## SECTORS: OIL & GAS, WIND ENERGY, INDUSTRIAL EQUIPMENT, it cad/cae

## EXPERIENCE: 26 years

## Languages: Spanish (native), English, French (basic)

## Nationality: Venezuelan, Spaniard

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## Resumen

Mechanical engineer with solid knowledge and experience, in deep understanding of information technologies and strategic vision.

## SKILLS

### IT/IS/IM AND CAD/CAE SUPPORT

* Optimization, acquisition and maintenance of IT/IS and CAD/CAE technologies
* Technical and economical evaluation for new technologies
* In-house developments
* Design of integrated project management system (Planning and control, Staffing plan, Timesheet, Cost Control, Document control)
* Network, telecommunications and Database understanding.

### ENGINEERING

* 3D Modeling
* Static and dynamic structural Finite Element Analysis
* Fatigue analysis
* Mechanism design and simulation
* General understanding on process and plant disciplines
* Training on CAD and CAE systems

### MANAGERIAL

* Personal supervision for projects and departmental activities
* Project management mechanical engineer and IT/IS projects
* Strategic planning developing new IT/IS/IM infrastructures to improve competitiveness
* Liaising with every level of the organization as well as with clients and providers to successfully reach objectives
* Train and motivate staff
* Construction management for Oil & Gas tanks

### COMPUTATIONAL

* General: SAP, MS Office, MS Project, MS Access
* CAD: Inventor, SolidEdge, Microstation, PDS,
* CAE: Ansys, Nastran, Algor
* Math/Simulation: MathCAD, LabView, iThink, Mathematica
* Programming Languages: VBasic, Fortran, Pascal, C, Objective-C, Swift

## EDUCATION

* 2016 in progress, Johns Hopkins University, USA, Online Curse, Data Science Specialization
* 1983-1989, Univ. Metropolitana, Caracas, Venezuela, Mechanical Engineer
* 1991-1994, Univ. Simón Bolívar, Caracas, Venezuela, Msc. studies on Mechanical Engineer
* 2000-2004, Univ. Metropolitana, Caracas, Venezuela, MBA studies
* 2005-2006, ELISAVA, Escuela Superior de Diseño, Barcelona, Spain, Master of Design and Product Development.
* 2006-2007, Univ. Politécnica de Catalunya, BCN, Spain, PhD studies on Technology Innovation on Product and Process Engineering

## EMPLOYMENT HISTORY

2013 – 2015 TECNORD ([www.tecnord.fr)](http://www.tecnord.fr))

Project Information Manager at TECHNIP France, responsible of planning and implementation of IM infrastructure for an FLNG project including, planning, contractual and SOW definition, execution applications strategy, identification of areas of improvement, technical proposal, preparing specification, developing custom tools and coordination activities with the client, partners, operating centers.

2012 - 2013    Freelance

3D Modeling and FEA services for the manufacturing and Oil & Gas Industries.

2011 - 2012    Felguera I.H.I. ([www.durofelguera.com)](http://www.durofelguera.com))

Field engineer responsible for quality assurance, construction planning and control, valuation and billing, cost control, local sub-contractor administration, on the construction of 13 fuel-oil tank with a total capacity of 180.000 m3

2011 Feb-June Felguera I.H.I. ([www.durofelguera.com)](http://www.durofelguera.com))

Field engineer responsible for closing activities on a construction of four 38.000 m3 fuel tanks for TERQUIMSA, Barcelona, Spain

2008-2011     Felguera I.H.I. ([www.durofelguera.com)](http://www.durofelguera.com))

Field engineer responsible for in-field material control in the construction of two cryogenic 150.000 m3, LNG tanks for ENAGAS, Barcelona, Spain

2007- 2008 Freelance

3D modeling services for a beer cooling equipment fabricator simultaneously with graduate studies on design engineering, Barcelona, Spain

2004 - 2005     OTEPI Consultores, S.A. ([www.otepi.com](http://www.otepi.com/))

Technology Manager responsible for defining, maintaining and developing IT/IS for engineering and production including CAD/CAE tools, project planning, cost control, staff planning, material control, document control. Annual budget of US$ 250.000. Active member of the project control committee reporting instance for all the projects. Caracas, Vzla.

2001-2004 OTEPI Consultores, S.A. ([www.otepi.com](http://www.otepi.com/))

IT/IS Manager responsible for maintaining and developing IT/IS infrastructure for de OTEPI Group including several local and international sites, administrative and production systems. Annual budget US$ 500.000. Reporting personal: 22. Active member of the management committee of the company. Caracas, Vzla.

1997- 2001 OTEPI Consultores, S.A. ([www.otepi.com](http://www.otepi.com/))

CAD/CAE coordinator, responsible for planification, integration and implementation of CAD/CAE systems for the engineering departments. Including PDS implementation infrastructure as a stand alone capacity or jointly with third parties, both client and partners. Caracas, Vzla.

1995-1997 Grupo Abstract ([www.grupoabstract.com](http://www.grupoabstract.com/))

Technology manager and co-founder responsible for engineering services, including 3D modeling, structural Finite element analysis services and training, CAD/CAE/CAM software training, consulting services on CAD/CAE/CAM integration. Caracas, Vzla.

1989-1995 Instituto de Ingeniería ([www.fii.gob.ve](http://www.fii.gob.ve))

R&D professional responsible for developing the area of structural finite element analysis in the design department. Participation in different levels, on several interesting projects, including wind turbines and an innovative combustion engine. Member of the Technical committee. Caracas, Vzla.

