

Teledyne Bowtech



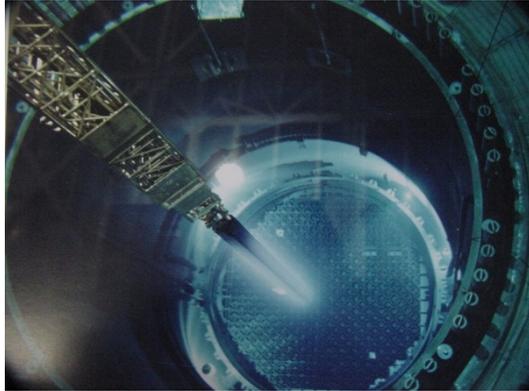
TELEDYNE
TEST SERVICES
Everywhereyoulook™

Teledyne Bowtech



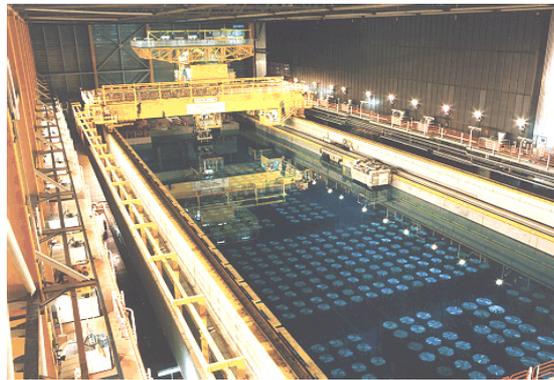
- Established 1990 in Aberdeen, Scotland
- 50th acquisition of Teledyne in February 2015
- Leaders in underwater and harsh environment vision systems
- Specialists in Oil & Gas, Defence, Nuclear and Scientific Research
- Renowned for Quality, Reliability, and Cost effectiveness

Nuclear Products



Reactor Core Illumination

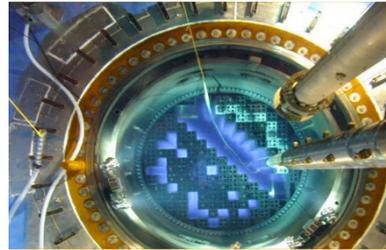
- **Suppliers of High Quality cameras with illumination, positioning units and control systems**



Spent Fuel Pond Illumination

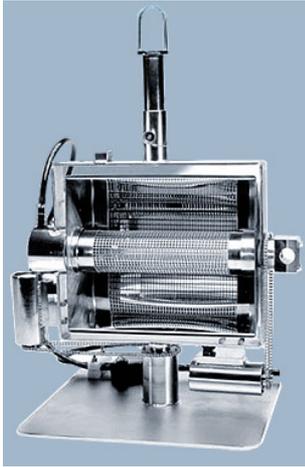
- **Spent Fuel Pond Illumination & Visual Monitoring**

Nuclear Applications



- **Decommissioning**
- **Remote Inspection of Processes**
- **Spent Fuel Pond Illumination & Visual Monitoring**
- **New Facility Builds**
- **Defense**

Nuclear Pedigree



HPS Illumination



LED Illumination

- **Inspection & Lighting With ALARA/P savings**
- **Bowtech upgraded legacy incandescent to HPS lamps in '90's and 00's.**
- **Despite higher CAPEX, They offered higher reliability and long term operational cost savings. Av. 400 hour life increased to 25,000 hours plus 8 x more output/ watt.**
- **With extensive LED experience underwater LED illumination has been developed as the new LED E Light. This will reduce change outs half, leaner still and can be recycled on site with new replacement LED's**

Nuclear Pedigree



- **Inspection & Lighting With ALARA/P savings**

- **Bowtech designed the BOWCAM encapsulated camera with lighting to solve an issue in the then BNFL Sellafield VIT plant. Still supplying product which has evolved over the last 3 decades. Saves time, money, delivers and is easy to dispose of.**

- **The Surveyor SD and HD and Pioneer are inspection cameras are designed exclusively for nuclear use and provide the very best images with this and similar technology provided across Europe.**

Nuclear Pedigree



- **Brief Highlights**
- Re-lamped most European pools with HPS lighting 8 x output, 12 x Lifetime
NOW BEING DOUBLED WITH LED LIGHTING
- HPS lighting to new build UK reactors and existing in Europe
AS ABOVE
- Incandescent lighting and inspection to most UK and European facilities
AS ABOVE
- Encapsulated camera and lights still in use after over 20 years - HAR plant
- Multiple bespoke vision systems designed, delivered and supported
Sellafield – Dungeness – Hunterston – Doul – Chalon –Dounreay etc
- Core inspection for UK Navy

Clients





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Thank you

Any Questions Please