



HÉCTOR J. COLLAZO CARRO, EIT

ASSISTANT ENGINEER

EDUCATION

Bachelor Degree in Science of Mechanical Engineering

Inter American University of Puerto Rico

2012

Registered engineer in training - Puerto Rico License #25853

2014

PROFESSIONAL AFFILIATIONS

College of Engineers and Surveyors of Puerto Rico (CIAPR)

COURSES

- Inter American University Cube Sat design and manufacture
- Design and analysis of the Human Powered Submarine for the HPV Race, Maryland
- Work and study in the mechanical engineering laboratory of the Inter American University

2011

2009-2010

2009

SKILLS

Computer Programs: AutoCAD, SolidWorks, Ansys, Model, Matlab, LabView

EXPERIENCE

- Assistant consulting engineer, designing HVAC, fire and plumbing
- Work alongside project engineers to ensure that all projects comply with OSHA, NFPA, EPA and JCA requirements for each project, including the evaluation of emergency evacuation plans for plant and project alike
- Work with management of change to ensure that all proposed projects are reviewed by the EHS department and that any change in process and equipment is evaluated by the department
- Manage the following programs: Lock out & Tag out, Confined Spaces, Machine Guarding, Process Safety (combustible dust), electrical safety (NFPA 70E), including trainings for employees
- Work, implement and answer all corporate EHS Alert and meet the due dates as required
- Machine shop improvement project
- Reliability of machine shop equipment
- Ensure that all machine shop equipment have an adequate maintenance plan and are listed on the CMMS (Computer Maintenance Management System)
- Machine Shop safety
- Ensure that all machine shop equipment are aligned with OSHA requirements and safety guards
- Redefine machine shop rules, aligned with equipment and personnel safety
- Develop and implement visual aid for critical equipment, focused on safety and equipment operation

SEMINARS AND CONVENTIONS

- OSHA General Industry 10hrs training
- OSHA General Industry 10hrs and Construction Industry 30hrs training
- Worked on Interphex Puerto Rico
- Advance Rigging training and license
- HAZWOPER training
- Enter and rescue in confined space 8hrs training – Boy Scouts of America 2nd Class

2017

2009

2002