loan or credit to run the company. With 2 M€ Shareholders Capital, generated own resources to construct 3 buildings with space qualified manufacturing and testing means, accumulating reserves for 14 M€.

Job-related skills

Deep knowledge and experience on space programs, negotiation, proposals preparation, evaluation, risks analysis on technical, programatic and financial contents.

Strong financial knowledge and experience running a space engineering company.

Wide experience in International hi-tech programs within different organizations:

- Public organization (INTA) as civil servant
- Mid size International company (Christian Rovsing, Denmark)
- Big Spanish International company (Abengoa)
- Very big International company (Airbus)

Experience to deal with the Administration and International Space organizations: Spanish CDTI, ESA, NASA, CNES, EU, etc.

Large experience to deal with European and North America space companies.

Digital skills

SELF-ASSESSMENT				
Information processing	Communication	Content creation	Safety	Problem solving
Proficient user	Proficient user	Basic user	Basic user	Basic user

Digital skills - Self-assessment grid