

Case Study — Synthocam 01

18" steel pipeline at Above Ground Installation needing inspection—the latest Synthocam CCTV system helps with investigation, minimising asset intervention.

The facts

- 18" steel pipeline at large High Pressure Above Ground Installation (AGI).
- Previous high gas velocity incident had caused damage to one of the filters.
- Suspected that debris from the damaged filter had travelled into other sections of the AGI pipework.
- Synthotech carried out a Specialist Service on site to insert a camera into the pipeline & inspect for debris.
- No debris found in the areas surveyed, hence likely that debris is located in a below-ground low point.
- Works carried out in January 2016.



The Synthocam solution

- Access to the pipeline via 2" vent / purge / drain tapered plug valves.
- Bespoke insertion tube was designed, manufactured & tested by Synthotech specifically to ensure that the camera could gain entry to the pipeline via the tapered plug valves.
- Surveyed the along pipeline, checking for debris & recording the CCTV footage.
- Further survey of the below-ground pipeline sections planned for summer 2016.



The detail

- The Synthocam system is fully approved by all UK gas networks, across a range of pressures.
- The challenge with this survey was to ensure that the camera could safely enter the pipeline via the small bore of a tapered plug valve.
- Synthotech design & manufacture their systems in-house, & hence were able to quickly make & test a suitable insertion tube.



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