

RESUME

PERSONAL INFORMATION

NAME : FERNANDO VAZQUEZ ZUÑIGA
BIRTHDATE : April, 1973
NATIONALITY : Mexican
EDUCATION : Mechanical Engineering, UAM, Mexico, 1999
LANGUAGES : Intermediate English (CEFR: B1)
OTHER INFORMATION : AutoCAD | Pro/Engineer (Creo) | BricsCAD (CAD)
PV-Elite | Compress (Pressure vessel design)
ASPEN EDR (Heat Exchanger Design)
AMETank (API Tank Design)
Python, JavaScript (programming languages)

COURSES AND UPDATES:

- ASME Code, Section VIII, Division 1 — Hartford Steam Boiler Inspection and Insurance Company
- ASME Code, Section IX — Contract Inspection Services
- Become a Project Manager — LinkedIn Learning
- Microsoft Project Quick Tips — LinkedIn Learning
- Significant Standards Webinar API 650 — APILearning.org
- Fast Track to Pro/Engineer (Creo)— PTC

PROFESSIONAL PROFILE

I have over 23 years of experience in various areas of the industrial sector, with a primary focus on design, fabrication, specification, evaluation, and inspection of static and package equipment. In addition, I have extensive construction experience (over seven years), including installation, erection, and commissioning of mechanical equipment.

Proficient in international codes and standards, such as ASME, API, TEMA, and European standards. Proven ability to apply expertise in many industries, including refineries, petrochemicals, chemicals, and cement plants.

Proven ability to manage static and package equipment in EPC projects, ensuring compliance with quality and safety standards in different sectors.

- ◆ EPC projects (Engineering, Procurement, and Construction):
 - 9 years of experience in the execution of EPC projects in various industries.
- ◆ Construction and Mechanical Completion supervision:
 - 7 years of experience supervising mechanical completion and commissioning works, ensuring quality and compliance with deadlines.
- ◆ Construction of Pressure Vessels and Package Equipment:
 - 5 years of experience in the construction of pressure vessels and package equipment in specialized workshops.
- ◆ Engineering and Start-up of Package Equipment:
 - 2 years of experience in engineering and start-up of package equipment, ensuring its optimal operation.

EXPERIENCE

2022 – Today **SENERMEX INGENIERÍA Y SISTEMAS, CDMX. Mechanical Section**

POSITION: Static Equipment Specialist

PROJECT: 'RAJASTHAN REFINERY PROJECT', Barmer, Rajasthan, India. CLIENT: INTECSA | MEIL

TASKS:

- ◆ Preparation of Static Equipment Data Sheets.
- ◆ Review of static equipment vendor documentation.

2019 – 2022 **SAIMEXICANA (SAIPEM), CDMX. Mechanical Discipline**

POSITION: Static Equipment Specialist

PROJECT: 'TERMINAL DE REFINADOS MANZANILLO', Colima, Mexico. CLIENT: GPT | IENova

TASKS:

- ◆ Leader of the mechanical discipline in the development of detail engineering, which included static equipment, rotary, and package equipment.

PROJECT: 'MODERNIZATION OF TALARA REFINERY', Talara, Perú. CLIENT: Grupo Cobra

TASKS:

- ◆ Elaboration of the detailed engineering of the crude oil storage tank package (API STD 650).

PROYECTO: 'WARRI & KADUNA REFINERY PROJECT', Nigeria. CLIENTE: SAIPEM Nigeria

TASKS:

- ◆ Support for pre-engineering activities.

2013 – 2019 **THYSSENKRUPP INDUSTRIAL SOLUTIONS, CDMX. Static Equipment Discipline**

POSITION: Static Equipment Senior Engineer | Mechanical Supervisor

PROJECT: 'LAGDO 2', Oaxaca, Mexico. CLIENT: Cementos Cruz Azul

TASKS:

- ◆ Support for inspection activities for the manufacture of static equipment (one thousand tons); reconciling with the supplier countermeasures to reduce delays, and keeping strict control of progress, contracted work not performed, and additional work requested.

PROJECT: 'MAGNI', Querétaro, Mexico. CLIENT: Thor Químicos de México

TASKS:

- ◆ Mechanical responsible for coordinating the activities of 'mechanical completion' and commissioning of mechanical equipment; complying with the commissioning program.

PROJECT: 'PROGREFA', San Juan Sacatepéquez, Guatemala. CLIENT: Cementos Progreso

TASKS:

- ◆ Supervision of manufacturing, equipment installation, and commissioning of mechanical equipment (API-650 storage tanks, water treatment, and firefighting system).

PROJECT: 'COMPAS', Aguascalientes, Mexico. CLIENT: Nissan Mexicana

TASKS:

- ◆ Discipline Leader in Detail Engineering, Procurement, and Inspection of Static Equipment.

PROJECT: 'DIESEL HYDROTREATING UNIT – HDD', Hidalgo, Mexico. CLIENT: ICA

TASKS:

- ◆ Discipline Leader of the development of detailed engineering for mechanical equipment (static and rotary).

PROJECT: 'ODIN', Querétaro, Mexico. CLIENT: Thor Químicos de México

TASKS:

- ◆ Mechanical responsible for coordinating the activities of '*mechanical completion*' of mechanical equipment.

PROJECT: 'GARCIA'S MEMBRANE ELECTROLYSIS', Nuevo León, Mexico. CLIENT: Iquisa Noreste

TASKS:

- ◆ Detailed engineering of static equipment, including engineering, procurement, and support construction.

2013 SAIPEM, CDMX. Mechanical Discipline

POSITION: Static Equipment Engineer

PROJECT: NA, CLIENT: Petróleos Mexicanos

TASKS:

- ◆ Responsible for the mechanical discipline in the elaboration of technical-commercial proposals for EPC projects (engineering, procurement, and construction).

2010 – 2012 ENGINEERING APPLIED IN INDUSTRIAL CONSTRUCTIONS, CDMX. Projects Area

POSITION: Project Engineer

PROJECT: 'EU Market', Jalisco, Mexico. CLIENT: Boehringer Ingelheim

TASKS:

- ◆ Engineer responsible for the mechanical completion, commissioning, and startup of critical services (injectable grade water, clean steam, etc.).

PROJECT: 'Dry and Fresh Yeast Plant', Veracruz, Mexico. CLIENT: Ayesa MDE

TASKS:

- ◆ Engineer responsible for the design and preparation of manufacturing drawings for storage tanks and pressure vessels.

2009 ACF EQUIPOS SANITARIOS (GRUPO ACF), CDMX. Manufacturing Area

POSITION: Workshop Chief | Engineering Manager

PROJECT: Miscellaneous. CLIENT: Pharmaceutical and beverage plants

TASKS:

- ◆ Responsible for the engineering and construction activities of pressure vessels and storage tanks.

2003 – 2009 US FILTER CHEM FEED SYSTEMS (SIEMENS), CDMX. Water Treatment Area

POSITION: Project Engineer | Design Engineer

PROJECT: Miscellaneous. CLIENT: Pharmaceutical, beverage, food, manufacturing plants, and infrastructure

TASKS:

- ◆ Design and supervision of construction of wastewater and process water treatment plants.

1999 – 2003 ACOFLU (ACF GROUP), CDMX. Engineering Area

POSITION: Design Engineer

PROJECT: Miscellaneous. CLIENT: Pharmaceutical Industry

TASKS:

- ◆ Design and construction of pressure vessels and piping systems.