PLA
PROCESS
ANALYSERS

BED-LEVELS

DENSITY ANALYSER

CLARITY ANALYSER

A/C RATIO ANALYSER

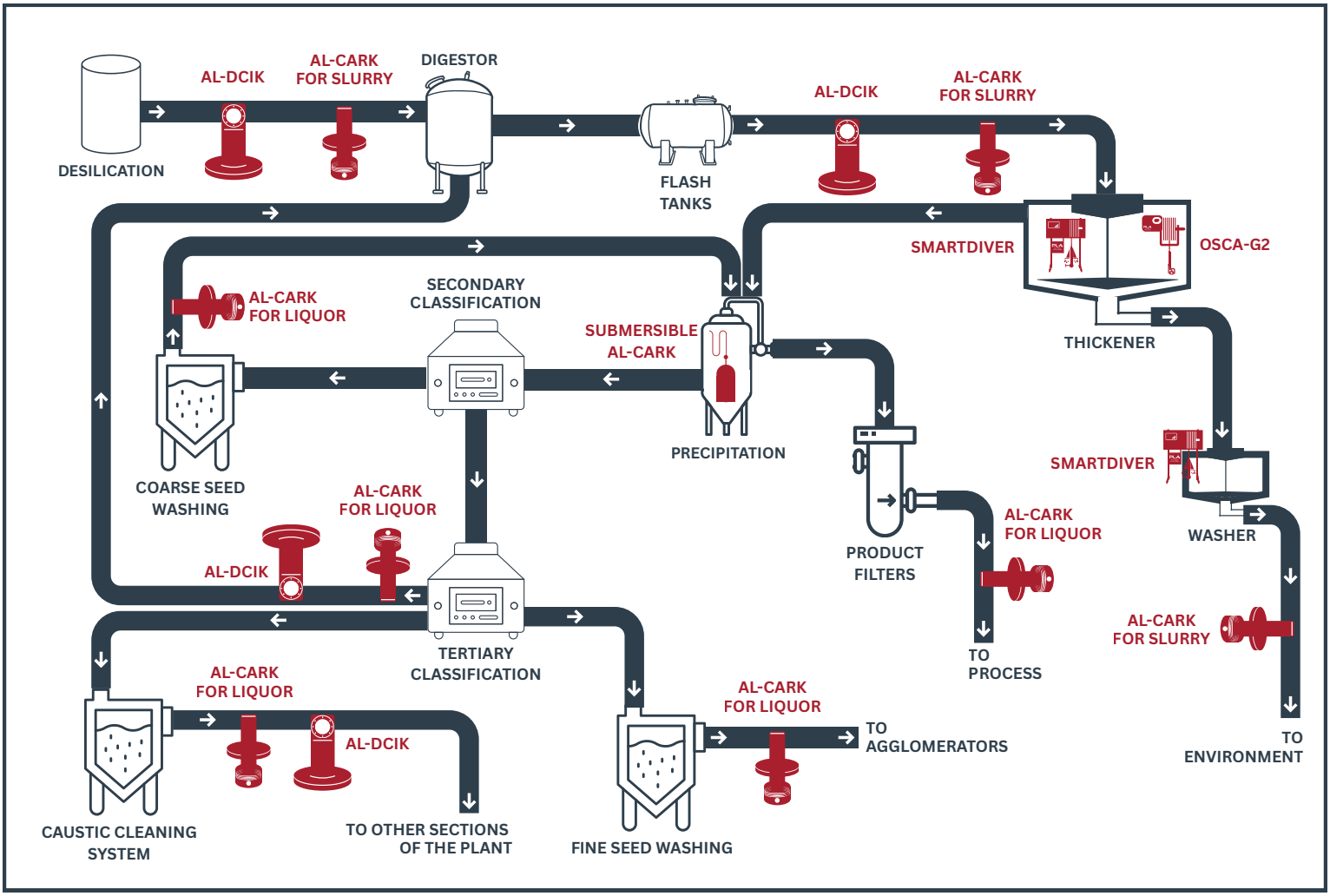
THE COLLECTIVE APPLICATION OF PLA'S ANALYSERS **OPTIMISES PERFORMANCE** ACROSS **DIGESTION, SOLID-LIQUID SEPARATION, CLARIFICATION & PRECIPITATION** PROCESSES FOR **ALUMINA REFINING**.

APPLICATION

The combined deployment of SMARTDIVER®, AL-CARK®, AL-DCIK®, and OSCA-G2® enables real-time control of critical process parameters in Alumina Refining.

They provide continuous, reliable measurements of bed levels, phase densities, A/C ratios, and suspended solids across various process stages.

The integration of these Analysers enable Operators a more precise control of feed densities, flocculant dosing, overflow clarity and soda concentrations.



PRECISION LIGHT & AIR PTY LTD

17 Sir Laurence Drive, Seaford Vic 3198, Australia

P: +61 3 9786 1711 **E:** sales@plapl.com.au **W:** www.plapl.com.au

The SmartDiver® **Advantage**

- Enhance Overflow Clarity Increase Underflow Density
- Optimise Flocculants consumption
- Avoid Negative Events (Rake Bogging/ Flaring) & Increase availability of Thickener

The OSCA-G2® **Advantage**

- Optimisation of TCA in terms of lime addition.
- Optimisation of filter aid & reduction of filter maintenance.
- Aids in the reduction of overflow solids events by providing real time clarity readings.

The AL-CARK® **Advantage**

- Reduces Caustic Soda consumption by maintaining optimal NaOH concentration.
- Stable Precipitation Feed Density improves yield & minimises fines.

The AL-DCIK® **Advantage**

- Real-Time A/C Ratio Control.
- Improves Digestion Efficiency & minimises Alumina losses from poor Ratio Control.
- Enables process automatisation of Alumina to Caustic ratio control.

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