



## ARUN & ADUR EEL FLAPS

The overall project objective was to replace 10 number tidal flap valves along the river Arun and River Adur with Eel friendly tidal flaps.

### Project Delivery

- All flaps were sized between 1m and 1.5m and had to meet Environment Agency Standards for MEICA, materials and painting and protection.
- For this project Land & Water Services elected to work with one of its approved specialist subcontractors HC Watercontrol Ltd who had a proven track record for this design and build contract.
- Working with HC Watercontrol through the design process, drawings and calculations were produced and sent to the client for approval. Once approved the flap valves and stainless steel was manufactured from HDPE off-site and delivered to one centralised location for distribution in line with programme.
- Working within a large tidal range meant that Land & Water Services chose to work two shifts to remove the old valve and then install the new.
- By using local hauliers Land & Water Services could access knowledge to gain the best haulage routes to remote locations and maximise programme.
- Standard equipment was employed to lift and install the lightweight units.
- Weather conditions hampered the delivery in this hazardous environment with heavy rainfall maintaining water levels at what should be low tide. Programme management to manipulate location works was key to the final delivery strategy.

Find us on the internet at  
[www.land-water.co.uk](http://www.land-water.co.uk)

Contact us on 0844 225 1958



### Project Particulars

- Client: Environment Agency (South East)
- Project completed: Sept 2017 - June 2018



PROJECT  
VALUE:

**£130,000**