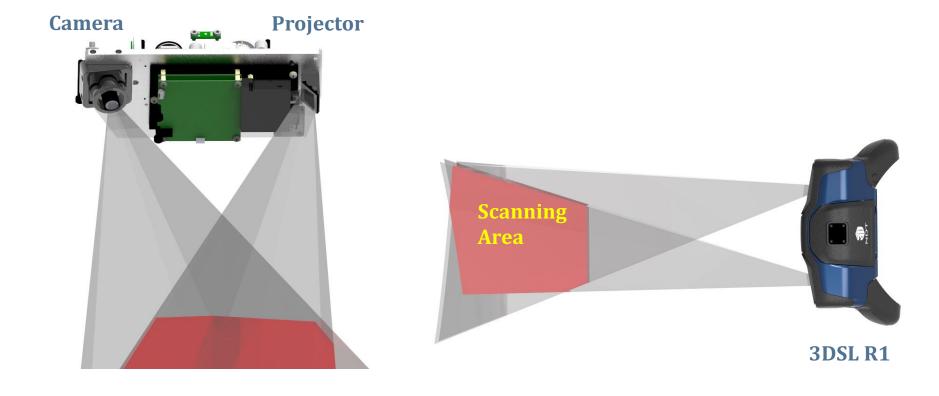


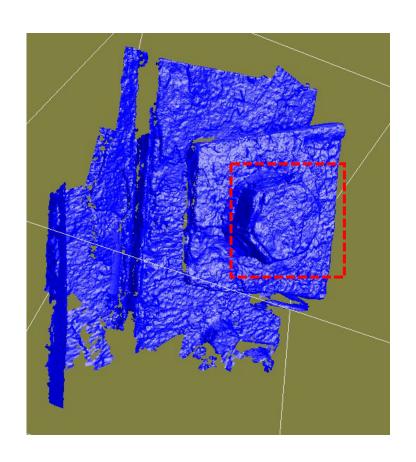


# 3D NDT TOOL STRUCTURED LIGHT TECHNOLOGY



## 3D NDT IMAGE TO SCAN

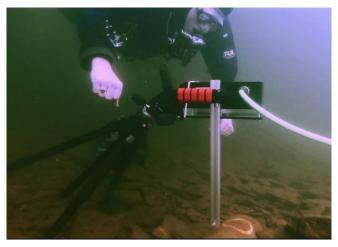




# 3D NDT IN THE FIELD



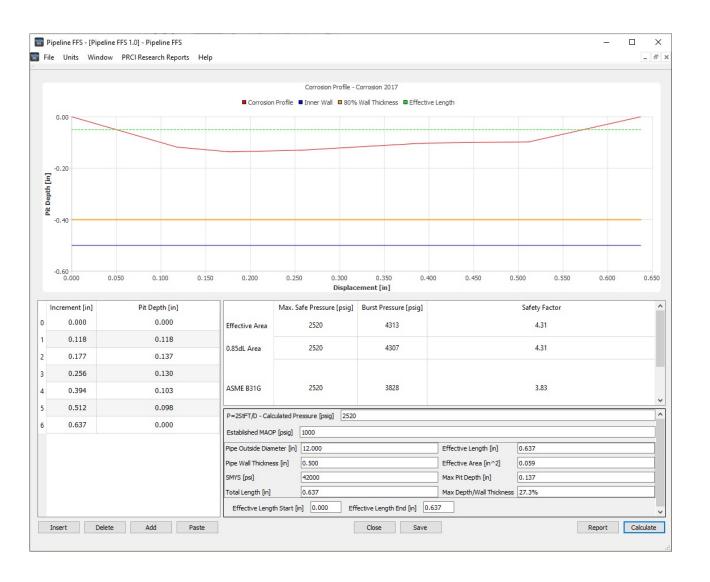






### **FITNESS FOR SERVICE**

### CALCULATION OF REMAINING STRENGTH

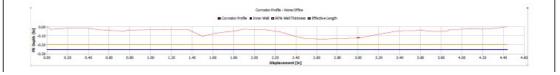


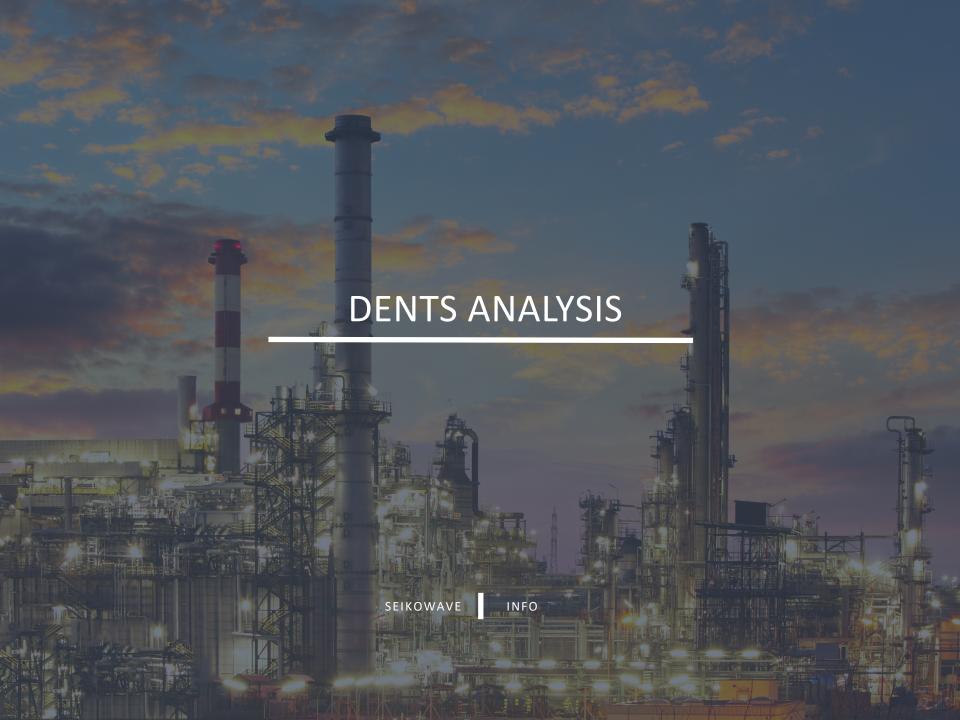
## **FITNESS FOR SERVICE**

### **REPORT**

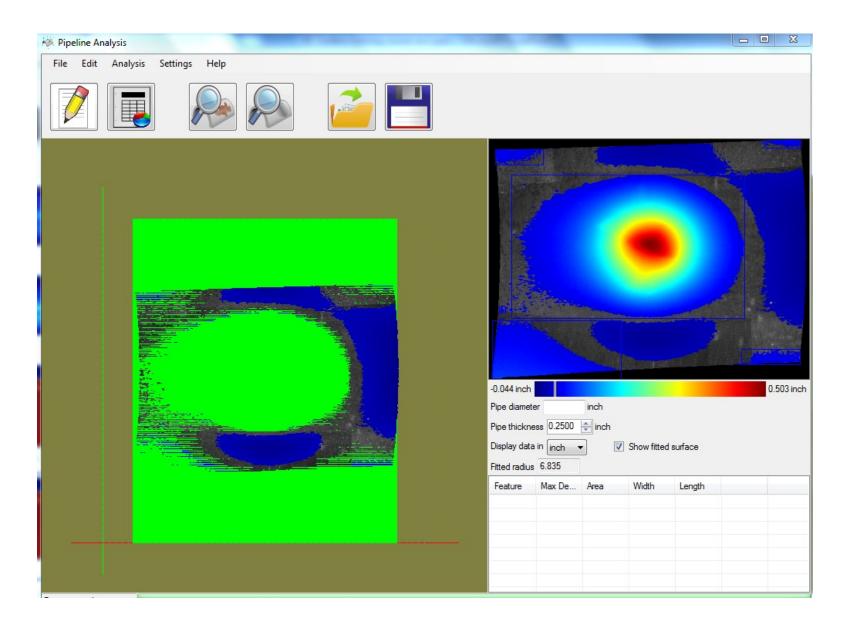
ation: 1		Date: 2016/7/19	
P = 2StFT/D[psi] - Calculated Pressure		812	
Established MAOP [psi]		800	
Pipe Outside Diameter [in]	16.000	Effective Length [in]	3.937
Pipe Wall Thickness [in]	0.250	Effective Area [in]^2	0.240
SMYS [psi]	52000	Max. Pit Depth [in]	0.138
Design Factor	0.50	Max. Depth/Wall Thickness	55.3%
Total Length [in]	4.436		
Effective Length: Start [in]	0.374	End [in]	4.311
RESULTS OF ANALYS	SIS:		
METHOD	Max. Safe Pressure [psi]	Burst Pressure [psi]	Safety Factor
RSTRENG - Effective Area	812	1689	2.11
RSTRENG - 0.85 dL	671	1342	1.68
ASME B31G	677	1353	1.69

#### **CORROSION PROFILE:**

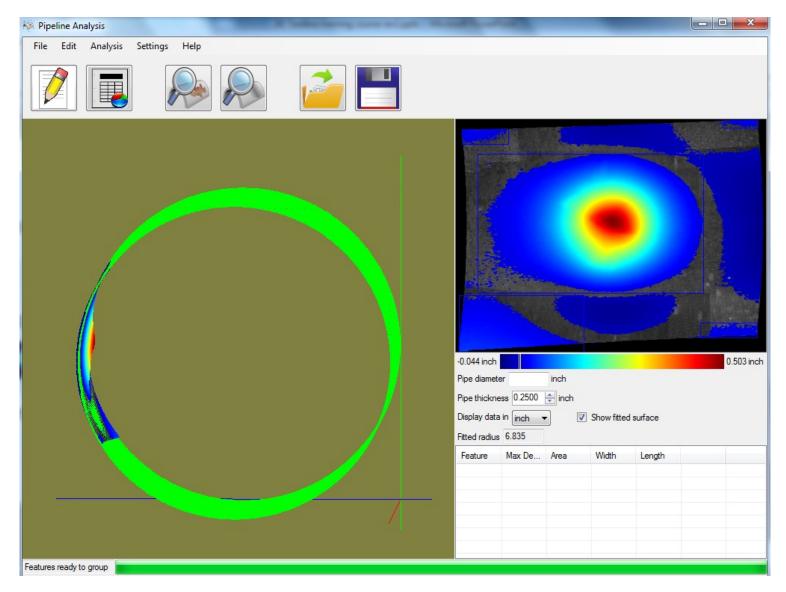




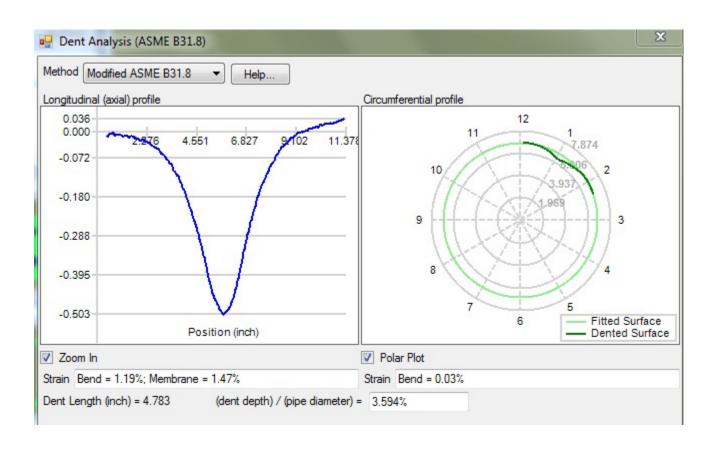
## **DENT ANALYSIS**



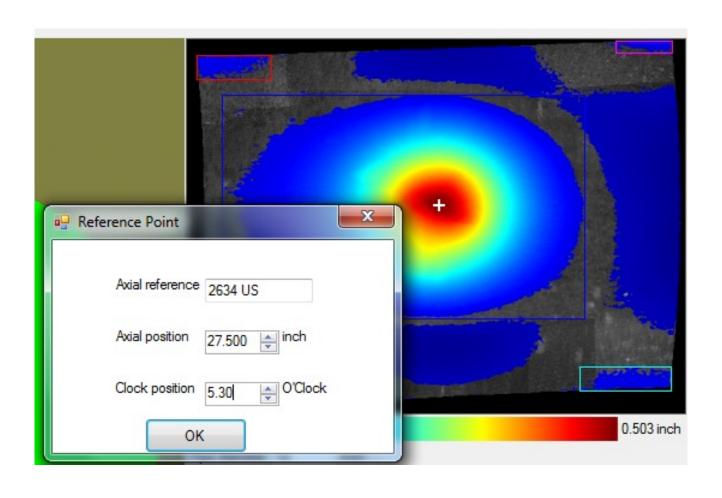
# **DENT ANALYSIS**



# DENT ANALYSIS CALCULATIONS



# DENT ANALYSIS REAL-WORLD LOCATION



# DENT ANALYSIS REPORT

- Dent profiles
- Dent depth as a percentage of pipe diameter
- ASME B31.8 Strain calculations

