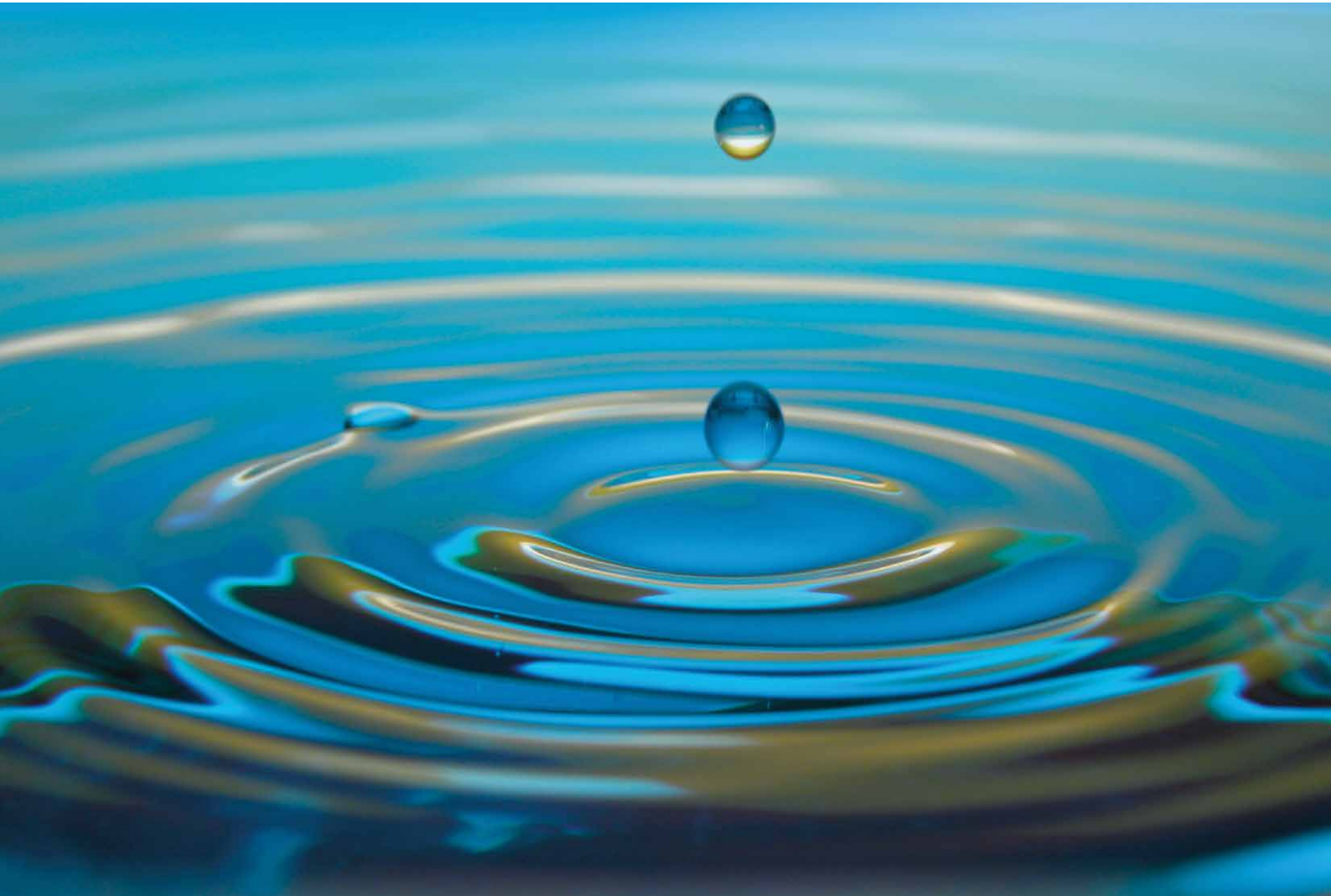
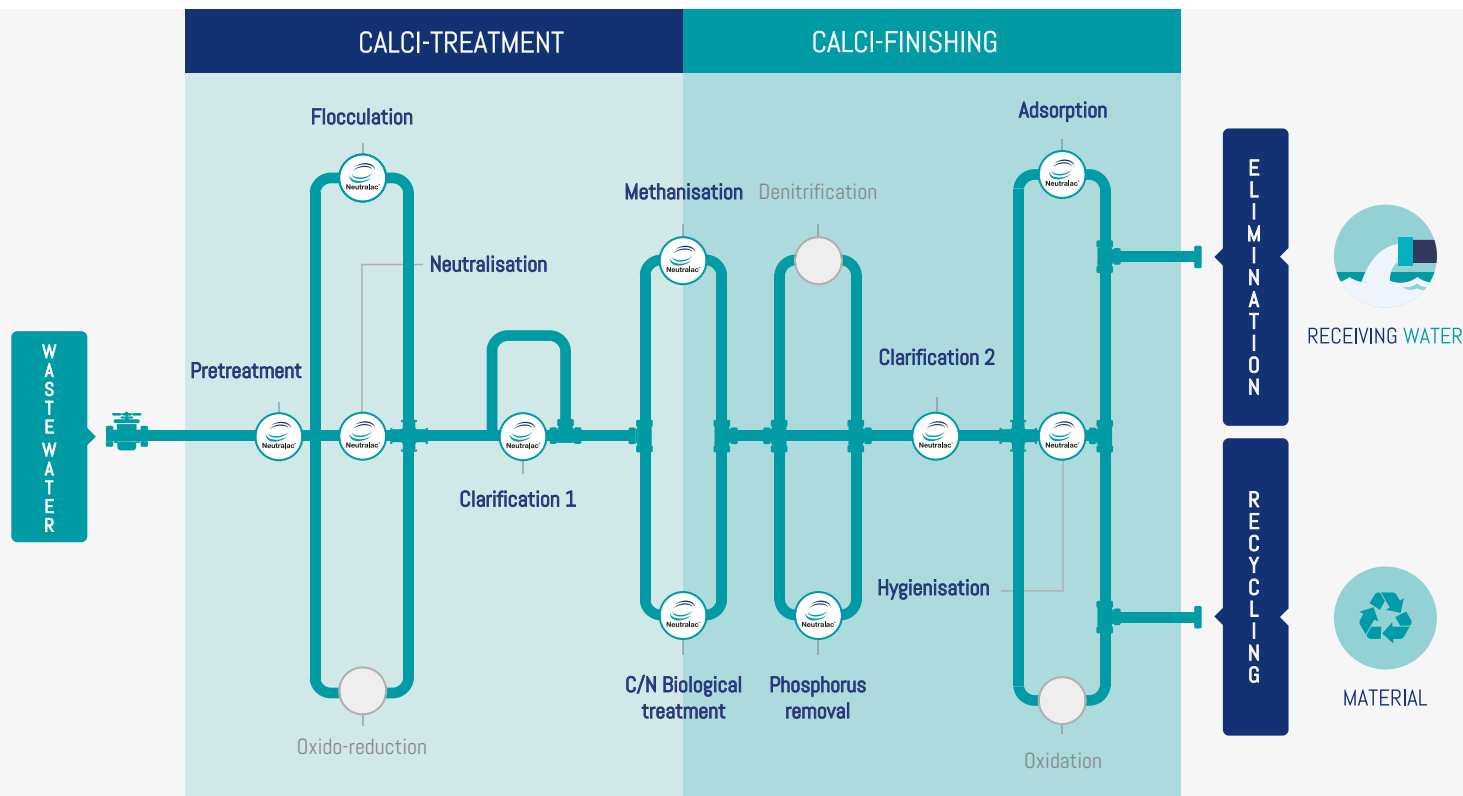




WASTEWATER & SLUDGE TREATMENT

WASTEWATER PROCESS

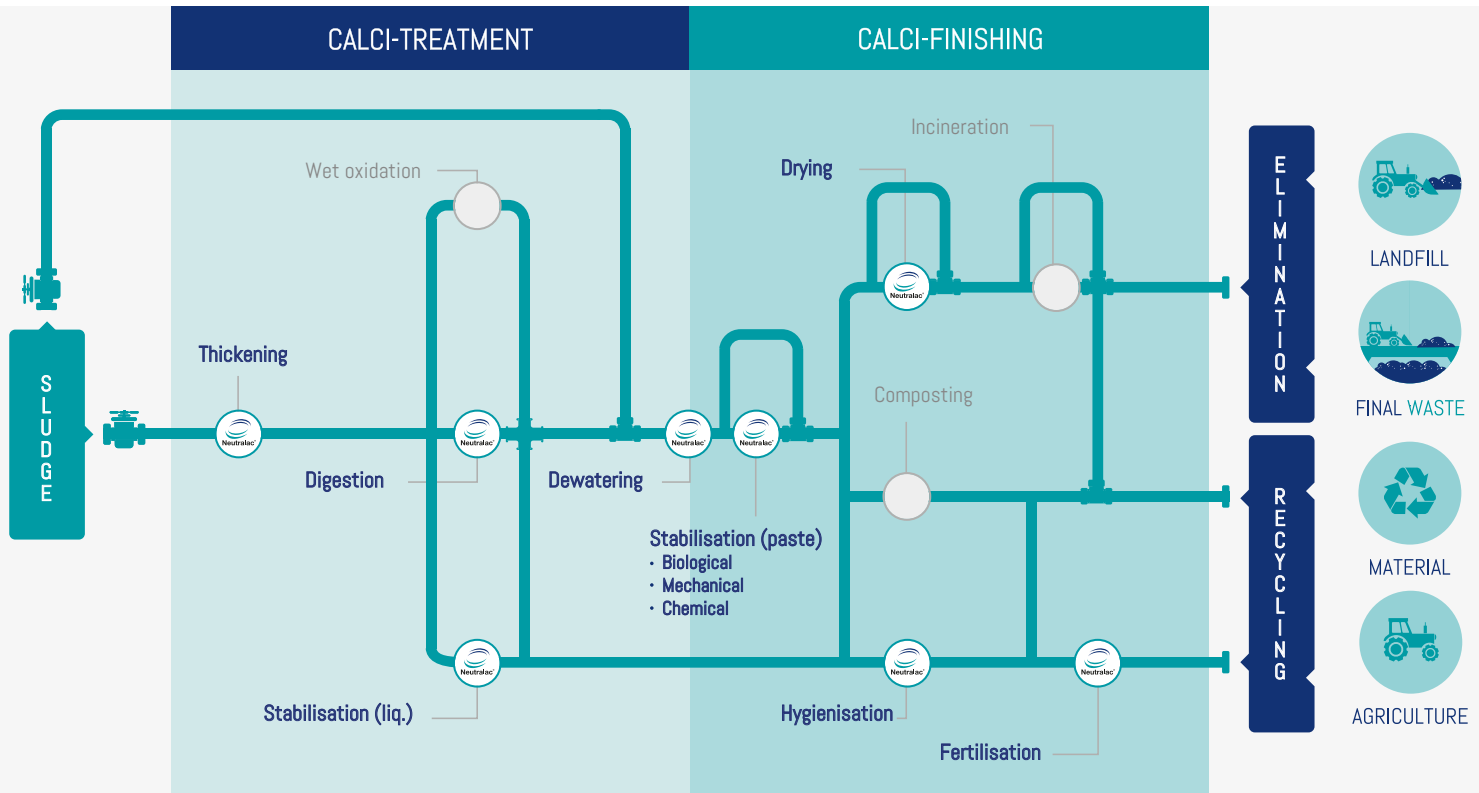


Wastewater treatment is the process of removing contaminants from wastewater. It includes physical, chemical and biological processes to eliminate pollutants. Once treated, water can then be released back into nature or recycled. The Neutralac® offer provides you with specific solutions to optimise the wastewater treatment of municipal purification plants as well as industrial sites.



WASTEWATER & SLUDGE

SLUDGE PROCESS



The sludge accumulated in a wastewater treatment process must be treated and disposed of in a safe and effective manner. The sludge treatment methodology used depends upon the amount of sludge generated and other site-specific conditions. Neutralac® reagents, which are environmentally-friendly, improve sludge dewatering and hygienisation and produce sludge adapted to the selected disposal route.



TREATMENT

FURTHER APPLICATIONS



LAKE LIMING



POLLUTED SOILS
AND MATERIALS



MARINE
SEDIMENTS



MINING
OPERATIONS



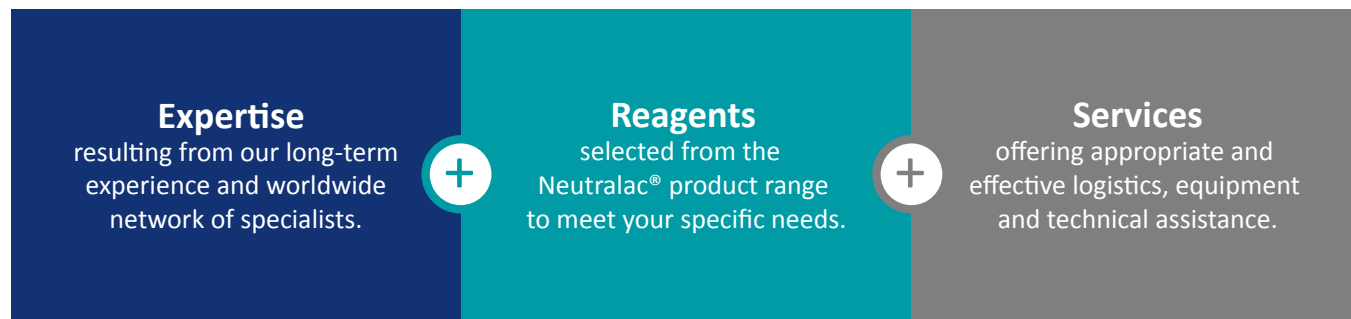
BIOGAS

Thanks to its Neutralac® reagents and technology, Lhoist is developing new solutions to improve the removal of pollutants and reuse of materials, to treat and prevent acidification and to optimise biogas generation.



THE LHOIST OFFER

Neutralac® is a global brand of the Lhoist Group which offers you a complete solution.



SOME REFERENCES

Urban water treatment plant

Issue: Filter press dewatering optimisation
Solution: Neutralac® Q SR

Water treatment plant

Issue: Centrifuge dewatering optimisation
Solution: Neutralac® Calci-Flo

Lagoon treatment

Issue: Odour control
Solution: Neutralac® SL

Mining industry

Issue: Neutralisation of mining water by milk of lime (from Duwa-Matic™)
Solution: Neutralac® Q 90

Pharmaceutical industry

Issue: Phosphates removal
Solution: Neutralac® SLS45

Chemical industry

Issue: Automated milk of lime preparation
Solution: Neutralac® H, Neutralac® Stabi-Matic

Food processing industry

Issue: Odour control
Solution: Neutralac® SL, Idra-Stock

Food processing industry

Issue: Biogas yield increase
Solution: Neutralac® SLS45

Paper industry

Issue: Clarification of water by milk of lime (from Duwa-Matic™)
Solution: Neutralac® Q 90

Paper industry

Issue: pH stabilisation, dehardening, odour removal and process stability
Solution: Neutralac® SLS45, Idra-Stock

Automotive industry

Issue: Heavy metals removal
Solution: Neutralac® SLS45

Hot-rolled strip plant

Issue: Heavy metal precipitation, COD removal and oil elimination
Solution: Neutralac® SLS45

PRODUCT RANGE

Reagents dedicated to neutralisation and stabilisation

Neutralac® C	Calcium carbonate
Neutralac® Q	Quicklime
Neutralac® H	Hydrated lime
Neutralac® SL	Milk of lime

High performance reagents for a controlled neutralisation

Neutralac® SL HR	Ready-to-use milk of lime – high reactivity
Neutralac® SLS45 *	Ready-to-use milk of lime – high reactivity and high concentration

High performance reagents to improve dewatering performances

Neutralac® Q SR	Lime with delayed reactivity for filter press
Neutralac® Calci-Flo Easy-Light *	Liquid polymer/lime hybrid for centrifuge
Neutralac® Calci-Flo Opti-Light *	Solid polymer/lime hybrid for centrifuge

* Patented

Lhoist,
your global partner for wastewater and sludge treatment

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Expertise
resulting from our long-term experience and worldwide network of specialists.

+

Reagents
selected from the Neutralac® product range to meet your specific needs.

+

Services
offering appropriate and effective logistics, equipment and technical assistance.

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www.lhoist.com
www.neutralac.com



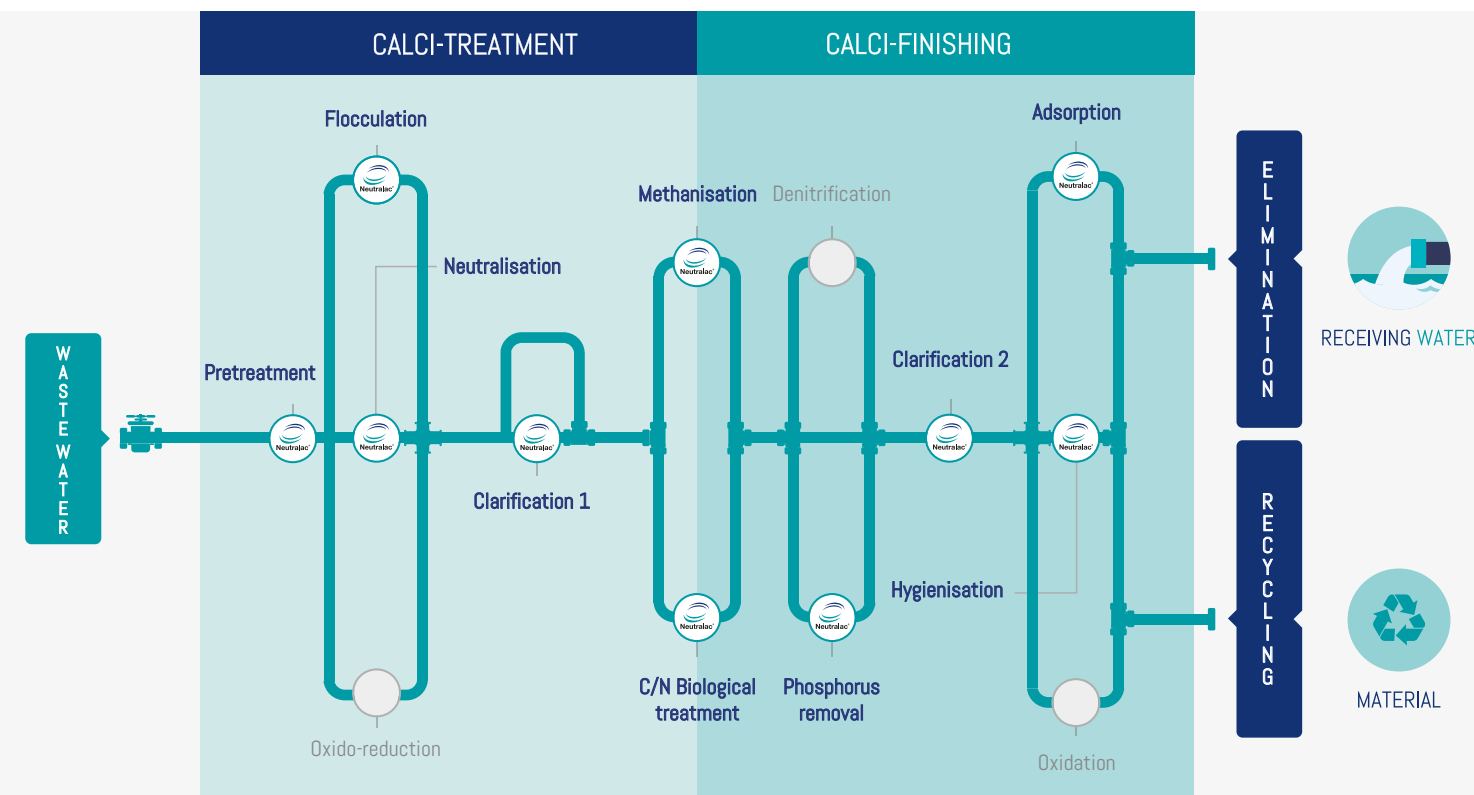
Neutralac® is a registered trademark of Lhoist Recherche et Développement S.A. - Photos: Lhoist / Stock - Feb. 2015
Lime substances are classified under Regulation (EC) No 1272/2008 on the classification, labelling and packaging of substances and mixtures (CLP Regulation).
Before handling, always read the extended Safety Data Sheet (e-SDS) and container labels for safe use, physical and health hazard information of the specific product.

WASTEWATER & SLUDGE TREATMENT

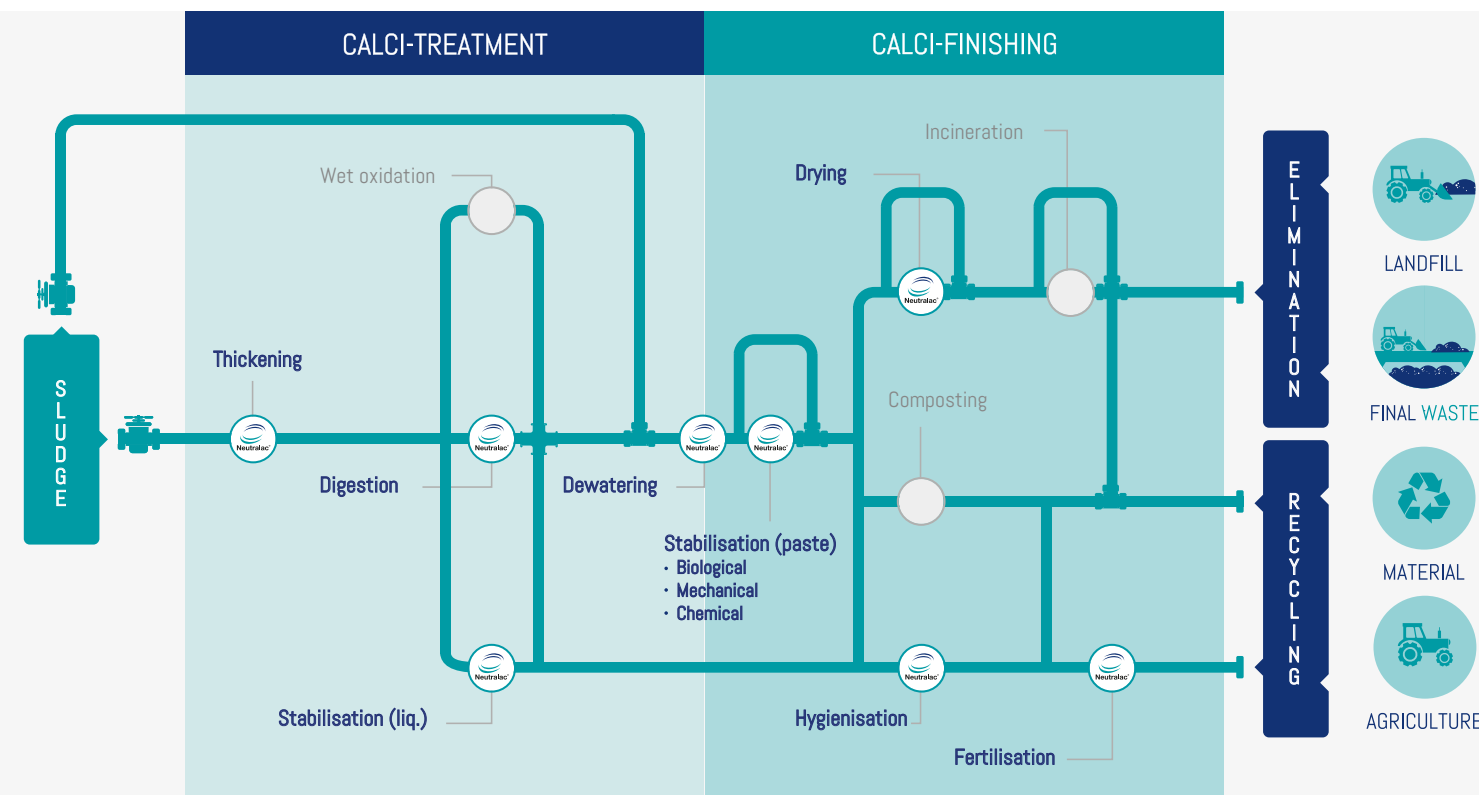


SOLUTIONS FOR ALL WASTEWATER & SLUDGE TREATMENT

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SLUDGE PROCESS



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