



**Project Title:**  
BONNYCRAIG WTW UV  
**Client:** Scottish Water  
**Project Value:** £300,000  
**Award Date:** 21st Feb 2017  
**Project Commenced:** 21st Feb 2017  
**Project Completed:** 31st March 2017

## Bonnycraig WTW UV

Installation of two D12 Trojan UV reactors into the filtered water line within the existing WTW building.

Scottish Water contacted Ross-shire Engineering to deliver a UV Treatment solution within the existing works.

Utilising our virtual design capability we were able to design a solution which included the installation of a UV filtration system into the existing building.

Working within the building constraints meant that the new pipework required to connect the UV system to the existing pipework would need to be placed under the concrete floor, as illustrated below.

Scottish Water required the new plant online within a very tight time scale to maintain water quality.

Utilising group in house delivery in parallel with manufacture of the pipework allowed the project to be delivered in an accelerated time-frame.

Through full integration of our in-house capability water went into supply within 6 weeks from Scottish Water identifying the project need. Scottish Water recognised this as an exemplary example of RSE's unique delivery capability.

