

Case Study



EARLSTON WASTEWATER TREATMENT WORKS UPGRADE

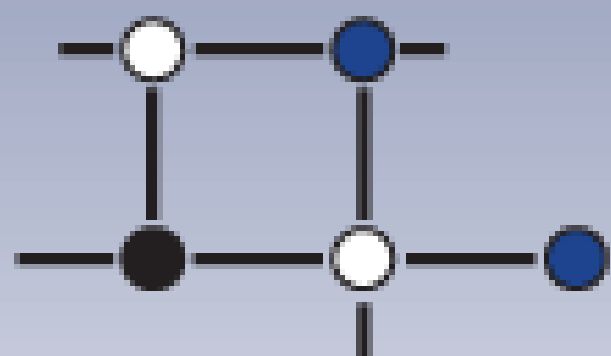
Colloide Engineering Systems were contracted for the detailed M&E design, supply and delivery of 3no. rotating **half bridge scrapers** for one 11.8m Primary Settlement Tank (PST) and 2 Humus Settlement Tanks (HSTs) at Earlston Wastewater Treatment Works in collaboration with Efficient Service Delivery (ESD) for Scottish Water.

ESD acted as the main contractors and carried out the civil engineering works. The installation had to be carried out in a manner that did not cause any deterioration to the existing plant's consent performance.

Colloide's scope of works included:

- Centre support arrangement including slewing ring.
- Stainless steel grade 304/316L scrapers c/w polyurethane scraper blades.
- Retractable launder brush assembly
- A ramp type scum box
- Local control panel
- GRP diffusion drum c/w scum scoops
- Scum skimmer blade assembly
- Set of GRP weir plates
- Set of GRP scum boards
- A retractable ladder c/w interlock switch.
- Ladder stay lugs fixed to bridge to facilitate tank access.
- Electrical drive unit.
- Delivery to site.
- Offloading & Installation

Colloide



T: 028 8675 8638

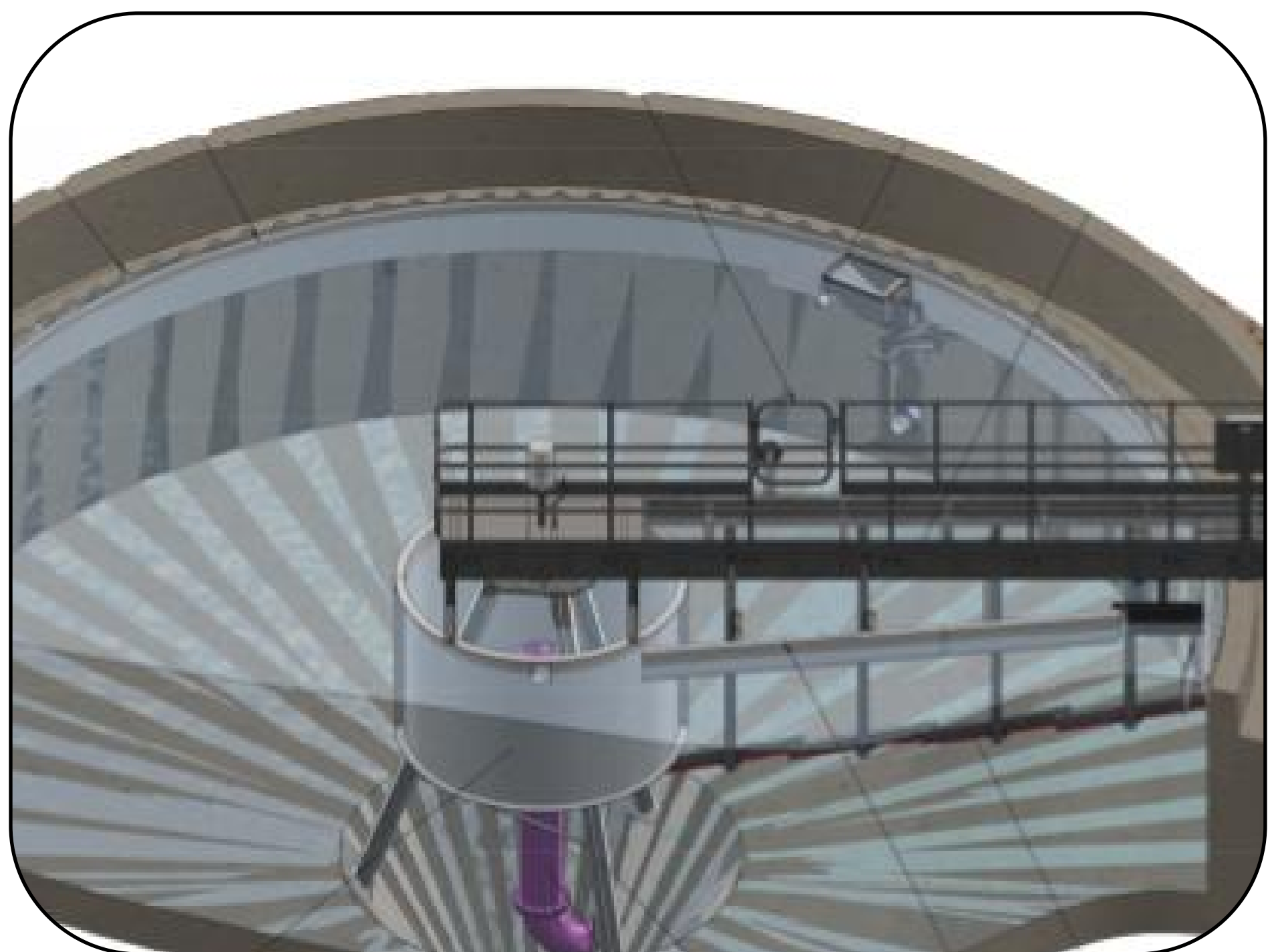
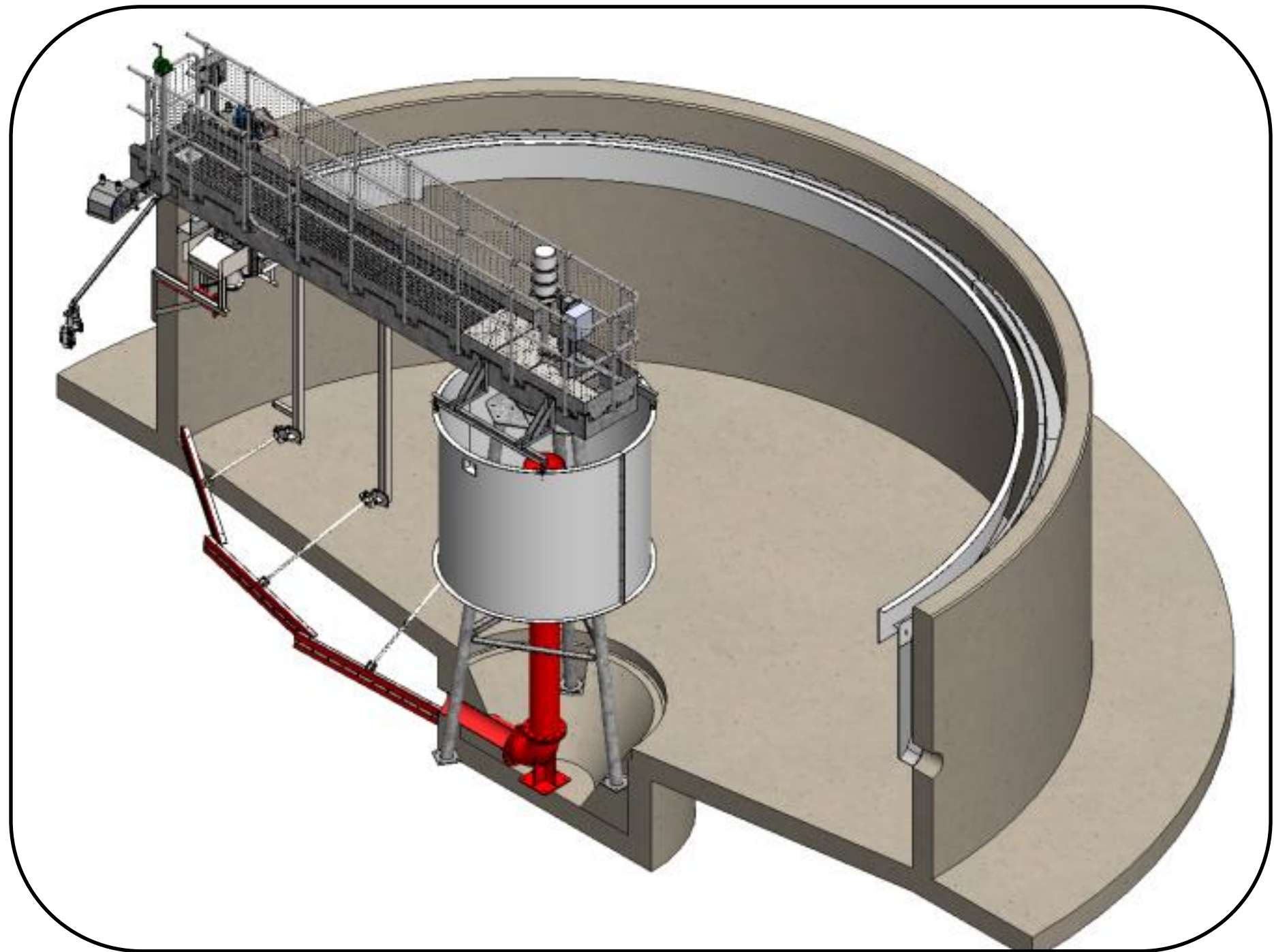
E: info@colloide.com



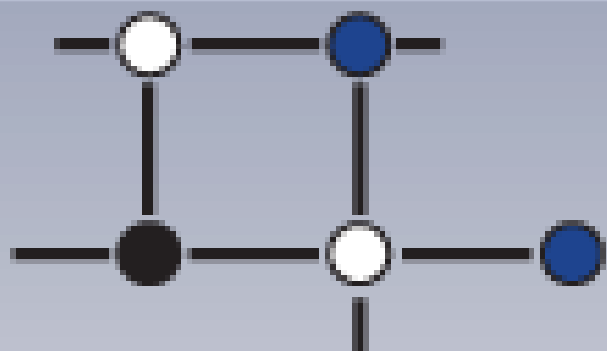
www.colloide.com

Case Study

EARLSTON WWTW ROTATING HALF BRIDGE SCRAPERS



colloide



T: 028 8675 8638

E: info@colloide.com

General Scope:

Earlston WwTW is located on the bank of the Leader Water in the Scottish borders, local to the town of Earlston. Earlston WwTW is a traditional biofilter works with an inlet screen, storm storage, 1 No PST, 2 No. Biofilters and 1 SAF, and 2 HSTs. The primary settlement tank and existing humus settlement tank required the removal and complete replacement of the half bridge scraper arrangement system, including all associated ancillaries. A newly built humus tank on site also required a 8.76m half bridge scraper in order for the works to cope with current demand.

www.colloide.com