



# COMPANY OVERVIEW

AUGUST-2020

ABSOLUTE ENERGY FIELD PRODUCTS AND SERVICES



# Safety Minute – Distracted Driving



## 10. Fully focus on driving.

Do not let anything divert your attention

## 9. Store loose gear and other distractions that could roll around in the car.

## 8. Make adjustments before your get underway.

Address vehicle systems like your GPS, seats, mirrors, before hitting the road.

## 7. Finish dressing and personal grooming at home – before you get on the road.

## 6. Snack smart.

Eat meals or snacks before or after your trip, not while driving. Don't get messy, hard to handle items.

## 5. Secure children and pets before getting underway.

## 4. Put aside your electronic distractions.

Never use text messaging, email functions, video games or the internet with a wireless device while driving.

## 3. If you have passengers, enlist their help so you can focus safely on driving.

## 2. If another activity demands your attention, instead of trying to attempt it while driving, pull off the road.

## 1. As a general rule, if you cannot devote your full attention to driving because of some other activity, it's a distraction. Take care of it before or after your trip, not while behind the wheel.



# Who is Absolute?



Founded in 2012 by Ravinder Singh

Since 2012, Absolute Fabrication has been a premier contract manufacturer for:

- Code Certified Pressure Vessels; ASME U-Stamp & S-Stamp Certificates of Authorization
- ASME and API Piping; spool piping, pipe racks, high-pressure coils, skidded and individual units
- Structural Steel; heavy-duty skid bases, ladders & platforms, catwalks
- NBIC Repairs and Alterations R-Stamp Certificate of Authorization

Outgrew the initial Brittmoore Rd. facility in 2018

Full-Service supplier of packaged equipment for oil & gas, energy and petrochemical space.

- In-House Engineering
- Manufacturing with Full-Time dedicated QA/QC
- Refurbishment services offered; Qualified for National Board code repairs.
- Strategic partnerships/alliances with critical supply chain

# Absolute Customers



# Fabrication Facilities



2.7 Acres of stabilized lay-down area onsite.

## Two dedicated fabrication shops:

- Building 1: 20000 sf. – Carbon steel fabrication.
  - 2 bays with 60 ton lifting capacity
- Building 2: 20000 sf. – Dedicated for stainless steel fabrication as well as assembly activities.
  - Mitigates contamination concerns
- Offsite additional lay-down area for longer and heavier project needs.

## Capabilities:

- 168” Max. Vessel Diameter
- Vessel Wall Thickness to 4”+
- Max. Completed Length: 80ft.
- Up to 120000 lb. dry weight

## Materials:

- Carbon Steel (A36, SA-516, 70 as rolled & normalized, etc.)
- Common Alloys (4130, 4140, etc.)
- Austenitic Stainless (TP304/304L, TP316/316L, etc.)
- Duplex Stainless Steel (2205, etc.)

# Engineering Overview



Designs expanding stock equipment offering

Available for Engineer-to-Order Equipment and Solutions

Strategic partnership with outside Engineering and Detailing resources for additional support

## Design Codes

- Pressure Vessels designed per ASME and/or PED Rules
- Piping systems in accordance with ASME or API rules
- Electrical Designs in accordance with NEC/NFPA
- Structural Designs are available for ASME or AWS
- Controls custom designed to Customer requirements
  - Pneumatic, Electric or Mechanical Controls

## Design Platforms

- Process Design: *ProMax*®
- HEX Thermal Design: *HRTI ExchangerSuite*®
- Vessel Mechanical Design: *COMPRESS*
- CAD Platform: *AutoCAD*®
- 3D Modeling is available

# Quality Assurance/Quality Control



All welders and welding operators are qualified in accordance with ASME BPVC, Section IX requirements

100% Material Traceability is standard on all projects

AWS CWI and ASNT ACCP Level III on staff

## TESTING

Hydrostatic testing capability to 10000 PSI in-house

- 1 hour charted tests are standard

NDE is performed In-House


- RT, UT & PAUT, MT and PT Capabilities on demand

FAT is available for complete packaged systems

# Facility Certifications



The American Society of Mechanical Engineers



## CERTIFICATE OF AUTHORIZATION

The named company is authorized by the American Society of Mechanical Engineers (ASME) for the scope of activity shown below in accordance with the applicable rules of the ASME Boiler and Pressure Vessel Code. The use of the ASME Certification Mark and the authority granted by this Certificate of Authorization are subject to the provisions of the agreement set forth in the application. Any construction stamped with the ASME Certification Mark shall have been built strictly in accordance with the provisions of the ASME Boiler and Pressure Vessel Code.

COMPANY:

**ABSOLUTE FABRICATION LLC**  
7218 Clinton Drive  
Houston, Texas 77020  
United States


SCOPE:

**Manufacture of pressure vessels at the above location and field sites controlled by the above location (This authorization does not cover impregnated graphite)**


AUTHORIZED: December 4, 2018  
EXPIRES: November 16, 2021  
CERTIFICATE NUMBER: 44089

*David E. Tuttle*  
Board Chair, Conformity Assessment

*Joseph Lawrence*  
Managing Director, Conformity Assessment



The American Society of Mechanical Engineers



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COMPANY:

**ABSOLUTE FABRICATION LLC**  
7218 Clinton Drive  
Houston, Texas 77020  
United States


SCOPE:

**Manufacture and assembly of power boilers at the above location and field sites controlled by the above location**

AUTHORIZED: December 4, 2018  
EXPIRES: November 16, 2021  
CERTIFICATE NUMBER: 66550


*David E. Tuttle*  
Board Chair, Conformity Assessment

*Joseph Lawrence*  
Managing Director, Conformity Assessment



## THE NATIONAL BOARD OF BOILER & PRESSURE VESSEL INSPECTORS

### Certificate of Authorization




*This is to certify that*  
**ABSOLUTE FABRICATION LLC**  
7218 Clinton Drive  
Houston, Texas 77020  
United States  
Acceptable Abbreviation: AFL

*is authorized to use the R Symbol in accordance with the provisions of the National Board Inspection Code and NB-415, Accreditation of "R" Repair Organizations.*

All activities within the scope of this Authorization shall be controlled by the above location.

The scope of this Authorization is limited to:


Metallic  
Repairs and Alterations  
At  
Shop and Field Locations



Certification Number: 8890  
Revision Date: May 29, 2020  
Issue Date: November 20, 2018  
Expiration Date: November 16, 2021  
Executive Director *John Vincent*

## THE NATIONAL BOARD OF BOILER & PRESSURE VESSEL INSPECTORS

### Certificate of Authorization to Register



*This is to certify that*  
**ABSOLUTE FABRICATION LLC**  
7218 Clinton Drive  
Houston, Texas 77020  
United States


*is authorized to apply the "NB" mark and register boilers, pressure vessels or other pressure retaining items with the National Board.*

*The scope of Authorization is limited to items manufactured in accordance with:*

ASME Designator(s): S, U

Issue Date: October 20, 2015  
Revision Date: March 4, 2020

*This Certificate of Authorization to Register will remain in effect as long as the manufacturing organization holds a valid Certificate of Authorization issued by the American Society of Mechanical Engineers.*



Executive Director *John Vincent*



# Products and Solutions



Stock designs with material on the ground for expedited delivery:

- 3 MMBTU/hr. Line Heater w/10000 PSIG coil.
- 60" x 20' 1440 PSIG Test Separator, 4-Phase with w/sand jet & cleanout
- Standard Glycol Dehydration Units w/ 500/750 M BTU/hr. Regen Skids

Contract Fabrication

Upstream Equipment

Midstream Equipment

Downstream Equipment

*HEATTRAN* Process Heat Exchangers and Air Coolers

# Contract Fabrication



We serve the Oil and Gas Upstream, Midstream and Downstream markets by custom fabrication of the following:

- Rolled & Welded Cylinders
- Custom Pressure Vessels
- Spool Piping
- Structural Skid Bases
- Platforms/Ladders
- Pipe Racks
- Header/Manifold Skids
- Separators and Scrubbers
- PIG Launchers/Receivers
- Slug Catchers
- Columns and Towers
- Reboilers
- Indirect Fired Line Heaters
- Stabilizer Skid Packages
- Surge and Flash Tanks
- Blow Cases
- Free Water Knock-Outs
- Pump Skids
- Filtration Skids
- Air Coolers



# Upstream Equipment



TEST SEPARATORS

PRODUCTION SEPARATORS

HEATER-TREATERS

GAS PRODUCTION UNITS

INDIRECT-FIRED LINE HEATERS

SAND SEPARATORS

FILTER/COALESCING SEPARATORS

H<sub>2</sub>S SCAVENGER UNITS

GAS DEHYDRATION UNITS



# Midstream Equipment



TEG GAS DEHYDRATION UNITS

MOL-SEIVE DEHDRATION UNITS

MECHANICAL REFRIGERATION UNITS (MRU)

H<sub>2</sub>S SCAVENGER UNITS

STABILIZER SYSTEMS

JOULE-THOMPSON (JT) PLANTS

SLUG CATCHERS

PIG LAUNCHERS/RECEIVERS

FILTRATION PACKAGES

MODULAR PROCESS EQUIPMENT

AMINE TREATING



# Downstream Equipment



CRUDE-OIL TOPPING

FILTRATION PACKAGES

PUMP SYSTEMS AND PACKAGES

PROCESS HEAT EXCHANGERS

AIR COOLERS

CUSTOM MODULAR SKIDDED EQUIPMENT



# Heat Exchangers and Coolers



## **TEMA Shell & Tube Heat Exchangers** including:

- Kettle type Reboilers and Chillers (“K” type shells with or without weir plates)
- High Pressure Gas-Gas “Shell & Tube” Exchangers utilizing fixed tubesheets (AEL/BEM/NEN)
- Split flow type shells utilizing both welded in our removable long baffles (“F” type shells)
- Cross flow type shells (“J”, “X” and “H” type shells)
- Hair Pin type exchangers (“U” bundles)
- Floating Heat type exchangers (“S”, “T” and “P” bundles)

## **Air-Cooled Exchangers** including:

- Condensers with sloped tubes for free draining
- Forced or Induced draft
- Horizontal or Vertical air flow
- Ambient coolers
- Single or Multi Fan configurations with either fixed or auto-adjustable blades
- Single Speed, 2 Speed and VFD motors to meet any environment or electrical requirements
- V-Belt, HTD belt, Gear or Direct drivetrain configurations
- Accessories including Louvers, Hail Screens, Hot Air Recirculation Systems, Ladders and Walkways
- O.E.M equivalent replace parts including gaskets, header plugs, tubes, motors, belts, bearings and fans.

QUESTIONS?




# Contact Information



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