

How Hanse Gas has digitised the inspection of the protective strip.

Initial situation:



Use of the helicopter for visual inspection in accordance with G465 and G466 of 1,400 km of high-pressure pipelines.

Objective & Pilot Project:



Minimise emissions and reduce the workload on staff -> Make the process more efficient.



Testing of the technology over a three-month period on a 100 km stretch

Implementation:



From April 2024, the helicopter will be replaced by monthly aerial photographs taken by Beagle and satellite data



15–30-minute team training session for operational staff



Beagle Technology: Ultralight aircraft and drones



AI analyses the data for potential hazards. These are made available via SupervisionEarth's Web GIS.

Results: How Hanse Gas has digitised the inspection of the protective strip

“We believe in the system because it’s simply better, more comprehensive, provides better documentation and is good for the environment. What we particularly like is the combination of drone data and satellite data, because you’re effectively in the dark between individual drone flights.”

Olaf Boenigk, Distribution Networks Operations

16

tonnes of CO2 saved
per year

1.400

km of pipeline are
inspected monthly

ca. **-60%**

Visits to inspect the
hazardous area

ca. **50**

Employees benefit from
digitalisation