

TEAM's Advanced NDE Group's value added proposition applies to FAC programs and or gridding projects. The proposition offers:

- Mixed Reality Application
- Increased reliability
- Enhances Safety
- Reduces Cost



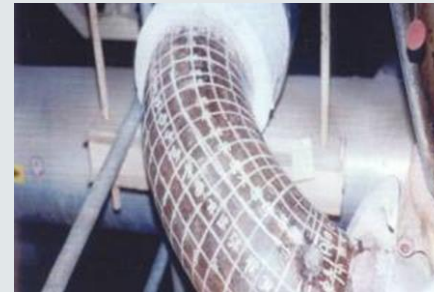
IDENTIFY THE PROBLEM

Flow-accelerated corrosion (FAC), also known as flow-assisted corrosion, is a corrosion mechanism in which a normally protective oxide layer on a metal surface dissolves in a fast flowing water. The underlying metal corrodes to re-create the oxide, and thus the metal loss continues.



ASSESS THE PROBLEM

- UT grids are currently drawn manually on elbows and straight runs.
- Manual marking is time consuming and an inaccurate process making exact repeatability difficult and in some cases impossible.
- Gathering accurate and repeatable data on a curved surface is highly complex and time consuming.
- Pipes can also be extremely hot; making it a dangerous and problematic job.



APPLY THE SOLUTION

- Instantaneously creates 3D grids for piping and straight piping sections
- Gestures and voice commands move and rotate the 3D grid
- A spatial map of the environment is created, giving a 360 view of asset
- Predefined dimensions to record constant measurement data
- Used in combination currently with Microsoft Trimble XR10 with HoloLens 2

