

Engineered Solutions for Water & Wastewater Treatment

Project Examples



Clarifier — Pulp and Paper
Tasmania



Lamella Clarifier — Steel Manufacturing
New Zealand



Clarifier — Municipal STP
Queensland



Clarifier — Municipal WWT
New South Wales



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Clarifier Systems

Protecting Water. Protecting People.
For All of Australia and Beyond.



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Smith & Loveless Australia
Pty. Ltd.

World-Class Clarifier Solutions

EXPERIENCE

- More than 65 years designing & manufacturing clarifier equipment and systems
- More than 500 installations globally



INNOVATION

- S&L has a continuous program of product research and development



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Smith & Loveless Australia
Pty. Ltd.

The Choice is Clear

CLAR-I-VATOR®

- Solids-contact clarifier system
- Combines flash-mixing, flocculation, sludge collecting and thickening
- Concrete or steel tank
- Multiple flocculation hood sizes
- For potable water or sewage treatment
- Lime saturators



Rectangular Scraper Systems

- FINNCHAIN non-metallic sludge collectors
- FINNCHAIN scum removal



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Clarifier Design Options and Accessories

ACCESS BRIDGES

- Designed to Specific Structural Code
- HDG, Aluminum, FRP Handrail Options
- Access Platform Options

PERIPHERAL DRIVE

- Units up to 60m Diameter
- Electro-Mechanical Torque Control
- Safety Plough



CENTRE DRIVE



EDI WELL

- Radial Port Design
- Adjustable Outlet Design
- Proprietary EDI Designs Available



FLOCCULATION WELL

- Metallic or Non-metallic Panels
- Scum Spray Removal Systems



SCUM REMOVAL

- Dry & Wet Beach Scum Boxes
- Automated Flushing Systems
- Spray Systems
- Scum Baffles



LAUNDER OPTIONS

- Stainless Steel Launder Options
- Adjustable Weirs
- Launder Covers
- Launder Spray Wash



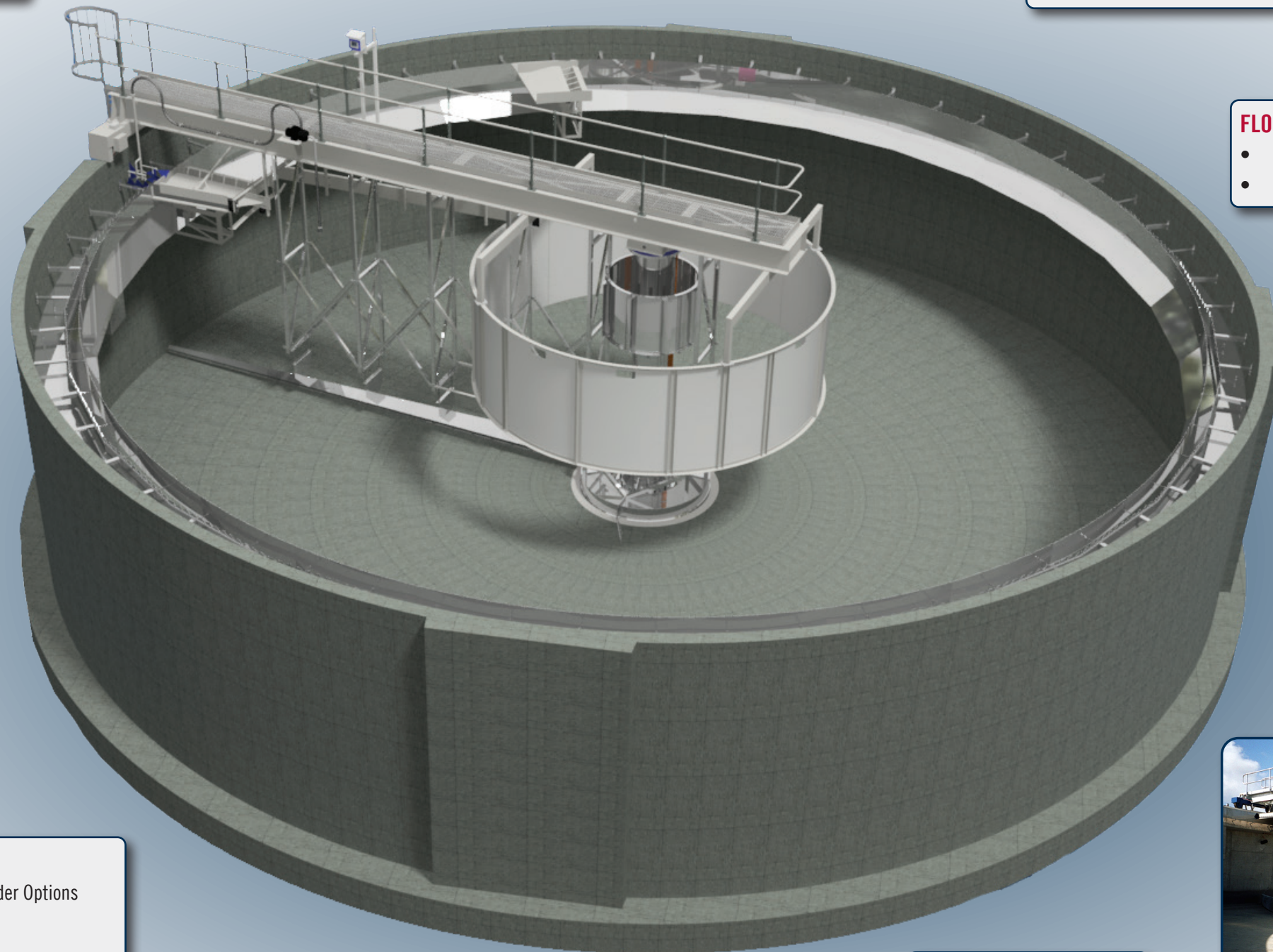
BAFFLE SYSTEMS

- Stamford Baffles
- Crosby Baffles



SLUDGE COLLECTOR ARMS

- Suction Arm
- Log Spiral Scrapers
- Plough Scrapers
- Suction Lift System



Smith & Loveless has been providing quality solutions for more than 60 years to the Australian market. We offer locally based engineering and customer services, supported by the experience and resources of the S&L global group of companies.

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World-Class Clarifier Solutions

Lamella Clarifiers

- High-rate Lamella plate systems
- New or retrofit options
- 304/316 stainless steel internals
- Concrete or steel tank
- Mechanical scraper / thickener rake
- Chemical mixing / flocculation options
- Scum removal systems
- Pneumatic plate cleaning systems



Tube Settler

- Cost-effective tube settlers
- New or retrofit options



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Applications and Clarifier Types

MUNICIPAL & INDUSTRIAL SYSTEMS

- Municipal sewage treatment
- Mining resource industry
- Steel manufacturing
- Pulp & paper
- Food & beverage



PERFORMANCE

WATER & WASTEWATER TREATMENT

- Primary & secondary clarification
- Turbidity reduction
- Lime softeners
- Backwash recovery
- Phosphorus removal
- Desalination applications



VALUE

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