



‘ACWA undertake refurbishment of all existing scraper bridges’

ACWA design and manufacture a complete range of settlement tank scrapers and picket fence thickeners to suit most waste water and industrial effluent applications.

Our scrapers generally fall into two main categories; fixed bridge scrapers and rotating bridge scrapers.

Fixed bridge scrapers have a stationary bridge which spans the tank and a scraper mechanism that is supported and driven from the centre.

Rotating bridge scrapers have one end of the bridge supported and pivoted by a slewing ring arrangement at the tank’s centre while the other end is supported by an end carriage assembly that moves around the tank’s outer wall or running track.

The scrapers themselves can be designed to fit any floor type and can be either fixed, trailing or a combination of the two. In addition, chain type scrapers for steep floor tanks, or hydrostatic draw-off tubes and vee scrapers can be provided for flat bottomed tanks.

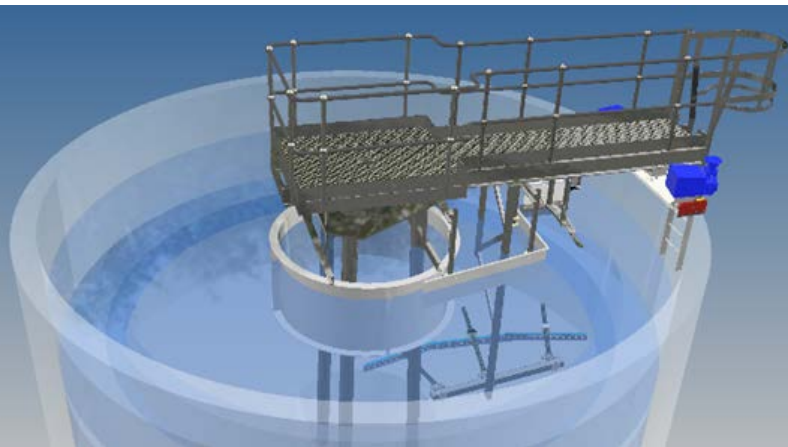


‘ACWA can supply a complete range of settlement tank scrapers and thickeners for waste water & industrial effluent applications’

ACWA Scraper Type	ACWA size range	Side wall depth
Rotating Half bridge	6.0 to 35.0m diameter	1.5m to 4.0m
Rotating Full bridge	Up to 40.0m diameter	2.0m to 4.0m
Fixed Bridge	Up to 30.0m diameter	2.0 to 4.0m
WRC Thickener	1.6m to 16.0m diameter	1.5m to 5.0m
Picket Fence Thickener	3.0m to 6.0m diameter	2.5 to 5.0m
Rectangular Tank Scraper	5 to 24.0m width	2.0 to 6.0m



Rotating half bridge scrapers on ACWA treatment plant



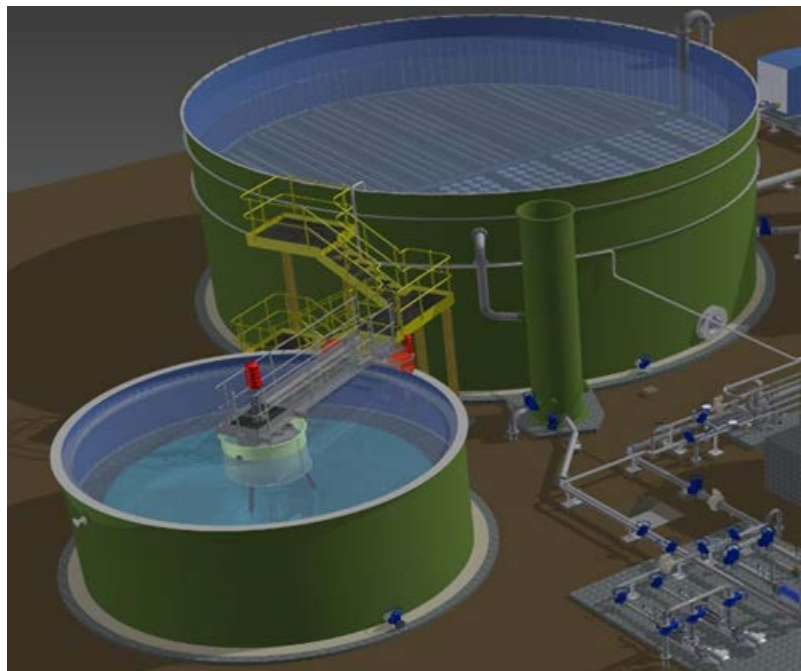
In house 3d modelling of scraper bridges designs



ACWA refurbishment of existing scrapers on an effluent plant

Key Features

- Side wall scrapers
- Weir and channel cleaning
- Scum skimming and removal
- Centre support assembly
- Plain, Vee Notch or Castellated weirs
- Peripheral speed choice
- Retractable scraper blades
- Bridge mounted control panel



ACWA settlement tank and aeration tank during design

ACWA Services Ltd

ACWA House, Unit 9, Acorn Business Park, Skipton, BD23 2UE
 info@acwa.co.uk, www.acwa.co.uk, t: 01756 794 794