

# Seal Adaptor Success Story

Power | Hydropower | Mechanical Seal



## Application Info & Challenge

Chesterton specialist at a hydropower plant in Italy has the chance to work on a **Francis vertical hydro turbine**. Process is **dirty river water**, shaft running at **750 rpm**, pressure is **4.2 bar**.

Customer is looking for a reliable and flushless sealing solution on this automated hydro turbine.

## Solution & Result

**Chesterton 442HP 130 mm RSC/RSC S EP mechanical seal with a SpiralTrac seal adaptor made of ESC material.**

First installation in October 2011.

As of 2017 December, the turbine is still running leak free and flushless after **48,000 hours!**



Chesterton 442HP seal installed on vertical turbine with the help of SpiralTrac Adaptor



Split SpiralTrac seal adaptor with built in gasket groove made of ESC material

If this Success Story has piqued your interest and would like to know more, our technical support team can always be reached at [support@enviroseal.ca](mailto:support@enviroseal.ca). We hope to hear from you!

