

PERSONAL INFORMATION



Julio A. Monreal Hajar

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 Personal: j.monreal@orange.fr / Professional: julio.monreal@esa.int

Sex Male | Date of birth 02/06/1955 | Nationality Spanish

PREFERRED JOB

International Project Management

WORK EXPERIENCE

01/05/2016–Present

Deputy Project Manager - Ariane 6 Launch System Architect

European Space Agency - Space Transportation
8-10 rue Mario Nikis, F-75015 Paris (France)

Support to project management, risks management, contracting process for technical assistance and launch system tests, assessment of co-activity between Ariane 5 and Ariane 6 launch systems.

Achievements:

Implementation of best practices on Project Risks Management.

Business or sector Space technologies & applications

01/08/2006–30/04/2016

Project Manager - Ariane 5 Operational Launch System

European Space Agency - Launchers
8-10 rue Mario Nikis, F-75015 Paris (France)

Ariane 5 launch system qualification status monitoring, verification and maintenance; sustaining engineering.

Achievements:

- Successful setup of integrated project teams between ESA and several National Space Agencies;
- Definition of rules and Tools for an efficient implementation of the Ariane 5 Qualification Monitoring and Verification activities;
- Implementation of best practices on Project Control and Configuration Control;
- Contribution to the successful and on-time launch record of the European launch system Ariane 5

Business or sector Space technologies & applications

01/03/2003–31/07/2006

Head of Operations Support - Ariane 5 launch system

European Space Agency - Launchers
8-10 rue Mario Nikis, F-75015 Paris (France)

Ariane 5 launch system operations; support to institutional spacecraft projects; ground infrastructures.

Achievements:

Definition of the process for the followup and reporting on the launch campaigns reviews and launch results.

Business or sector Space technologies & applications

01/06/1998–28/02/2003

Senior System Engineer

European Space Agency - Human Space Flight and Exploration

Keplerlaan 1, NL-2201 AZ Noordwijk (Netherlands)

Design and verification of interfaces between the Automated Transfer Vehicle (ATV) and Ariane 5 launch system; ATV vehicle propulsion subsystem.

Achievements:

Review and modification of the Ariane 5 launcher Baseline configuration for the ATV specific mission to ensure a safe and reliable low orbit injection.

Business or sector Space technologies & applications

01/06/1993–31/05/1998

Operations Manager - Ariane launch range

CNES - Guiana Space Centre (Europe's Spaceport)
97387 Kourou (French Guiana)

Launch range operations coordination; support to spacecraft preparation; range systems coordination for Ariane launches.

Achievements:

- Definition of the interfaces between the launch range and the new Ariane 5 launch system;
- Launch Range Operations Director (DDO) for six Ariane launches including the 2nd Ariane 5 qualification launch;
- Contribution to the definition of the general layout and specification of the new payload processing facilities for the ATV and spacecraft constellations.

Business or sector Space technologies & applications (Launch operations)

01/03/1989–31/05/1993

Project Engineer - Payload / Launcher interfaces

European Space Agency - Space Transportation Systems
8-10 rue Mario Nikis, F-75015 Paris (France)

Specification and verification of interfaces between ESA's spacecraft and Ariane launch systems.

Achievements:

Specification and verification of payloads interfaces for Ariane 5 qualification flights.

Business or sector Space technologies & applications

01/10/1984–28/02/1989

Technical Manager (Also: Consultant Engineer for the IFP)

SKF Española S.A.
Avda. de Manóteras, 20, E-28050 Madrid (Spain)

Product Engineering & Quality Assurance; technical coordination with SKF companies worldwide.

Achievements:

- Upgrading of technical means and processes:
 - > for design (CAD implementation) and
 - > for testing (computer controlled test benches implementation).

Business or sector Design and manufacturing of bearings

01/10/1982–30/09/1984

Research Engineer

Institut Français du Pétrole
1-4 av. de Bois-Préau, F-92506 Rueil Malmaison (France)

Development of Laser diagnostics applied to internal combustion engines research.

Achievements:

Design, assembly, verification and operation of the first test bench in Europe for aerodynamic measurements in the combustion chamber of an internal combustion engine.

Business or sector Research on energy, transport and environment

EDUCATION AND TRAINING

01/01/1980–30/09/1982

PhD in Energy

EQF level 8

Faculté des Sciences et Techniques de Saint-Jérôme (Université d'Aix-Marseille III), Marseille (France)

Overall energy physical Fundamentals and technologies; combustion stability studies using Laser diagnostics(Laser Velocimetry & Tomography).

DoctoralLecture: "Gas-Flame Front velocities correlation on a slightly turbulent premixed flame"

01/09/1972–09/03/1979

Aeronautical Engineer; PhD in Aeronautics (1983)

EQF level 7

Escuela Técnica Superior de Ingenieros Aeronáuticos, Madrid (Spain)

Mechanics & fluid mechanics, thermodynamics, aerodynamics, aircraft and spacecraft design, production processes, business management.

End studies project: "Landing on the Moon using a bipropellant hypergolic propulsion system".

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	C2	C2	C2	C2	C1

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

- Team spirit;
- Ability to adapt to multicultural environments, gained through my work experience abroad;
- Communication and management skills, gained through training and through my experience in management.

Organisational / managerial skills

- Team leadership;
- Sense of organisation and coordination;
- Wide experience in programme/project management, project control, configuration control and risks management.

Job-related skills

- Good command of technical matters at system level (i.e.: complex systems development & qualification, mechanical dynamics, thermodynamics, cryotechnics, signal processing, operations);
- Expertise on project Risks Management and on large procurements and contract processes;
- Experience in Quality Assurance and Safety standards through my work experience and training (i.e.: involved in ISO 9001 exercises, implementation of design and operations safety standards).

Digital skills

- Good command of "Microsoft Office" tools

Other skills

- Aircraft private pilot;
- Scuba diving;
- Trekking;

ADDITIONAL INFORMATION

- Seminars**
- Advanced Leadership programme (3+3 days training). ESA Internal University / Mannaz, Sep & Dec 2014, Koln (Germany),
 - Seminar on IPSAS Accounting for Managers (1dayseminar): "PwC", Oct 2013, Paris (France);
 - Seminar on European Union Institutions and space policy (1dayseminar): "PACT", Sep 2013, Paris (France);
 - Trainings on leadership development and management:
 - > Leading Change (2 days training): "Oxford Group", June 2010, Brussels (Belgium);
 - > Leadership Development – Managing Self & Others (2+2 days training): "Oxford Group", May & July 2005, Brussels (Belgium);
 - > Fundamentals of People Management (1weektraining): "Management Centre Europe", October 2003, Brussels (Belgium);
 - Designing Cost-Effective Space Missions (1 week training): "ESA/ESTEC", February 2000, Noordwijk (The Netherlands).
 - Training on Cryotechnic Fluids (1 week training): "Air Liquide", December 1996, Kourou (French Guiana).
- Publications**
- Monreal J, Tolker-Nielsen T,
"Ariane5 Operational Launch System Project", European Project Management Forum – DLR, Cologne, Germany, July 2013
- Chemoul B, LeStrat D, Tolker-Nielsen T, Monreal J,
"Ariane5 flight worthiness validation by the independent qualification authority", 59th International Astronautical Congress - Glasgow, Scotland, United Kingdom, October 2008
- Monreal J, Laine R, Amadieu P,
"ATV re-entry and potential return capabilities", 3rd International Symposium Atmospheric Re-entry Vehicles and Systems - AAAF, Arcachon, France, March 2003
- Baritaud T, Trapy J, Monreal J,
"Effects of swirl and combustion on the fluid motion in an I.C. engine", 3th International Symposium on Applications of Laser Anemometry to Fluid Mechanics - Lisbon, Portugal, July 1986.
- Searby G, Sabathier F, Monreal J, Clavin P, Boyer L,
"The feed-back of a flame front on turbulent flows", 9th International Colloquium on Combustion and Reactive Systems - Poitiers, France, 1983.
- Searby G, Monreal J, Clavin P, Boyer L,
"Experimental study of velocity correlations gas-front in a weakly turbulent premixed flame", Société Française de Physique - Clermont-Ferrand, France, 1981.
- Appointments**
- Since March 2014: Appointed expert member of the Procurement and Contracts Committee (former Executive Committee) of the European Union Joint Undertaking for ITER and the Development of Fusion Energy (F4E).
- Memberships**
- Member of the American Institute of Aeronautics and Astronautics (AIAA).
Member of SpaceOps international organisation.