

# Leak Detection System

The Bowtech Leak Detection System is a bespoke solution for identifying leaks in pipelines, risers and subsea wellhead equipment. It includes a LED lamp which emits a green light for excitation of fluorescent tracer dye and a high resolution, low light sensitive camera fitted with a filter to enable the detection of the fluorescing dye.

The LED-540 lamp is part of Bowtech Product's successful Aquavision underwater vision and lighting range. Utilising the Bowtech LED array, it has no fragile filaments, is highly shock resistant and robust, with exceptional longevity (effective lifetime greater than 100,000 hours). It is built in a hard-anodised aluminium housing rated for 3000m operating depth.

The Aquavision LCC-600-610 camera is manufactured with a high quality Titanium housing rated to 4000m (or 6000m option) operating depth. The low light sensitive high resolution camera fitted with a fixed focus, wide angle lens and 610nm filter to detect fluorescence emitted by the tracer dye.

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<https://www.hydro-international.com/content/article/leak-detection-system>

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