

Using Robotics for Inspection and Maintenance

Improving Safety & Decreasing Costs

An Implementation Proposal

This exciting new technology offers significant safety and cost benefits for gas processing and other hazardous processes. As this technology heads towards full commercialisation, Process Vision is looking to form coalitions with operators who would benefit from its use.

The development project has proved the concept of operating a snake robot at pressure, internal inspection features of a vessel, locating fouling and safely removing it outside of the high-pressure vessel without the need to depressurise the system. To move forward with the technology, Process Vision is engaging with operators with the following road map for deployment.

Stage 1: Discovery

Online meeting(s) between Process Vision and the onsite engineering team are held to demonstrate to the onsite team the technology's potential and the onsite team to establish a potential application for the technology. After a non-disclosure agreement is signed, details of the process parameters, vessel dimensions and space around the vessel are discussed sufficiently to allow Process Vision development engineers to establish development and deployment plans, time scale and cost for implementation at site.

Stage 2: Acceptance/Decline

A quotation is produced and sent to the team lead for review. If acceptable in terms of cost and timescale, implementation plans are produced to move the project forward. If the quotation is not accepted, neither party are committed to further cost unless an alternative application is considered.

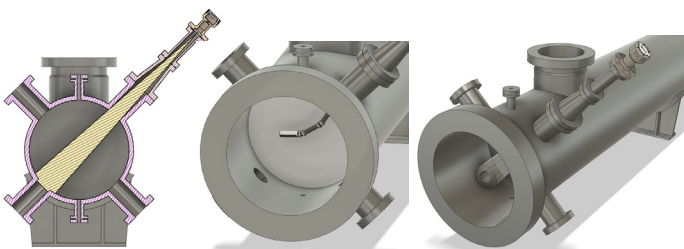


Potential Applications Include

- Gas/Liquid Separators
- Coalescing Filter Inspection/Cleaning
- Custody Transfer Flow Station Cleaning
- Orifice Plate Inspection
- Claus Furnace Inspection
- Tube & Shell Heat Exchanger Inspection & Cleaning

Operational Capabilities

- Internal Inspections
- Removal of Fouling
- Process Diagnostics



t: +44 (0)1256 883 304 | e: paul.stockwell@processvision.com | w: www.processvision.com