ASI Inspection Class ROV Fleet

Vehicle	Application	Minimum Diameter	Umbilical Length	Size and Weight
ASI Falcon 	Easily deployed with exceptional manoeuverability in intake and discharge pipes, penstocks and other water-filled conduits where manned access is unsafe, uneconomical or impossible. Horizontal and vertical thrusters enhance manoeuverability, making it ideal for open water surveys.	1.0 m (3 ft.)	5 km (3.1 mi.)	Length 1.05 m (3.46 ft.) Width 0.65 m (2.08 ft.) Weight: 55 kg (121 lb.)
ASI LBV300XL 	Easily transported and deployed to monitor and inspect underwater objects using sonar and video data collection systems. The vehicle is capable of mounting project specific equipment, making it ideal for open water geophysical surveys.	0.40 m (1.25 ft.)	2.5 km (1.6 mi.)	Length 0.53 m (1.75 ft.) Width 0.24 m (0.83 ft.) Weight: 13.6 kg (35 lb.)
ASI Mantaro 	Explicitly designed for internal inspections of long flooded pipelines or tunnels greater than 3 m (9.84 ft.) in diameter. This vehicle provides real-time sonar and video imaging for uninterrupted distances of 10 km (6.2 mi.) from access location.	3 m (10 ft.)	10 km (6.2 mi.)	Length 2.2 m (7.2 ft.) Width 1.5 m (5 ft.)
ASI Pipecrawler 	A tracked vehicle that can operate in dry pipes or submerged to 30 m (100 ft.) of water. The tracks can be set in parallel configuration for added stability in larger pipes or in-line for smaller pipes.	15 cm (6 in.)	609 m (2000 ft.)	Length 1 m (3.3 ft.) Width 0.09 m (0.30 ft.)
ASI ROSEbud 	A remotely operated submersible vehicle (ROSE) designed to fit through manhole openings for the removal of sediments from the invert of pipelines.	0.61 m (2 ft.)	150 m (500 ft.)	Length 1.0 m (3 ft.) Width 0.5 m (1.6 ft.) Weight: 136 kg (300 lb.)
ASI USV 	Unmanned Survey Vessel (USV) equipped with complete bathymetric and hydrographic sensors for deep and shallow water surveys in real-time of lagoons, canals and aqueducts. Deployable for autonomous operations in denied access water areas, remote sites and sensitive benthic habitats.	n/a	1-3 km (3300-10,000 ft.) depending on radio link used.	Length 4.0 m (13.0 ft.) Width 1.3 m (4.3 ft.) Draft 0.4 m (1.3 ft.)