

José Luis Rivas Cortés – LNG Senior Process Engineer

1. PERSONAL DATA

Name:	José Luis Rivas Cortés
Place / date of birth:	Madrid, Spain / 14 th January 1974
Marital status:	Married
Contact:	jlrivasc@repsol.com

2. EDUCATION

Bachelor in Chemistry (Chemical Engineering Specialty), University of Alcalá de Henares (Madrid), Spain, 1992-1997.

3. PROFESSIONAL HISTORY

REPSOL, Spain	1999-Present
ARIES INGENIERÍA Y SISTEMAS, Spain	1998-1999

4. SUMMARY OF EXPERIENCE

Fifteen years process engineering experience working for an Operating Company and with Engineering Contractors. Involved in process engineer roles mainly for Petrochemical and LNG projects. Experience ranges from screening and feasibility studies to front end engineering design studies.

Working for Repsol since May 1999 in its Technology Division. Provide technical assistance and supervision to projects and operating facilities, first related to Petrochemical and later, since 2004, to Natural Gas and LNG processing.

Since June 2008, working as Senior Process Engineer in the LNG Technical Division within the Repsol Managing Division of LNG.

5. CAREER HIGHLIGHTS

▪ REPSOL. May 1999 – to date

January 2004– to date

- **LNG Technical Division. (June 2008 – to date)** Currently involved in Due Diligences, Conceptual & Feasibility Studies and Technical Assistances for the Repsol LNG liquefaction and re-gasification plants and projects, acting as senior process engineer.
- **Technology Division_LNG Programs. (January 2004 – May 2008)** Involved in Due Diligences and Conceptual & Feasibility Studies for LNG liquefaction projects, acting as process engineer.
- **Project Assignments:**
 - ✓ **Canaport Liquefaction Project – Pre-FEED Phase.** Conceptual Study to add liquefaction capacity to an existing Regasification Terminal in Saint John, Canada. LNG Engineering Lead in the company Project Team.

- ✓ **Brazil Floating LNG Project – Pre-FEED and FEED Phase.** Conceptual and Basic engineering project to design a new LNG FPSO unit at Brazil offshore (Santos basin). Process Engineer in the company project organization supervising the work of FEED contractors.
- ✓ **Gassi Touil LNG Project – Pre-FEED and FEED Phase.** Conceptual and Basic engineering project to design a new LNG train at Arzew, Algeria. Process Engineer member of the PMC team representing Repsol. Main duties included supervising the work of the engineering firms and developing the technical bases for different project phases. Assigned to M.W. Kellogg's offices in London during Pre-FEED phase and to KBR's offices in Houston during FEED phase as resident process engineer.
EPC Bid Phase. Process Leader in the company project organization during the EPC bid estimation phase supervising process design optimizations developed by prequalified EPC contractors (Technip and Snamprogetti)
- ✓ **Persian LNG Project – FEED Phase.** Basic engineering project to design two new LNG trains at Tombak, Iran. Assistance as Process Engineer representing Repsol in the technical reviews and HAZOP workshops carried out at main contractor's offices in Yokohama, Japan.
Repsol alternate representative in the Technical Subcomitee of the project.

May 1999 - January 2004

- **Technology Division_Petrochemical Programs.** Process Engineer providing general technical support to different petrochemical business (ACN, MMA, PMMA and EPS) in Spain, Italy and Denmark. Main tasks included development of new processes to be installed, new products, design and modelling work, supervision of conceptual engineering projects and evaluation of technologies.
- **Site Assignments:**
 - ✓ **PMMA plant. Repsol Bronderslev, Denmark.** Technical assistance. Responsible for new process developments to be installed and new products. Involved in process simulation models.
 - ✓ **PMMA plant. Repsol Polivar, Italy.** Participation in the process design for a new prepolymerization plant developing simulation models and design work.
 - ✓ **EPS plant. Polidux, Spain.** Technical assistance in the implantation of new EPS process.
- **ARIES Ingeniería y Sistemas. June 1998 - May 1999**
Process engineer for gas analysis technologies in industrial processes.

6. OTHER RELEVANT INFORMATION

- Process simulation experience using ASPEN PLUS, POLYMER PLUS and HYSYS.
- Languages: Spanish as mother tongue. Fluent in English.