

## Objectives

- Technology demonstration of InspecTerra's Passive Magnetic Inspection (PMI) method for evaluating and mapping corrosion in steel piping
- Scanned selected piping sections using a small portable hand-held PMI inspection device



Scanning pipe elbow

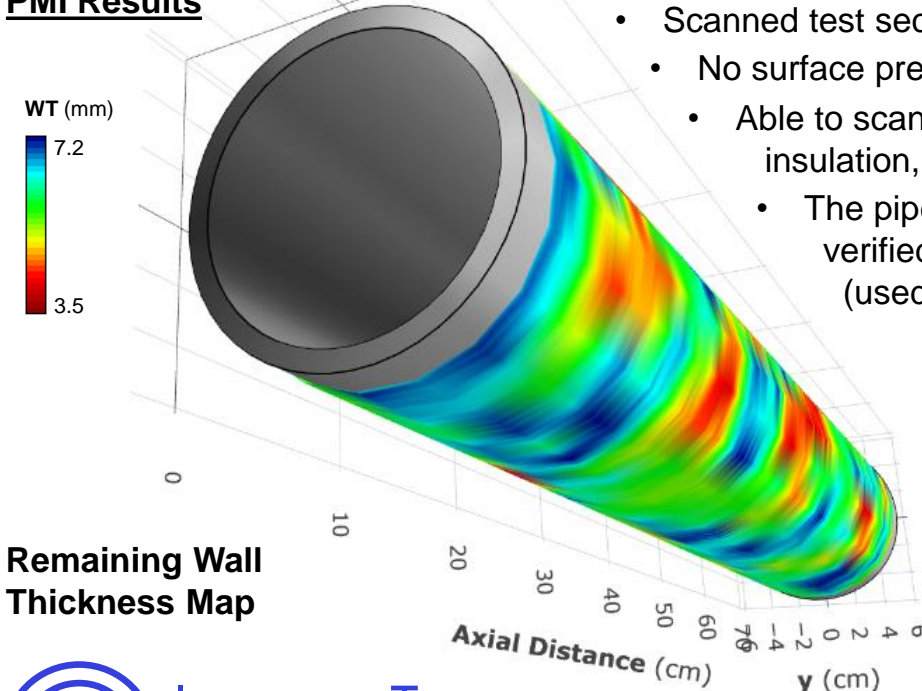
PMI scanner

Photos by Steven Berry, DRDC/DND

## Highlights

- Scanned test sections quickly and effectively
- No surface preparation required
- Able to scan directly through paint, coatings, insulation, etc.
- The pipe wall thickness was calibrated and verified using separate UT measurements (used PMI to select UT inspection points)

## PMI Results



## Results

- Significant corrosion at 3 and 9 o'clock positions
- Pipe is only half full with corrosion occurring along the air/fluid interface along the sides of the piping