## Catchment 08

### **Corporate Presentation**

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# Innovation and versatility in low maintenance water control equipment

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## Aquatic Control Engineering Ltd

**Company Presentation** 



#### Introduction

- Aquatic Control Engineering Ltd was formed in 1995
- Supply of Water Flow Control Devices e.g. Flapvalves, Tilting Weirs, Penstocks, Non Return Valves and Flow regulators
- Supply of specialised Waterway Maintenance Machinery
- Complimentary services such as Installation, Back-up, Contract
  Management



#### **Features of Water Flow Control Equipment**

- Low Maintenance Requirements
- Lightweight yet robust construction
- Easy to install-bolt on structures
- Reliable
- Cost effective
- Safe and easy to handle
- Easily Customised to suit special requirements
- Environmentally friendly- can be recycled, non-pollutant
- Low visual impact



#### **Materials**

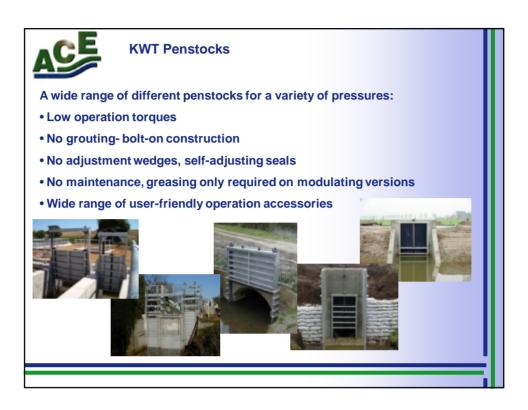
#### KWT use a combination of:

- HDPE (High Density Polyethylene)
- Stainless Steel 316L
- Aluminium F22

#### The above materials are used because:

- Suitable for corrosive applications such as marine and chemical environments
- Easy to fabricate
- Low friction













#### Bespoke design case study- Locks Mill sluice



- Existing timber sluices no-longer safe for use
- Penstocks used for emergency flood relief from Spalding Town Centre
- Customer required low maintenance, reliable sluices

..completed

- Sluices designed in conjunction with EA design team
- Penstocks require no greasing or regular maintenance
- Penstocks will not seize due to nonmetal-to-metal seal/guide design





#### Other products

Other products include:

- Floating Units- Automatic regulation controlled by floats
- •Stoplogs- Aluminium stoplogs for isolation- easier and safer to handle than traditional materials
- Pre-cast structures- tilting weirs fitted inside concrete units for ease of installation
- Wind-powered pump assemblies- Pre-fabricated wind pump, fitted to a pre-cast concrete base.
- •PTO Driven, trailer mounting dewatering pumps











