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EDUCATION

Parks College of Engineering, Aviation and Technology – Saint Louis University, St. Louis, MO, USA

Bachelor of Science in Aerospace Engineering (May 2002)

Master of Science (Research) in Aerospace Engineering (May 2004)

Thesis title: "Analysis and Wind Tunnel Tests of a Rhomboid Joined-Wing Model"

Thesis work: Design, build and test a rhomboid wing flutter

Minor: Computer Science, Mathematics

Technical Classes: Structures I & II, Aerodynamics, Composite Materials, Airports Construction

Master in Renewable Energies (by IMF, Madrid Campus – Jan to Dec 2006) – 720 hours

Final Project: "Biomimetic for Air Transportation"

Health & Safety Course for Construction (by IMF, Madrid Campus – Jan to Jun 2008) – 200 hours

Construction Management Lessons to prepare PMP Exam – 120 hours

AVSEC B2 Certified for Airport Management until 2017

Course on Safety Procedures in Airports (ASP Ingenieros) – 6 hours

MSc Air Transport and Airport Management (ITAérea) – 520 hours (on-going, finishing Final Project)

Aeronautical Meteorological Observer Course (AEMET) – 10 hours

Course in management of environmental aspects in airports – 16 hours

RELEVANT EXPERIENCE

Manager Airport, Aerodrome and Heliport Department, (January 2010 – Present)

Government of Aragon, Zaragoza, SPAIN

- Supervise, control and monitoring all projects in airports, aerodromes and heliports infrastructures of the Aragon region in Spain.
- Aeronautical specialist advisor reporting to General Director of Public and Civil Works.
- Aviation representative of the Region at official events and meetings (national and international)
- **Project Management** to develop, build and open the new Airport of Teruel (LETL) (ARAGON-SPAIN)

Manager Airport Department, (May 2007 – December 2009)

INCOSA (Investigación y Control de Calidad S.A.), Madrid, SPAIN

- Define, elaborate and submit all airport tenders to Spanish Airworthiness Authorities (AENA).
- Monitoring & Controlling airport construction contracts as Project Management during execution and closing. Stakeholder management, cost&control and Value Management during works.

Manager Technical Office Flight Operations, (July 2006 – May 2007)

AUDELI-CYGNUS AIR (GESTAIR Group), Madrid, SPAIN

- Define and arrange update revisions to the Operations Manual and Minimum Equipment List (MEL) of each type of airplane/fleet for their approval by Civil Aviation Authorities.
- Coordinate and complete the Operational Approvals (BRNAV, MNPS, RNP10, CAT II/III)

Engineering Consultant for AIRBUS Project A380, (May 2004 – June 2006)

ABGAM-GAMESA Desarrollos Aeronauticos S.A., Madrid, SPAIN

- Working in the calculus department using AIRBUS AND GDH software and FEM Analysis
- Develop the certification reports for the Aeronautical Authorities

Teacher Assistant, Saint Louis University, St. Louis, MO USA (August 2002 – June 2004)

- Maintain updated computer hardware & software in labs.
- Perform Aerolab Experiments to students: Supersonic & Subsonic Wind Tunnel
- Structures Lab: Teach test machines and methods, static and dynamics analysis.

Intern (Summer 2001)

AEBAL (Aerolineas de Baleares S.A.) – Spanair Group, Palma de Mallorca, Spain

- Adjunct Assistant in the Planning and Management department
- Developing and implementing the new code JAR-OPS 1 in the Quality Manual.
- Established the Quality System in the airliner.

COMPUTER SKILLS

Software Applications: AutoCAD, MathCAD, MatLab, M. Office, M. Project, Presto, Primavera
Structure Software: CYPECad, Metal 3D. **Electrical Software:** Cypelec, Demelec.

PROFESSIONAL PROJECTS & WORKS PERFORMED

Contract Manager/Planning/Cost&Control Project Management: "PARKING CONSTRUCCIÓN (P2) AND URBANIZATION IN MINORCA AIRPORT (MAH)" - Monitoring & Controlling P2 expansion of Minorca Airport, Balearic Islands (SPAIN) - (IATA: MAH, ICAO: LEMH). Project Management during execution and closing. Stakeholder management, cost&control. *Project Description:* 4 floors reticular concrete building parking for 770 park spaces for private use and 346 park spaces for rent-a-car. Solar system installation for electrical supply on top. Budget: 18 million Euros

Contract Manager/Engineering Support/Consulting for a project analysis and development: "GLOBAL ACTION PLAN FOR REDUCED MOBILITY PEOPLE ALL AENA-NATIONAL NETWORK AIRPORTS OF SPAIN". Main functions: Team Leader to coordinate groups for site analysis and project solutions for the 52 National Airports of Spain. Project Development/Project Planning to adequate and rehabilitate all Airports to new rules and procedures for disable people. Budget: 1,5 million Euros

Contract Manager/Planning/Cost&Control Project Management: "IMPERMEABILIZATION OF CORROSION IN THE CONTROL TOWER OF SANTANDER AIRPORT (SDR)" - Monitoring&Controlling corrosion damages and prevention from sea water on the control tower of Santander Airport (Cantabria - SPAIN (IATA: SDR, ICAO: LEXJ). Project Management during execution and closing. Pathology Analysis Report (Corrosion). Stakeholder management, cost&control. Budget: 4 million Euros

Contract Manager/Planning/Cost&Control Project Management: "COMPLIANCE WITH ICAO AERONAUTICAL TECHNICAL AMEDEMMENTS IN VALLADOLID AIRPORT (VLL)" - Monitoring & Controlling, Project Development and Construction to meet ICAO Annex 14 for Airport Construction in Valladolid Airport (Castilla y Leon - SPAIN (IATA: VLL, ICAO: LEVD). Project Management during execution and closing. Cost&control and planning. Main activities performed on the runway and taxiways of the airport to assure safety operational procedures (Terrain leveling, obstacle analysis, lights, vertical sign, Navigation Systems, electrical and water installations) Budget: 3,5 million Euros

Contract Manager/Planning/Cost&Control Project Management:: "REINFORCEMENT OF RUNWAY PAVIMENT OF SANTIAGO DE COMPOSTELA AIRPORT" - Monitoring & Controlling, Project Development and Construction to meet ICAO Annex 14 on reinforcement runway in Santiago de Compostela Airport (Galicia - SPAIN (IATA: SCQ, ICAO: LEST)). Project Management during execution and closing. Cost&control and planning. Stakeholder Management and Value Management. Main activities: Establish a safety and security procedure/plan to achieve works in airfield area. Quality Assurance/Quality Analysis during new pavement construction. Control replacement runway lights and horizontal marking. Budget: 9,2 million Euros

Contract Manager/Planning/Cost&Control Project Management: "OBSTACLES ELIMINATION ON THE FLIGHT AREA OF MINORCA AIRPORT (MAH)"- Monitoring & Controlling works on flight area (runway, taxi, apron) to meet ICAO Annex 14 Obstacles Allowed in that areas. Minorca Airport, Balearic Islands (SPAIN) - (IATA: MAH, ICAO: LEMH). Project Management during execution and closing. Stakeholder management, cost&control. Main works include (Terrain leveling, obstacle analysis, lights, vertical sign, Navigation Systems, electrical and water installations). Budget: 6,8 million Euros

Contract Manager/Planning/Cost&Control Project Management: "APRON EXTENSION OF CÓRDOBA AIRPORT" Monitoring & Controlling construction new tarmac apron extension to create more parking lots for commercial airplanes at Cordoba Airport (Andalucia - SPAIN (IATA: ODB, ICAO: LEBA). Project Management during execution and closing. Stakeholder management, cost&control. *Project Description:* Construction of new tarmac apron expansion for a capacity of 10 new airplane positions in front of terminal building. Drainage and new installations (electricity, power supply, pneumatic supply, fuel supply) on the apron to assist airplanes. Budget: 5,5 million Euros

Contract Manager/Planning/Cost&Control Project Management: "EXPANSION OF THE TERMINAL BUILDING (ARRIVAL HALL) OF MURCIA/SAN JAVIER AIRPORT"- Monitoring & Controlling construction new Arrival Passangers Hall at Murcia/san Javier Airport (Murcia - SPAIN (IATA: MJV, ICAO: LELC). Project Management during execution and closing. Stakeholder management, cost&control. *Project Description:* Construction of new arrival hall according to Airport regulations. Monitor and define Baggage System. New Electrical Installation. Budget: 4,5 million Euros

Contract Manager/Planning/Cost&Control Project Management: "NEW VIP TERMINAL BUILDING OF VALENCIA AIRPORT" Monitoring & Controlling construction new VIP Building for General Aviation at Valencia Airport (Valencia – SPAIN (IATA: VLC, ICAO: LEVC). Project Management during execution and closing. Stakeholder management, cost&control. *Project Description:* Construction of new VIP Building for General Aviation and Authorities. Monitor and define structural works of the new building. Façade finishing, interiors design, check Electrical, water installations in efficiency and environment friendly. Furnish new VIP terminal. Budget: 6 million Euros

Project Director / Construction Manager "AIRCRAFT HANGAR (7000 M2) (sIze 80 METERS X 80 METERS X 30 METERS HIGH)". Project Management during initial, execution and closing. Planning Control and monitoring. Stakeholder management, Cost&control during project development and during works. *Project Description:* Design and build an Aircraft Hangar (7000 m2) for Maintance at Teruel Airport for a capacity up to B747-400. Metallic structure Hangar covered with sandwich panel. Megadoor type in front of the hangar, exit to apron. Develop and build Fire-fighting installations (NFPA407), electrical, water installations and offices inside. Budget: 8 million Euros

Project Management/Construction Management to develop and open to air traffic the new Airport of Teruel (ARAGON-SPAIN). Teruel Airport is an industrial aeronautical platform that offers the aeronautical industry a new, unique and exclusive space for long-term parking, recycling and maintenance (MRO) of aircrafts. More information: www.aeropuertodeteruel.com. Project Management during execution and closing to meet Annex 14 ICAO Standars. Planning Control and monitoring. Stakeholder management, Cost&control. ORAT Development to open the airport. Budget: 75 million Euros
Description: New runway (2850 x 45 meters), taxiways, apron (4 airplanes positions), terminal building (1000 m2 of offices and restaurant), Fire-fighting building (500 m2), Electrical Power Building, Fuel Installation, Parking Area for up to 400 Airplanes, Drainage and pipeline, new Industrial Area.

Project Director/Project Development "AFIS TOWER CONTROL FOR TERUEL AIRPORT (LETL)". Project Management during initial, execution and closing. Planning Control and monitoring. Stakeholder management, Cost&control during project development and during works. *Project Description:* new control area for AFIS (Airplane Flight Information Service) on the main terminal of Teruel Airport. Budget: 0,5 million Euros

Project Director "AUTOMATIC METEOROLOGYCAL STATION FOR TERUEL AIRPORT" Project Management during initial, execution and closing. Planning Control and monitoring. Stakeholder management, Cost&control during project development and during works. Budget: 0,3 million Euros

Contract Manager "FACILTY MANAGEMENT AND SECURITY SERVICES FOR NEW TERUEL AIRPORT". Develop and build the WBS (work breakdown system) to implement the facility management and security services prior start-up of Teruel Airport. Budget: 1 million Euros

Project Director / Construction Manager "NEW PRIVATE HELIPORT IN PANTICOSA – PYRENEES". Project Management during initial, execution and closing. Planning Control and monitoring. Quality nad site inspection to meet ICAO Annex 14 Part II - Helicopters. *Project Description:* Design and build new platform for take off and landing (TLOF). Electrical Installations. Hangar (1000 m2). Fuel Deposit JET A1 (1000 liters) and subsystems (fuel pump, pipeline), Firefighting protection. Budget: 0,5 million Euros

ACTIVITIES / ORGANIZATIONS

COIAE (Colegio Oficial de Ingenieros Aeronauticos de España) – col. Nº 4035
AIAA (American Institute of Aeronautics & Astronautics) • Secretary 2000 – Present
AECMA (Spanish Association of Project and Construction Management) – www.aecma.es
SAE (Society of Automotive Engineers) • Assisted in aero-design competition 2001, 2002

LANGUAGES

Proficiency level in Spanish and English.