



# Join Us for Hands-On Instruction

## FASTENER / HIGH PRESSURE BOLT-UP



August 17 & 18, 2021



At The Pelican Chapter of Associated Builders and Contractors, INC

### Fastener Integrity Assurance “The “Connection” to Safe and Reliable Production”

**Course Description:** This two-day hands-on class focuses on the integrity of fasteners and teach techniques and understanding through hands-on practices to address issues with fasteners that cause disruptions in production and safety.

#### Topics Covered

- Understanding Fastener Terminology and Specifications – The role played by Standards Organizations.
- Use of PCC-1 Standards to Ensure Proper Piping Alignment and Proper Sealing Surface
- Fastener Charts and How to Use Them
- Safe Disassembly of Bolted Connections – Precautions that are too often overlooked
- Bolting/Fastener Reliability – Importance of correct Thread Engagement, Proper Tensioning, Adverse Effect of Stress Risers
- The Stress Strain Curve of a Threaded Fastener and how to stay within the Margin of Error (Elastic Range)
- Methods to achieve correct Bolt Tension, Torque Relationship to Bolt Tension.
- Working with assemblies that have Multiple Fasteners – Flanges, Heads, etc.
- Flange Union Integrity including Gasket Technology and Correct Selection
- Adjusting Fastener Tension for Temperature and Pressure changes to stay within the Margin of Error
- Specialty Applications such as Broken Bolt Extraction, Locking of Fasteners, etc.
- Optional Testing at the End of Each Chapter to Ensure Trainees Understand the Materials Presented

**Cost:** \$1,350/per student

**Registration and Payment Options:** Contact Anthony DeSimone by email at [adesimone@hendrixpm.com](mailto:adesimone@hendrixpm.com) or by phone at 619-993-3383.

Or visit <https://www.hendrixprecisionmaintenance.com/publicclasses>. Pay by Credit Card or Purchase order.

**Dates/Times:** Tues. August 17<sup>th</sup> & Wednesday August 18<sup>th</sup> - 8:00 AM to 5:00 PM CDT

**Venue:** ABC Pelican Chapter - 19251 Highland Road, Baton Rouge, LA 70809

**Airports:** Baton Rouge Metropolitan Airport

**Hotels:** Courtyard Baton Rouge Acadian Centre/LSU Area (10 miles from venue); Renaissance Baton Rouge (6.5 miles from venue); Courtyard Baton Rouge Siegen Lane (5 miles from venue)