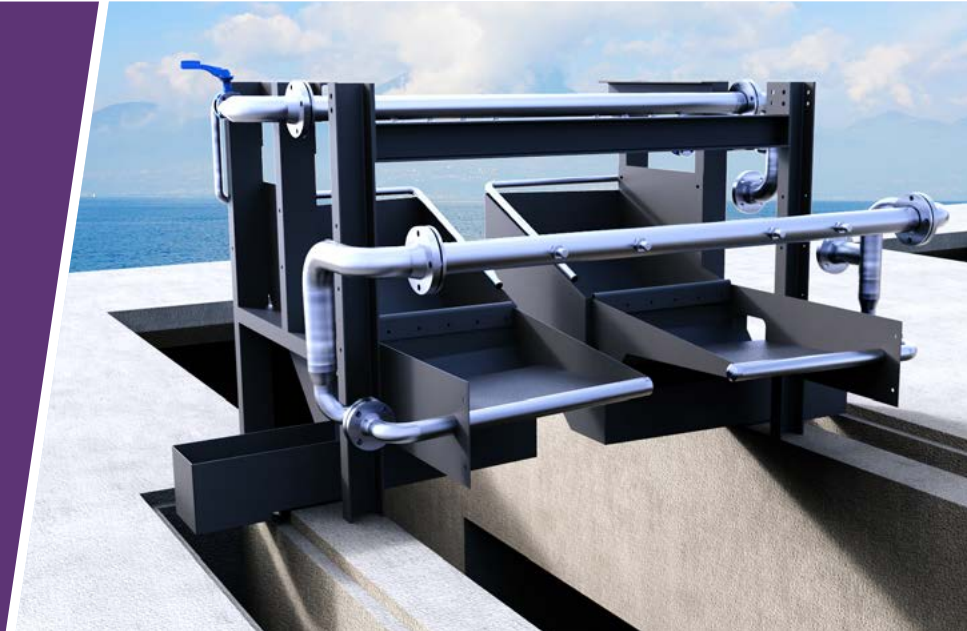


UPGRADING YOUR INTAKE TO COMPLY WITH THE EEL RECOVERY PLAN

Retrofitting existing installations to accommodate European Commission initiated Eel Recovery Plan (Council Regulation No 1100) with minimal interruption in service.



THE CHALLENGE

Ovivo UK-Colchester recently received two P&S orders for engineering and parts for the upgrade to existing screens to capture and safely return eels (and other fish) to the river. The screens are located in pumping stations used to filter water pumped from rivers. They have been installed for more than 30 years.

The driver for this business opportunity is the European Commission initiated Eel Recovery Plan (Council Regulation No 1100).

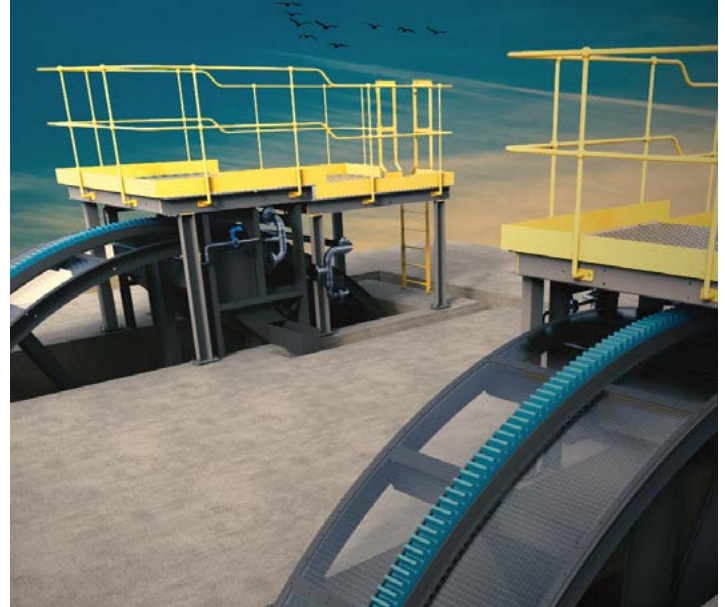
A requirement of the Eel Recovery Plan is that each EU member country is obliged to develop an Eel Management Plan and these legally binding plans cover a wide range of measures such as limiting fishing, restocking inland waters with young eels and making it easier for fish to migrate through the rivers. Pumping stations and screening systems act as a barrier to eel migration and therefore they have to be upgraded to meet the obligations of the Eel Recovery Plan.

The innovative solutions provided by Ovivo will lead to further business opportunities in this market and help protect our precious eco-systems for future generations.



OVIVO'S SOLUTION

It was agreed with the pumping stations operators that some major changes needed to be done to meet the requirement and safely capture and return the eels to the body of water. In order to achieve this with minimal interruption of service the Ovivo Team offer the following engineered parts, service and modifications to the 30 year old Drum Screens.



New Mesh Panels were provided with a new reduce aperture of 2mm compare to the original 5 mm to increase the capture ratio of smaller aquatic life.

New Sets of Seals were installed - the seals between the rotating screen and civil structure have been updated to provide an improved performance consistent with the mesh aperture reduction to limit bypassing of small debris.

New Elevators – These have been changed for a new design that retains a quantity of water up to the point where the eels are discharged into the collection hopper

New Backwash System– A two stage backwashes have been added. The first stage consists of low pressure backwash designed to gently push the eels (and some trash) into a capture & return system. The second stage is a standard high pressure backwash to remove the remaining debris from the mesh.

New Debris / Eel Collection hopper – the existing debris collection hopper has been replaced with a new unit which has two separate sections; the first section is designing to capture the eels & water from the elevators and gently flush the eels, via a flood lauder trough, back to the river. The second stage captures the weed/trash backwashed off by the high pressure backwash and is discharged into a debris collection

Upgrade of the Control system – the control system has been changed to operate the screen and backwash whenever there is flow through the screen.

All these changes are being made to the two pumping stations, working with the local Environment Agency to maintain the standards required to capture and return the aquatic life to their habitat.

For more information contact your local Aftermarket Specialist at the numbers below.



ovivo.energy@ovivowater.com
www.ovivowater.com



USA
+1 801 931 3000

Austria
+43 3136 62188 0

South East Asia
+65 6743 0338

United Kingdom
+44 1902 721212