

Application Example 04

Customer: Offshore oil rig operator

Industry: Offshore production

Structure: Piping (straight sections and elbows)

Operating temperature: Ambient

Type of internal corrosion: Erosion corrosion

Frequency of inspection: Twice/month

What were their NDT challenges?

1. Specialist personnel were having to be flown in to inspect the pipes. Due to the high frequency of inspection, this process became very impractical and costly
2. Experienced poor quality of data using existing inspection methods

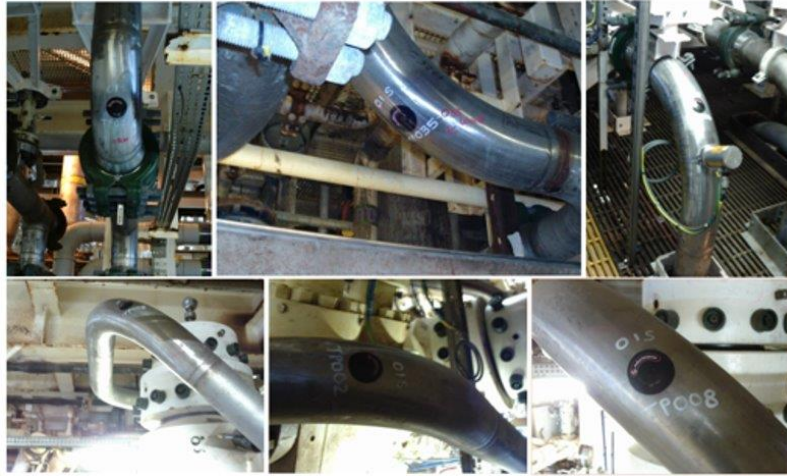
The Inductosense solution

TMS-B5R sensors were installed at various piping locations throughout the asset, including both straight sections and elbows. Thickness measurements could be acquired as frequently as needed, by personnel already on site thanks to the easy-to-use, handheld WAND data acquisition device. This considerably reduced the demand for specialist personnel, saving costs and time. Furthermore, the data obtained proved to be more accurate, repeatable and reliable than manual inspection.

The outcome

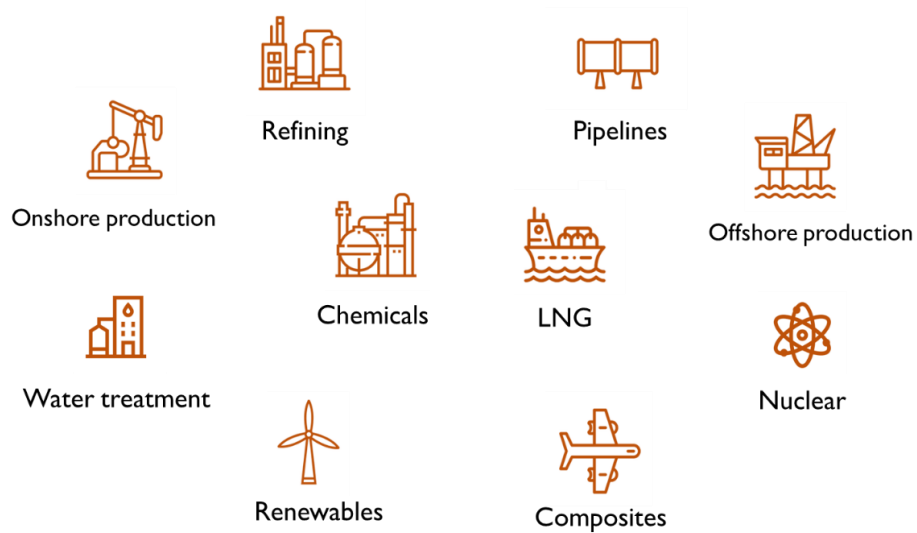
- Significantly improved quality of data
- Lessened the demand for specialist personnel, leading to a reduction in inspection costs and time by using technicians that were already on the asset
- Provided assurance of the integrity of the asset, enabling frequent measurements, allowing the operator to maximise the profitable life.





Sensors strategically installed on various piping sections

Where do we work?



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