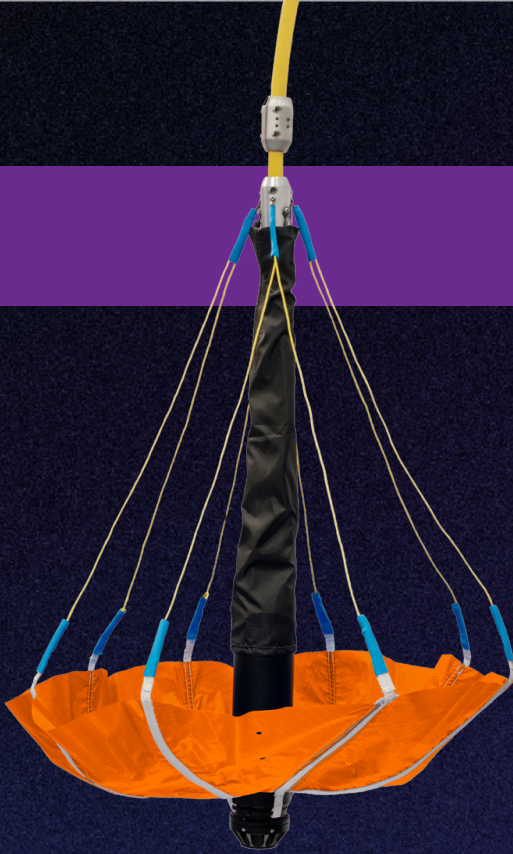




Camera

- Waterproof up to 16 bars
- HD color video with LED illumination (600 lumens)
- Integrated hydrophone and low-lux video sensor

Real-Time Console

- Live video and audio playback
- Continuous distance tracking
- Incident geolocation

Fiber Optic Cable

- 1,000-meter sealed umbilical cable
- Transmits video, sound, and positional data to the control console
- Neutrally buoyant for smooth movement through the pipeline

Insertion & Navigation

- Access through DN100+ valves, inserted vertically
- Navigates DN400–DN1600 pipelines
- Operates at 0.2 to 3 m/s flow speeds and up to 16 bars of pressure
- Can pass through bends up to 135°

Jabega

Real-Time Visual Inspection Inside Water Networks

CCTV system for targeted diagnosis in large-diameter pipelines

Jabega is a wired CCTV inspection system designed for real-time, high-resolution video and audio analysis of critical points inside pressurized water transport pipelines.

It is propelled by a water-filled sail and guided by a fiber optic cable, allowing up to 1,000 meters of inspection per insertion without interrupting service.

Jabega offers unmatched visibility for detecting corrosion, sediment, air pockets, unauthorized connections, and other anomalies inside the pipe.

Key Capabilities

- Visual identification of corrosion levels
- Real-time leak and anomaly localization
- High-resolution video and audio (up to 720p / 24 kHz)
- Detection of sediment, air bubbles, particles, and illegal tapings
- Mapping of inspected sections
- Forward and reverse navigation for detailed study of points of interest
- No service interruption during inspection
- Ideal complement to Nautilus inspections to visually assess detected anomalies



Planning

Field Inspection

Final Report