

Benefiting from Plant Integrity’s world class Guided Waves know-how and BIC’s research capacities, the HiTClean project is developing industrial ultrasonic technology to detect, clean and inhibit internal fouling of oil pipes (ie Barium Sulphite) and external fouling of steel assets in contact with seawater, particularly in the tidal range.

Potential applications include pipelines in mining ore processing and oil pipelines, oil import facilities, oil rigs and pipelines, jetties, port facilities, piles, single point moorings, buoys, piers, causeways and any assets where steel structures, such as pipes, tubular or sheet piling, are in contact with the tidal range.

The technology is low-cost, low-risk, environment friendly (ie no toxic chemicals) and has the potential to provide a significant return on investment. It has the added advantage that, being non-invasive, it does not require shutdown of production, or pipe isolation to carry out the cleaning operation.

The potential benefits include:

- **Reduced downtime**
- **Reduced maintenance**
- **Extended service life**
- **Improved efficiency**
- **Higher profits**
- **Lower costs**
- **Lower investment costs**
- **Higher margins**

Asset Managers/Owners wishing to offer industrial test sites for evaluating the HitClean technology should make contact with the Project Coordinator.

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The research leading to these results has received funding from the UK’s innovation agency, Innovate UK under grant agreement no. 102491.

