

ECORA Solutions: Service Catalogue



Keeping material moving. Reducing build-up material at the source.

ECORA SOLUTIONS

One Complete Solution. Four Integrated Components.



ECORA Solutions combines four integrated components to deliver measurable improvements in productivity, equipment availability and operational performance.

Results at a Glance

Baseline



With ECORA



WHY ECORA



ECO FRIENDLY

Safe for people and the environment



BIODEGRADABLE

99.8% biodegradable, inert and non-hazardous



AUSTRALIAN SUPPORT

Local manufacturing and support



MINING FOCUSED

Built for harsh mining conditions



PROVEN TECHNOLOGY

Patented surface engineering

From Trial to Full Deployment

Solutions Designed Around Your Operation



ECORA Trial



- Services include: Understand operational issue, Implement ECORA protocol, measure benefits, recommend the optimal long-term solution.

#	Major solution components
1	Project/ Schedule
2	Pump + Accessories
3	Consumable
4	Services + Business Intelligence

ECORA Jet



- Manual operation
- High mobility
- Spot treatment
- Areas with restricted access
- Low frequency use
- All environment conditions

#	Major solution components
1	Project design
2	Pump + Accessories + Electric components
3	Consumable
4	Services + Business Intelligence

ECORA Smart Jet



- Semi-automated
- Possible to move
- Integrated routine
- Consistent application
- Medium to large fleets
- Autonomy

#	Major solution components
1	Project design
2	Pump + Accessories + Sensors + Electronic/ Electric Control Panel
3	Consumable
4	Services + Business Intelligence

ECORA Auto Jet



- Fully autonomous
- Fixed equipment
- No Operator required
- Real time monitoring
- Large Scale operations
- 24/7 continuous operation

#	Major solution components
1	Project design
2	Pump + Accessories + Sensors + Electronic/ Electric Control Panel
3	Consumable
4	Services + Business Intelligence

ECORA Solution uses exclusively the ECORA - Eco Release Agent

ECORA ECO RELEASE AGENT

- Advanced nanotechnology
- Deep substrate penetration.
- Biodegradable and non-toxic.
- Durable non-stick barrier.



- High-capacity 1,000 L storage tank.
- Robust design for harsh mining conditions, and easy transport and site deployment.
- Supports continuous operation and reduced servicing requirements.

Every ECORA deployment is supported by specialist engineering services and data-driven business intelligence. Together, these components ensure the right solution is selected, implemented and continuously optimised for your operation.

Which Solution Fits Your Operation?



The table below highlights a selection of successful ECORA implementations across different commodities and equipment types. These real-world applications demonstrate how ECORA has helped mining operations improve material flow, reduce build-up and carryback, and deliver measurable operational benefits under a wide range of operating conditions.

Operation	Bauxite/ Alumina	Coal	Copper	Gold	Iron Ore	Rare Earths	Others
Excavators							
Haul Trucks							
Rail Wagons							
Chutes							

From Baseline to Measurable Benefits

Every ECORA trial begins by establishing a measurable operational baseline. The metrics selected vary according to the equipment, commodity and site objectives, allowing benefits to be quantified in operational, maintenance, safety and financial terms.

Metric

- Tonnes Moved per Shift
 - Equipment Availability (%)
 - Downtime Due to Build-up
 - Cleaning Hours per Month
 - Equipment Cycle Time
- ### Metric

 - Throughput (tph)
 - Truck Payload Efficiency
 - Cost per Tonne Moved
 - Safety Interventions Avoided
 - ROI & Payback Period

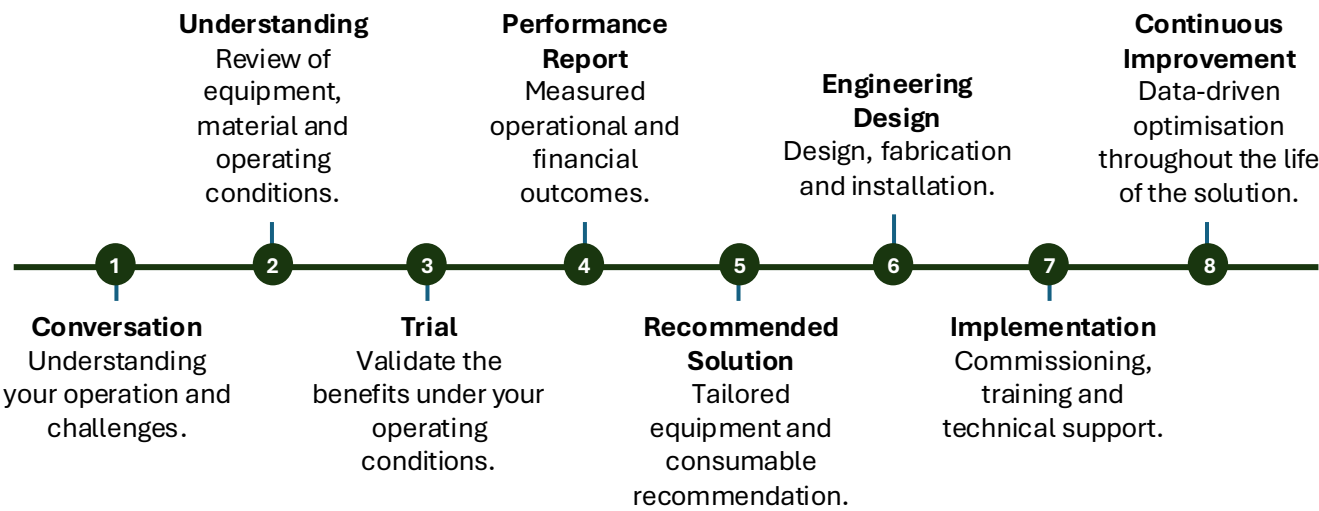
Selecting the right ECORA solution depends on the application, equipment and operational objectives. The table below provides a guide to the solutions most commonly deployed for each asset type, together with the typical benefits achieved in the field.

Operation	Trial	Jet	SmartJet	AutoJet	Examples of real Outcomes
Excavators	✓	✓✓✓	✓✓	✓	• 50% reduction in downtime for cleaning • 30% improvement on productivity
Haul Trucks	✓	-	✓✓	✓✓✓	• 90% reduction in carryback • 80% reduction in downtime • 50% reduction in each cleaning time
Rail Wagons	✓	-	✓✓	✓✓✓	• Up to 20% reducing in discharge time • 90% reduction in build-Up material
Chutes	✓	-	✓✓✓	✓✓✓	• 50% reduction in downtime • 50% reduction on labor • 30% improvement on productivity
Bulldozers	✓	✓✓✓	-	-	• 30% reduction in cleaning time • 50% reduction on water consumption

Our objective is simple: deliver measurable operational improvements with minimal disruption to your operation.



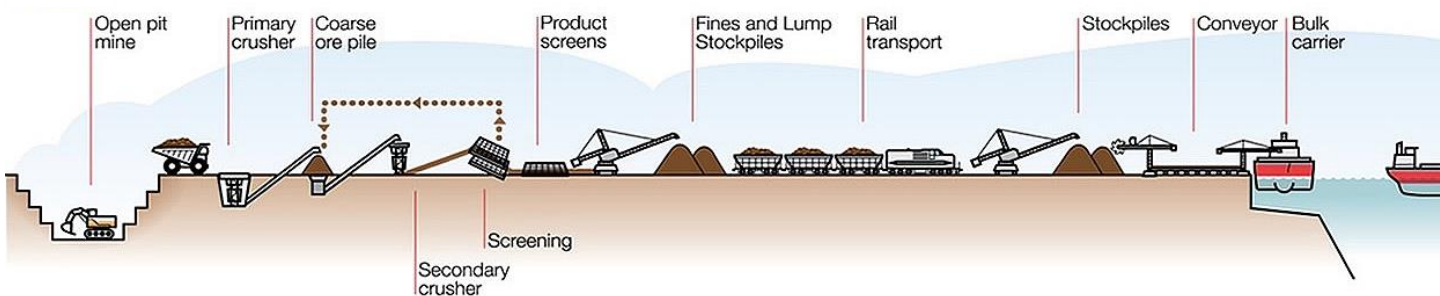
Simple and easy journey



BOOK YOUR TRIAL:
LET’S MEASURE HOW MUCH ECORA CAN DO FOR YOUR OPERATION

At the end of the trial, ECORA provides a performance report comparing the baseline and treated periods, quantifying operational benefits and recommending the most suitable long-term application system, consumable rate, maintenance approach and monitoring plan.

Application is manual during an initial trial or delivered through portable, semi-automated or fully automated ECORA application systems. The application volume and frequency are adjusted according to the asset geometry, surface condition, ore characteristics, moisture level and operating cycle.



info@ecorasolutions.com

ECORA
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