

# MOBILITY FOR QUALITY & COMPLIANCE

Creating Applications to Help Smaller Teams Do Bigger Jobs

In fall of 2015, Pillar Innovations was awarded a large project to design, manufacture, ship, and install all piping for a large compressor station in the Marcellus shale region. Due to the nature of the project, a tracking and compliance system had to be used to meet or exceed federal regulations. The software development team assisted in this effort by creating a system that as-sisted in the tracking and organization of piping, fittings, and assemblies and served as a centralized repository for 3rd party contractors to upload documentation for x-ray and pressure tests.

## Features:

- Barcode Generator and Rprinter for Tracking Pipe Segments
- Works on desktops, laptops, tablets, & mobile phones
- Gives access to 3rd party contractors to upload data
- Compiles Raw Pipe into Segments then Sub-assemblies
- Automatically searches for missing information
- Generates reports that meet federal and state requirements

## Ideal Compliance Solution for:

- Title 49 CFR Part 191
- Title 49 CFR Part 192
- Title 49 CFR Part 193
- Title 49 CFR Part 194
- Title 49 CFR Part 199
- Regulatory Requirements Developed by PHMSA and other Federal and State Regulations

Home **Inspection Management** Master Parts Management Assembly System Management Reports
DETECTING BARCODE SCAN...

### 3rd Party Inspectors


Name	Company	Actions
M. McGinnis	Diamond Technical Services, Inc	<a href="#">Upload</a> <a href="#">Delete</a>
Richard L. Robinson	Ranson Inspection Services, LLC	<a href="#">Upload</a> <a href="#">Delete</a>
B. Hildebrand	Diamond Technical Services, Inc.	<a href="#">Upload</a> <a href="#">Delete</a>
J. Hildebrand	Diamond Technical Services, Inc.	<a href="#">Upload</a> <a href="#">Delete</a>
A. Edwards	Diamond Technical Services, Inc.	<a href="#">Upload</a> <a href="#">Delete</a>
L. Fabian	Diamond Tech Services, Inc	<a href="#">Upload</a> <a href="#">Delete</a>
TEMPORARY	Diamond Technical Services, Inc.	<a href="#">Upload</a> <a href="#">Delete</a>
M. Spychola	Diamond Technical Services, Inc.	<a href="#">Upload</a> <a href="#">Delete</a>
C. Haak	Diamond Technical Services, Inc.	<a href="#">Upload</a> <a href="#">Delete</a>

### Inspector Assignments

Inspector	Type	Internal/External	Actions
Shawn Fike	(VT) Visual Inspection	Internal	<a href="#">Remove</a>
Abby Schmuck	(VT) Visual Inspection	Internal	<a href="#">Remove</a>
Darren Schrock	(VT) Visual Inspection	Internal	<a href="#">Remove</a>
Jason Michael	(VT) Visual Inspection	Internal	<a href="#">Remove</a>
Shawn Fike	(PT) Liquid Penetrant Inspection	Internal	<a href="#">Remove</a>
M. McGinnis	(RT) Radiographic Inspection	External	<a href="#">Remove</a>
Richard L. Robinson	(VT) Visual Inspection	External	<a href="#">Remove</a>
M. McGinnis	(MT) Magnetic Particle Inspection	External	<a href="#">Remove</a>
L. Fabian	(RT) Radiographic Inspection	External	<a href="#">Remove</a>
L. Fabian	(MT) Magnetic Particle Inspection	External	<a href="#">Remove</a>
B. Hildebrand	(RT) Radiographic Inspection	External	<a href="#">Remove</a>
B. Hildebrand	(MT) Magnetic Particle Inspection	External	<a href="#">Remove</a>

### Inspection Types

Inspection Type	Type Of	Available Internally	Available Externally	Actions
(VT) Visual Inspection		Yes	Yes	<a href="#">Remove</a>
(RT) Radiographic Inspection		No	Yes	<a href="#">Remove</a>
(MT) Magnetic Particle Inspection		No	Yes	<a href="#">Remove</a>
(PT) Liquid Penetrant Inspection		Yes	Yes	<a href="#">Remove</a>
(UT) Ultrasonic Inspection		No	Yes	<a href="#">Remove</a>
(N/A) Inspection Not Required		Yes	Yes	<a href="#">Remove</a>



By leveraging the software development team, our group was able to complete a project with very strict budget and time requirements.

The final reports that were delivered to the customer were generated automatically and totaled 1000s of pages. These reports included all information regarding the assemblies, x-ray inspection, pressure testing, and other information required to comply with state and federal regulations.

Using this system, we were able to optimize our pipe usage, reduce waste, eliminate reporting errors, and ensure that a complete document was submitted to the customer. This product provided significant benefit to the Project Management team and helped keep stakeholders "in the know".

**For more information:**

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**Pillar Innovations**  
**Contact:**  
**Date:** 10/19

# INSPECTION REPORT

Pipe Project

**Job #:** 4588  
 Pipe Project

<b>Piece Mark:</b> 2-DC-1112	<b>Description:</b> SPOOL w/ 1 Fig, 2 Elbows	<b>Pressure Testing Required:</b> Low Pressure
<b>Weld Inspections Required:</b> Yes	<b>Acceptance Testing Required:</b> Yes	

**1. Pipe (2)**

Pipe #	Heat Num.	Size	Sch.	Length	Grade	Coating	Hydro Test
2-DC-1112-D-01-1a	A72213	2"	80	1' - 1	X52	FBE	<b>PASSED</b>
2-DC-1112-D-01-1b	A72213	2"	80	10' - 7 7/8	X52	FBE	<b>PASSED</b>

**2. Parts (3)**

Identifier	Part #	Description	Heat Number
E1	p1000010	2" ELL 90 LR BW API 5L G R Y52 SCH 80	H2692
E2	p1000010	2" ELL 90 LR BW API 5L G R Y52 SCH 80	H2692
F1	p1000014	2 RFWN 600 XH F52	WWF

**3. Welds (7)**

Weld #	Welder	Date of Visual	NDT/NDE	Date Passed
W1	Eric M	July 9, 2015	XR647	July 15, 2015
W2	Eric M	July 9, 2015	XR648	July 15, 2015
W3	Jacob S	August 5, 2015	NR8-7-15-1	August 7, 2015
W4	Eric M	July 9, 2015	XR650	July 15, 2015
W6	Bradley R	August 7, 2015	NR8-7-15-1	August 7, 2015
W5	Bradley R	August 11, 2015	FRT-16	August 21, 2015
W7	Eric M	August 11, 2015	FRT-16	August 21, 2015