

SAFELY INSPECT & MAP CONFINED SPACES

Water and Wastewater inspections with Elios 3



48 x 38 cm / 18.9" x 13.8"

- ✓ The Elios 3 drone can be quickly deployed in water and wastewater networks to safely perform remote and efficient inspections.
- ✓ Perform inspections three times as fast (1200m/day) and at 40% of the cost of traditional methods, while collecting data in compliance with EU norms (13508-2).
- ✓ Record 4K videos & 12M pixel images. Harness the LiDAR technology to create accurate 3D maps and perform georeferencing, flight merging, etc.



Water Treatment Plant → Remotely inspect the coagulation, sedimentation, filtration, disinfection, and digestion assets in the plant and analyze any sedimentation build-up thanks to the combination of visual and LiDAR data.

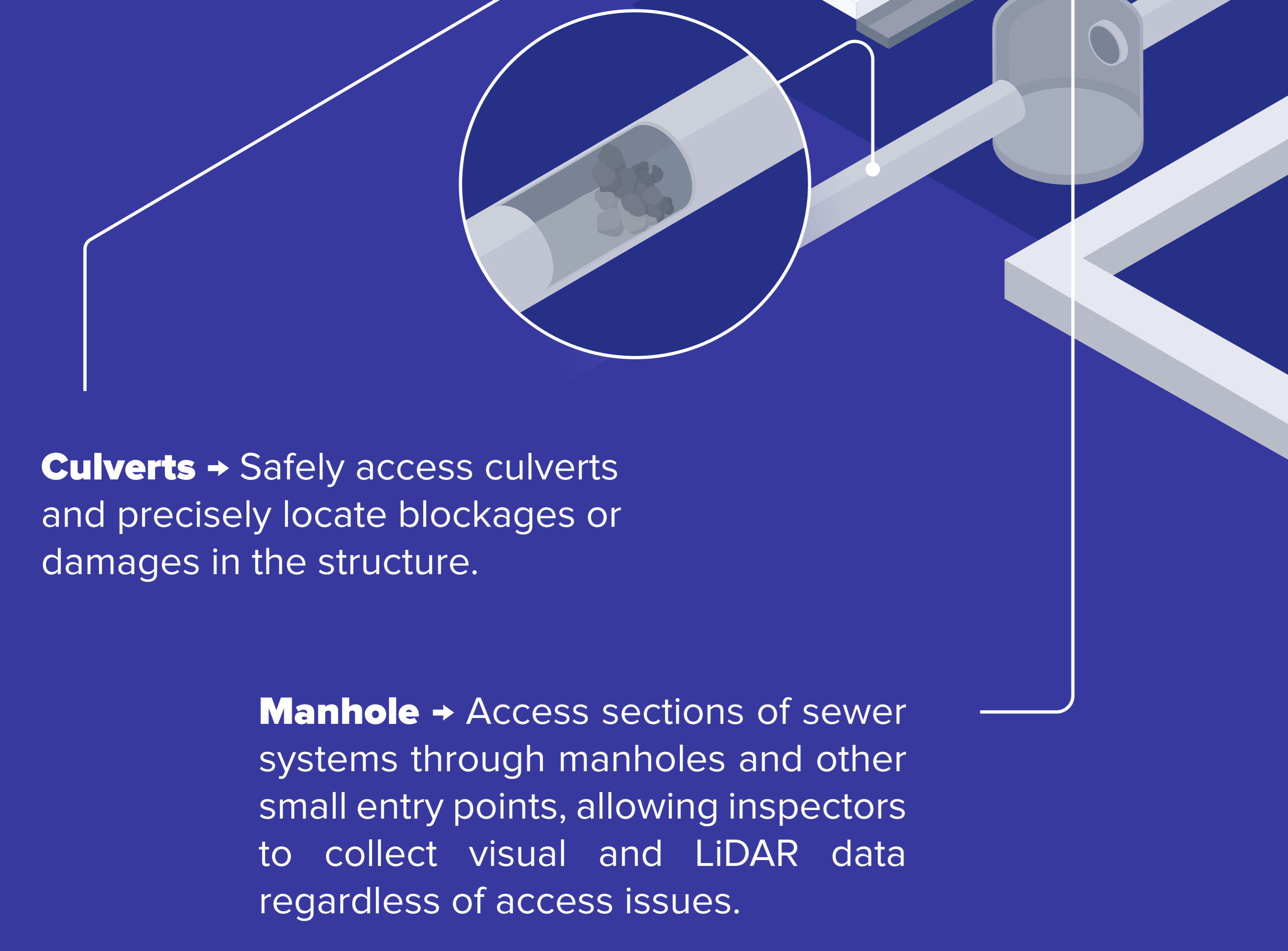
Desalination Plant → Efficiently perform visual inspection of the pre-treatment, post-treatment, and water storage assets.



Tanks, Water Towers, and Underground Water Storage → Check for damage, cracks, rust, and other issues in the structure, eliminating all risks of human entry in confined spaces.

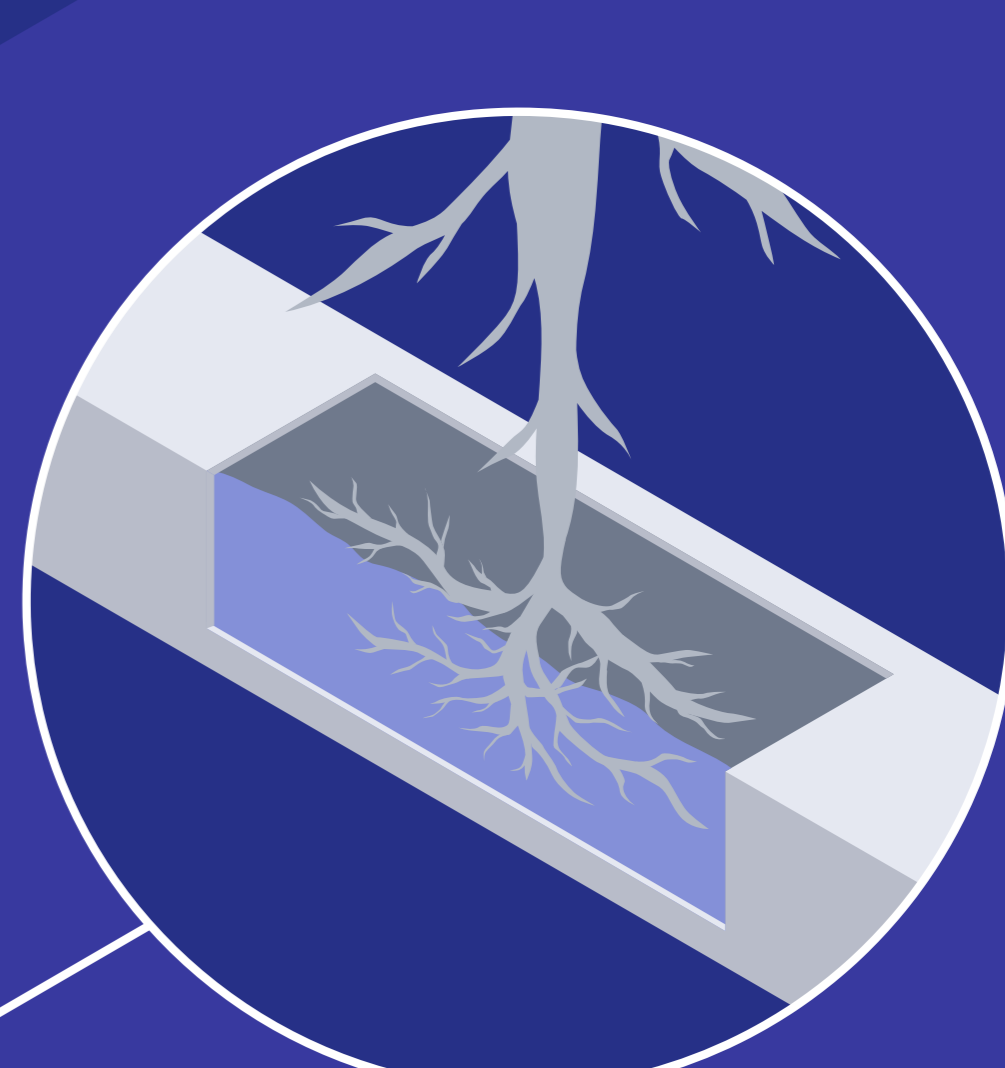
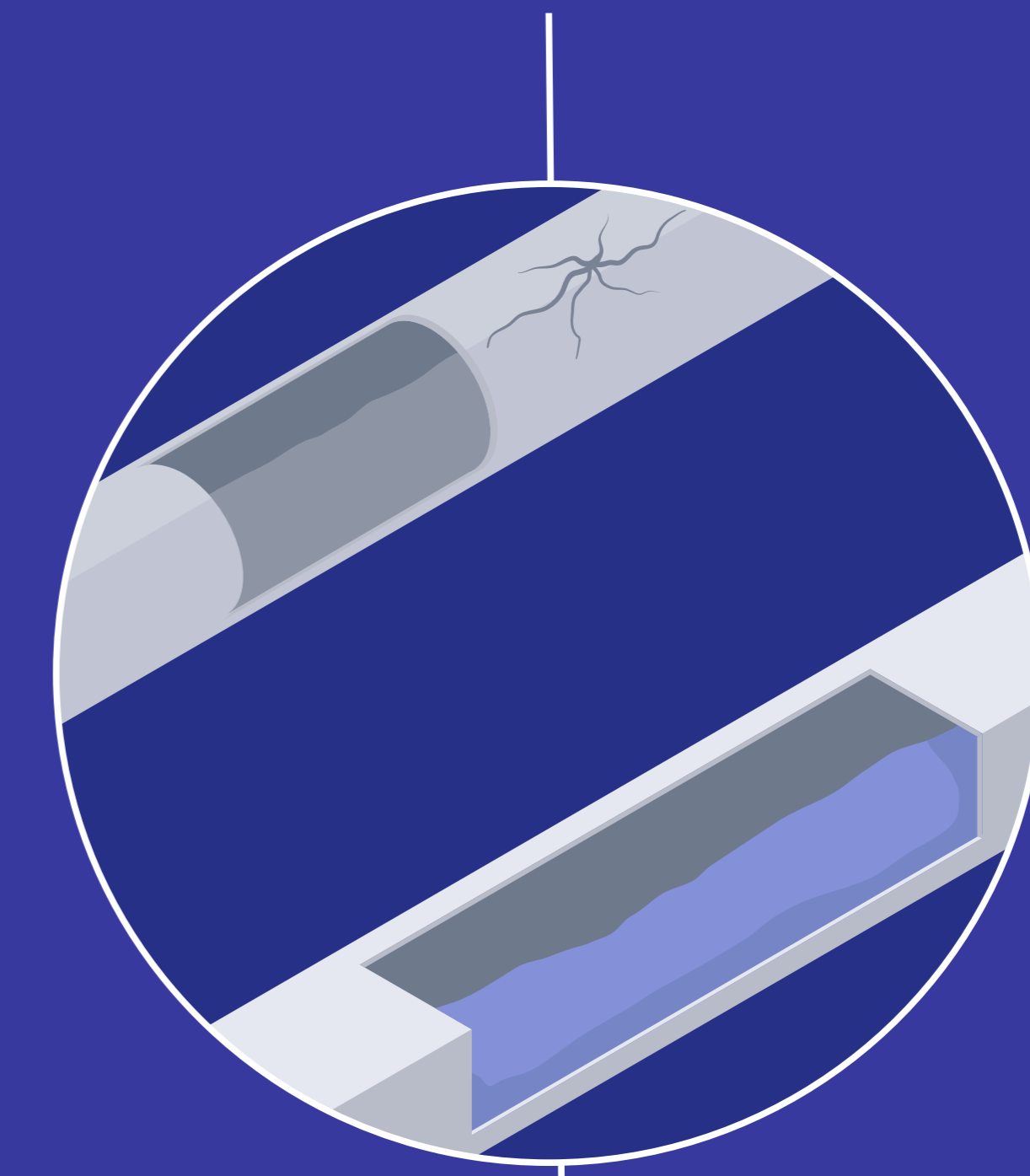
Map areas that couldn't previously be accessed or old sewers that haven't been mapped before to understand their geometry and flow capacity. Locate junctions and branch pipes.

Wastewater Sewers Pipeline → Inspect any pipeline bigger than 80x80 cm without having to clean it beforehand for a fast and easy mobilization. No need for expensive equipment and human entry. Inspect up to 1200m per day and cut costs by 40%.

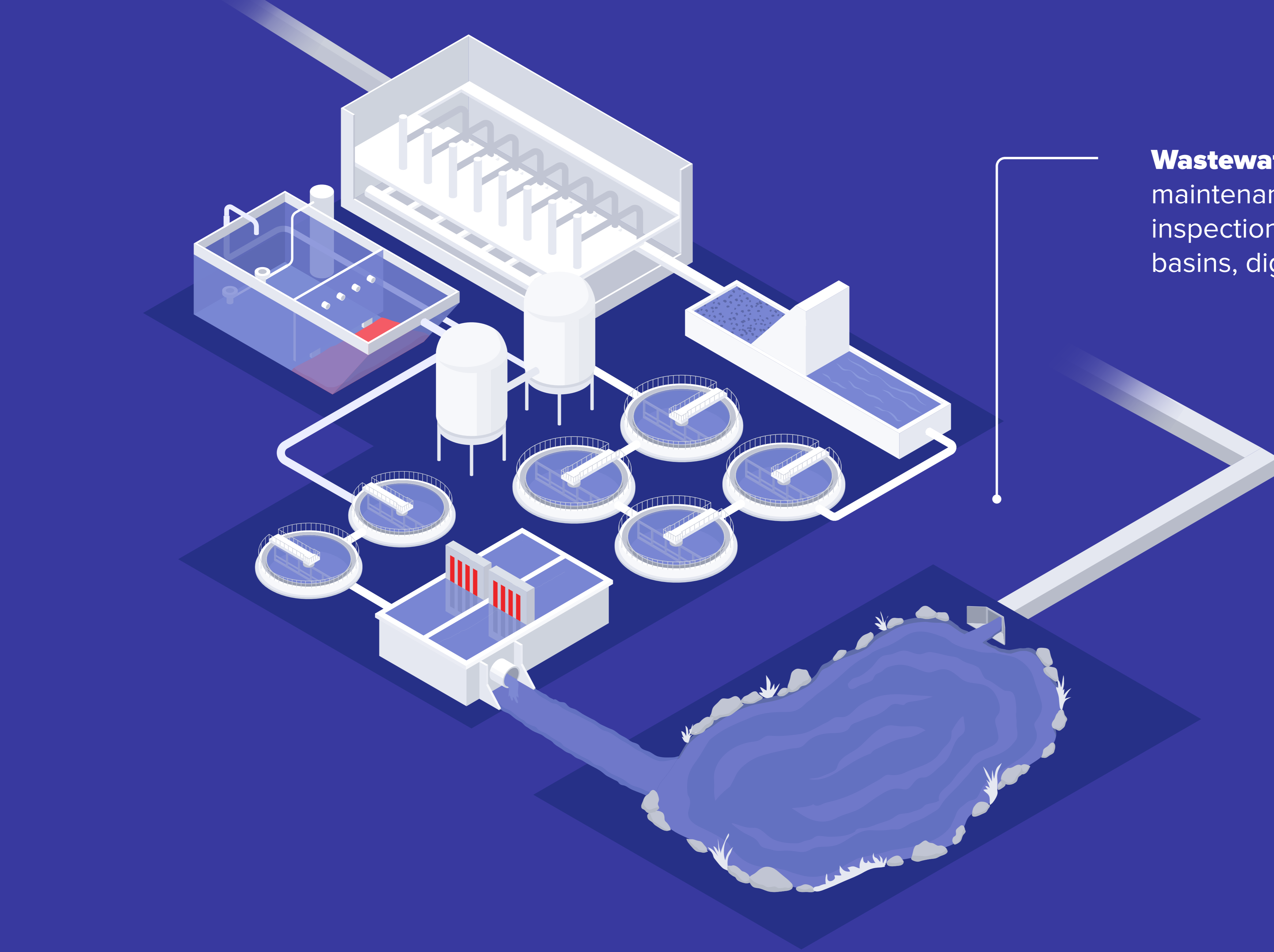


Culverts → Safely access culverts and precisely locate blockages or damages in the structure.

Manhole → Access sections of sewer systems through manholes and other small entry points, allowing inspectors to collect visual and LiDAR data regardless of access issues.



Stormwater Sewers Pipeline → Pinpoint the exact location of damages, cracks, blockages, and external material in the pipeline in line with official reporting standards and compatible with your GIS and georeferencing systems.



Wastewater Treatment Plant → Improve maintenance planning by performing remote inspections of screening stations, settling basins, digestors, aeration passes, and tanks.