

FACILITY CAPABILITIES

Tomball, Texas, USA

DistributionNOW Process Solutions is a global provider of process equipment to the energy industry. We engineer, design, fabricate and package equipment for well testing, artificial lift, pumping, process and filtration.

All of our projects are built in-house, allowing for an especially close integration of multi-discipline engineering, drafting and technical staff with our fabrication and field service personnel for superior layout, quality and operability. Our world-class Tomball facility, located 30 miles northwest of Houston, was designed for maximum efficiency:

- 140,000 square foot shop
- 13,900 square foot office
- 38 acre tract
- 7 acres stabilized

We are known for tackling the toughest fluid handling projects, and we utilize our deep technical knowledge and broad design and fabrication expertise to provide innovative solutions to our customers worldwide.

VALUE

We offer optimum value with every engagement. We can build from a concept only, from detailed fabrication drawing packages, or from customer-provided process flow, pipe and instrumentation diagrams.

SOURCING

We can perform all sourcing or collaborate with our customers to assure the highest procurement value. We also welcome free issue goods. We work closely with customer staff and agents to optimize formal communication and reporting.

DOCUMENT CONTROL

Our advanced document control mechanisms offer the highest flexibility in document receipt and transmission protocols, while providing total reliability in activity logging, chain-of-custody verification and revision control throughout the project.

AFTERMARKET SUPPORT

We provide comprehensive cataloging and vigilant review of expected spare parts required beyond initial purchase, assuring customers a ready supply of critical parts with minimum confusion or delay.



INDOOR SHOP SPACE: 140,000 SQUARE FEET

Area	Size (W x L x H)	Cranes	Total Capacity
Electrical Shop	50' x 100' x 20'	1	5 Ton
Bay 1	50' x 340' x 16' 6" (Hook Height)	1	5 Ton
Bay 2	50' x 340' x 20' (Hook Height)	4	30 Ton
Bay 3	50' x 340' x 22' (Hook Height)	3	45 Ton
Bay 4	85' x 325' x 33' (Hook Height)	2	100 Ton
Bay 5	75' x 275' x 30' (Hook Height)	2	20 Ton
Paint & Blast	50' x 225' x 22' (Hook Height)	1	20 Ton

Note: Table does not include warehouse space (approx. 24,000 sq. ft.)



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FABRICATION

The DistributionNOW Process Solutions Tomball facility is optimized for large, complex projects, supporting a true “one-stop shop” experience.

DNOW Process Solutions can provide you with a full-function “wet” factory acceptance test (FAT). Our test facility allows your LACT unit to be completely performance tested and the automation customized prior to arriving at your location. Just another way we are raising the bar in LACT manufacturing and design. Whether it's dual meter runs, cold weather packaging, integrated pipeline pumps or custom automation, we offer unlimited engineered solutions for your custody transfer and measurement needs.

LAYOUT

The facility includes multiple, workflow-optimized fabrication bays, a climate-controlled electrical shop, an isolated hydro-testing bay and a simple machining area. Our \$1 million state-of-the-art blast and paint facility is connected by rail to the main assembly area to ensure easy, safe transit of components. We also have a large controlled warehouse space, as well as extensive concrete and stabilized outdoor lay-down areas.

CERTIFICATIONS

We are certified to construct, alter, and repair pressure vessels and power boilers per ASME VIII, ASME I and NBIC pressure vessel codes, and we fabricate and install pressure piping per ASME B31.1 and B31.3 piping codes.

All facility welders and procedures are tested in accordance to ASME IX to ensure all work complies with the applicable standards.

Certifications and Build Standards

- ASME U Certificate (48,863)
- National Board R Certificate (R-9082) and NB mark
- UL Listed Panel Shop
- CE marking
- ANSI CSA
- Canadian Welding Bureau (CWB)

ENGINEERING

Our engineering staff includes experts in the fields of process, mechanical, electrical and controls design, with specific process expertise in separation, filtration and thermal heating technology. Our world-class designers perform advanced modeling and detailed fabrication drawings suitable for the most complex, packaged equipment and modularized assemblies.

Engineering and Design Software Used

- Codeware COMPRESS® (pressure vessel design reports)
- AutoDesk
 - AutoCAD® Mechanical
 - AutoCAD® Electrical
 - Inventor™
- ProMax® (process simulation)
- Rockwell Automation
 - Studio 5000® (PLC design environment)
 - FactoryTalk® View Studio (HMI design)
- ProSoft® Configuration Builder (Modbus® card configuration)
- Modbus® Poll (module simulation during FAT)
- Watlow EZ-ZONE® Configurator (temperature controller programming)



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