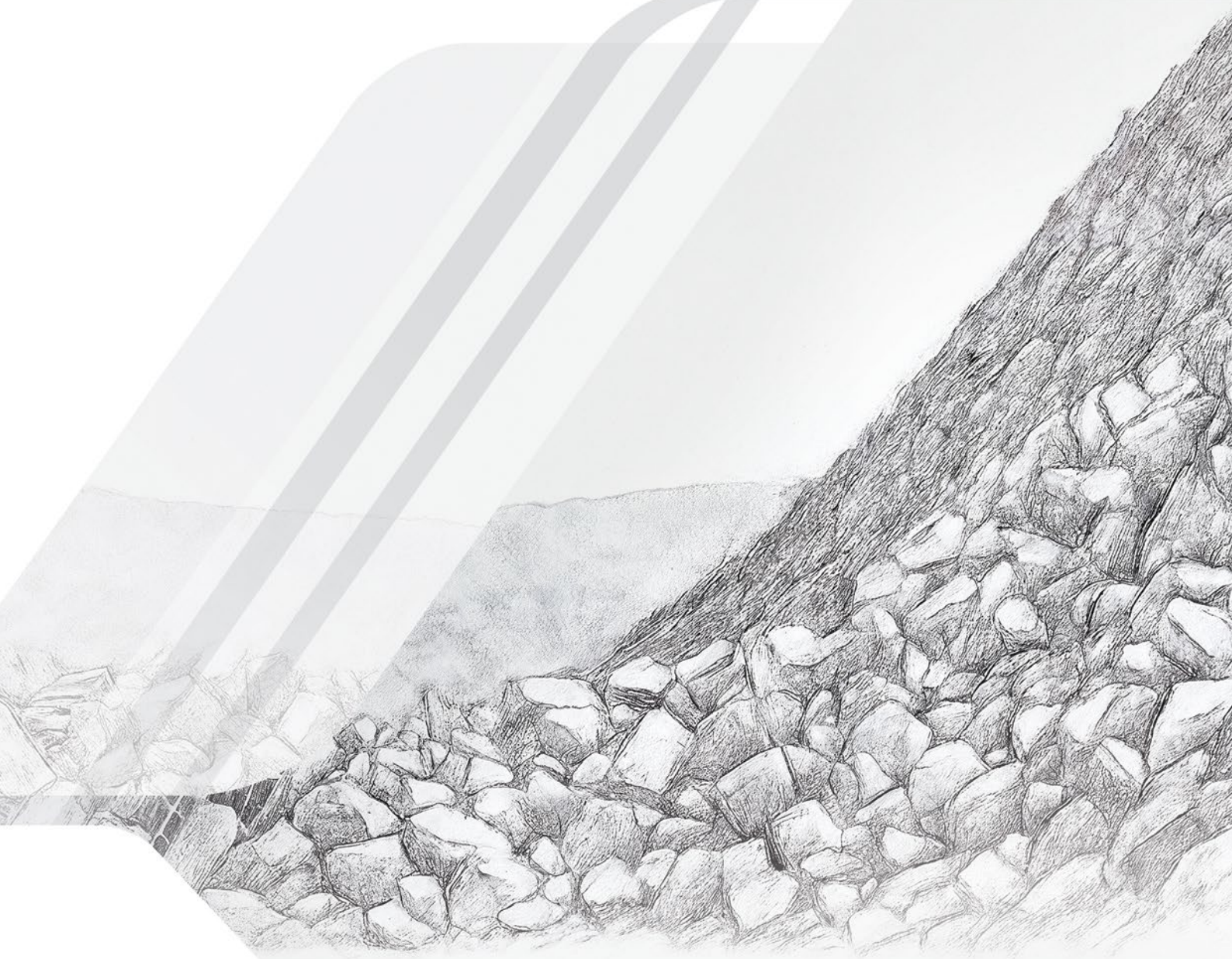


Reurban

Wet Processing System
for Waste Recycling





Waste Recycling

Transforming construction & demolition (C&D) waste into sustainable building materials and restoring contaminated soil.

Material Repurposed

C&D Waste | Incinerated Bottom Ash

Tunnelling Waste | Excavation Waste | Waste Glass

Contaminated Soil | Waste Foundry Sand

Eco-friendly wet processing technology converting C&D waste into high-quality construction grade sand and aggregate.

Keeping PM10 and PM2.5 to safe levels using wet processing technology.

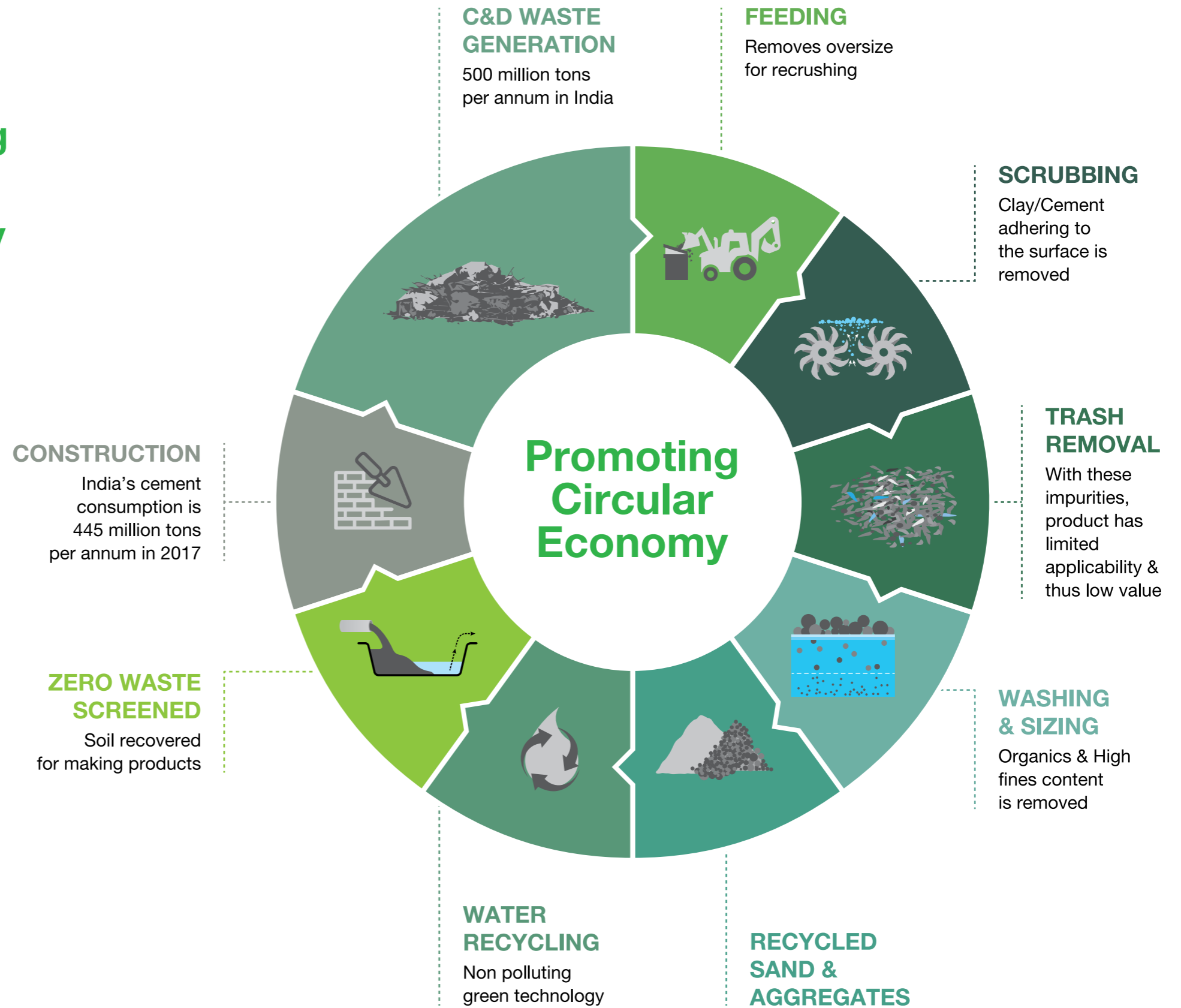
Conversion of 95-100% C&D waste into useful products. Zero waste.

Sieved, segregated and washed end products – ready to use in construction.

Maximum recycling of water, zero liquid discharge.

Use of processed wastewater, if available.

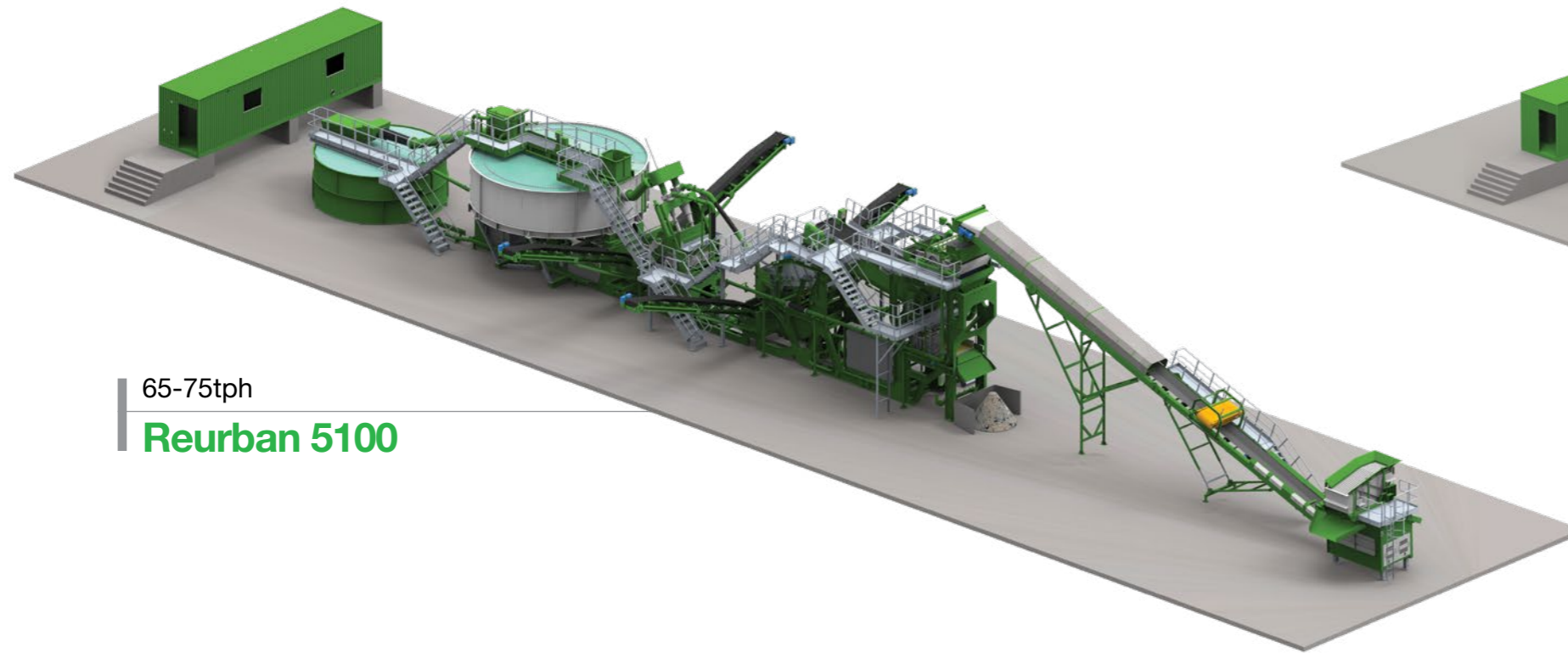
Option for In-situ mobile processing: to avoid multiple handling fugitive dust at loading/unloading points road congestion, vehicular pollution and cost of transportation.



The Reurban

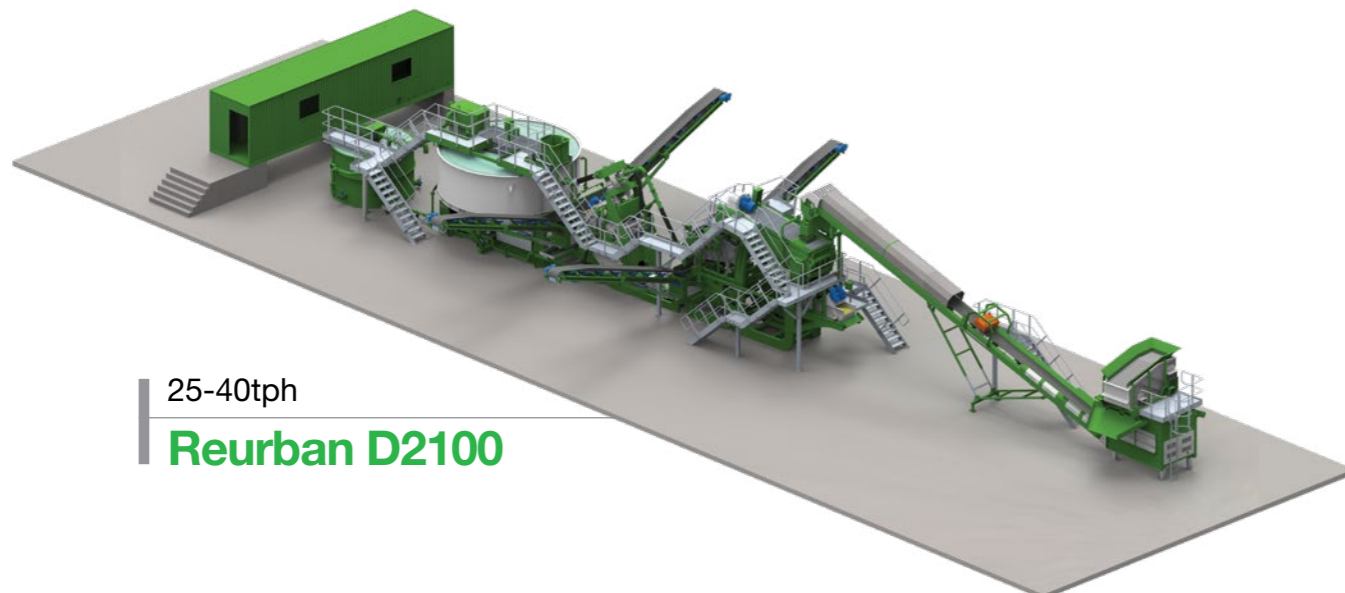
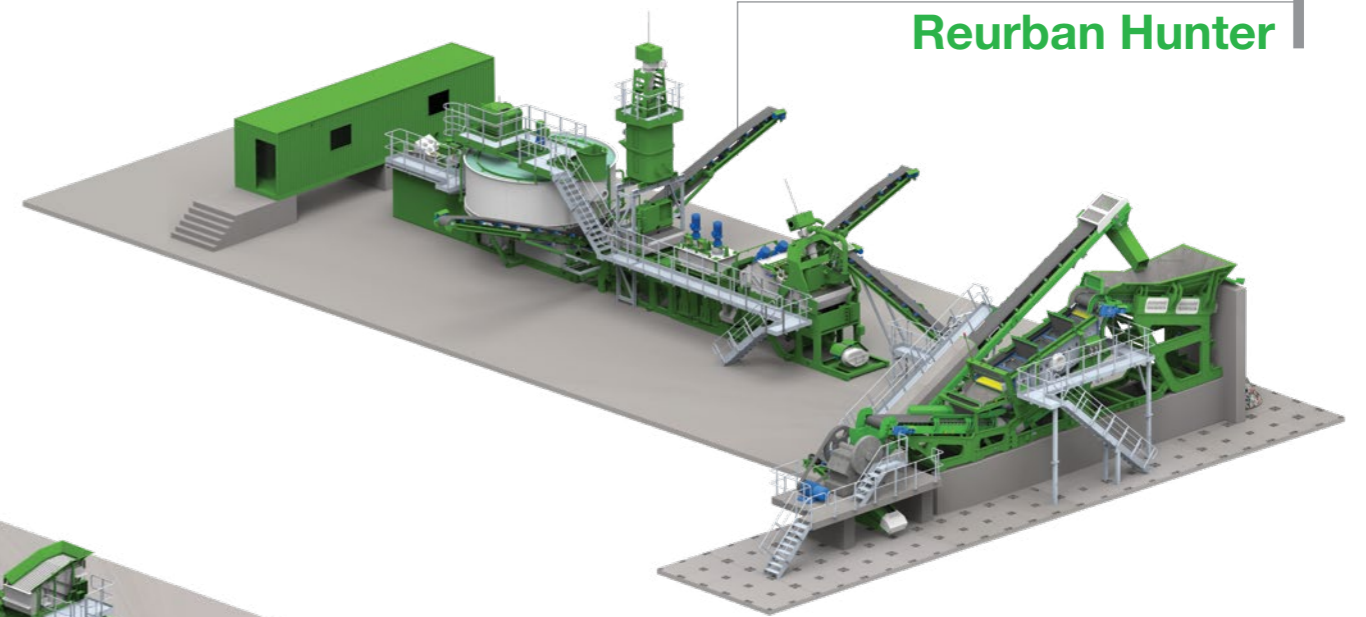
Biomining of Legacy Waste

Reurban Hunter



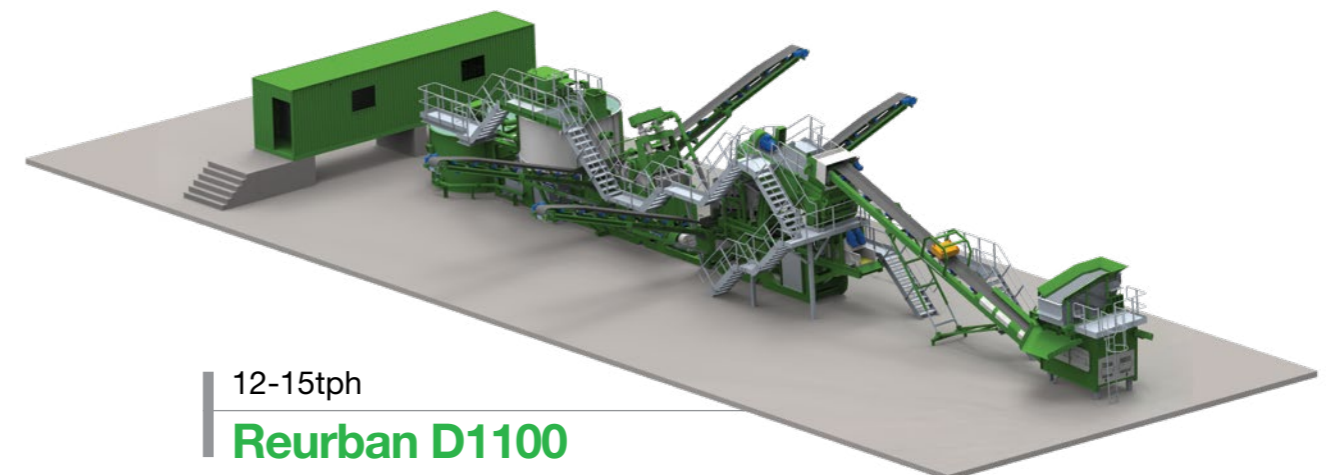
65-75tph

Reurban 5100



25-40tph

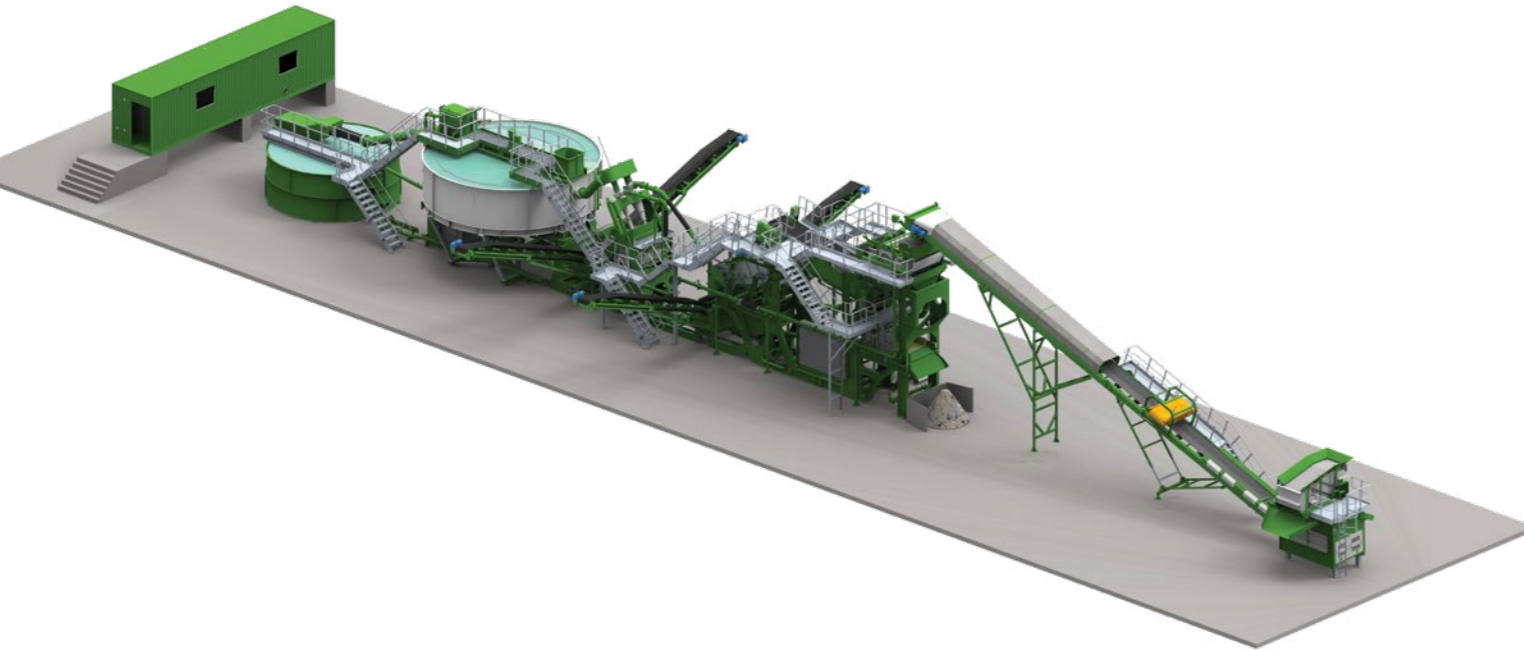
Reurban D2100



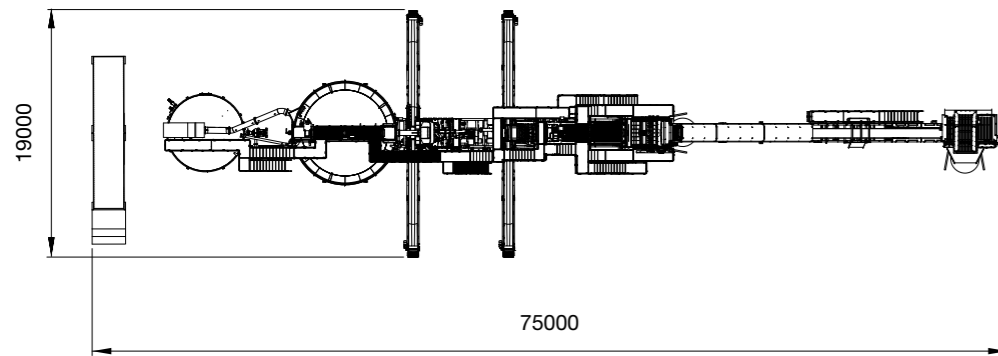
12-15tph

Reurban D1100

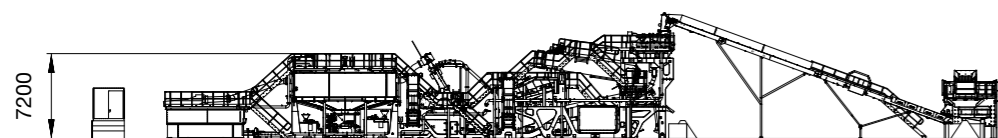
Reurban D5100



Dimensions



PLAN



ELEVATION

Click / Scan to see it in action



TECHNICAL SPECIFICATIONS

Feed Capacity#	65-75 tph
Number of Products	3 Aggregate, 1 Sand
Recommended Feed Size (typical)	<80mm
Silt Removal Capacity (minus 0.075mm)	25-30%
Moisture in Product	10-12%
Power Requirement	~257kW
Water Requirement	13-18m ³ /hr
Plant Footprint	75 x 19 meter

STANDARD FEATURES

Turbo Dual Wash Technology	✓
Feedmax: Feed Hopper	✓
Scalping Screen for Oversize Protection	✓
Permanent Magnet for Iron Removal	✓
Pre-Screen for Fines Removal	✓
Heavy-duty Scrubbing System	✓
Screenmax Circular Motion Rinsing Screen	✓
Light-weight Trash Removal	✓
Wing Stockpiling Conveyors	4
Soil Bay Manager	✓
Galvanised Walkway & Access Stairs for Durability	✓
Tungsten Tip Belt Scrapper	✓
Hydrostore: Water Storage & Pumping Station	✓
Screened Soil Discharge Pipework upto 50m Distance	✓
Electrical Pre-Wire	✓
Advanced Paint System for Surface Protection	✓

ACCESSORIES & SERVICES

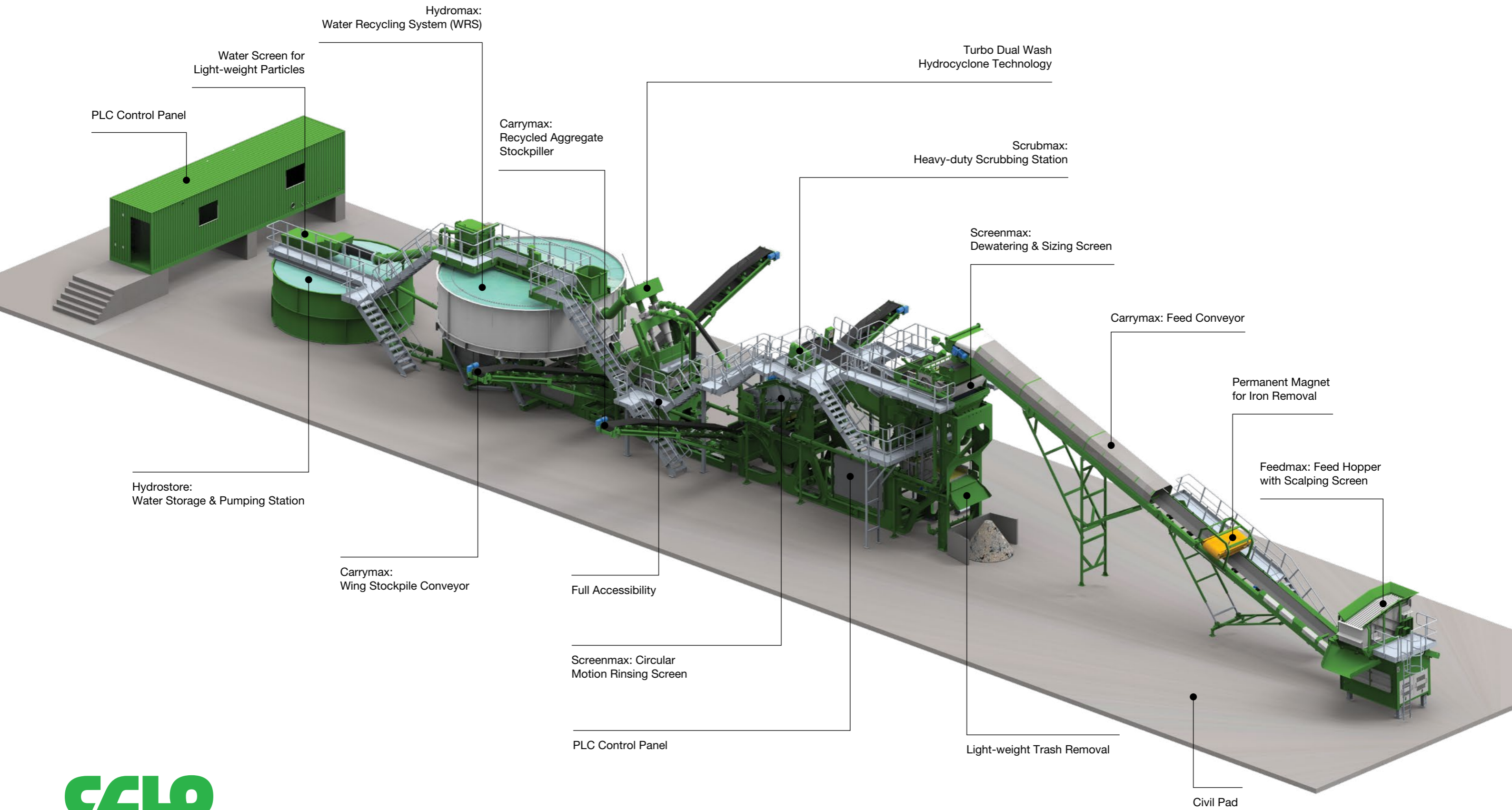
First-Fill Lubricants	✓
Set of Commissioning Spares & Maintenance Tools	✓
Erection & Commissioning Assistance (Supervision only)	✓
Civil Design Assistance	✓
Operator Training/Certification	✓
Operation & Maintenance e-Manual (in English)	✓
Cloud Link Connectivity Pack	Optional
Consultancy for use of Recycled Aggregates	Optional
Annual Maintenance Contract (AMC) Pack*	Optional
Complimenting Crushing & Screening System	Optional
Lime Dosing add-on for pH Conditioning	Optional

Standard capacity may vary with feed gradation

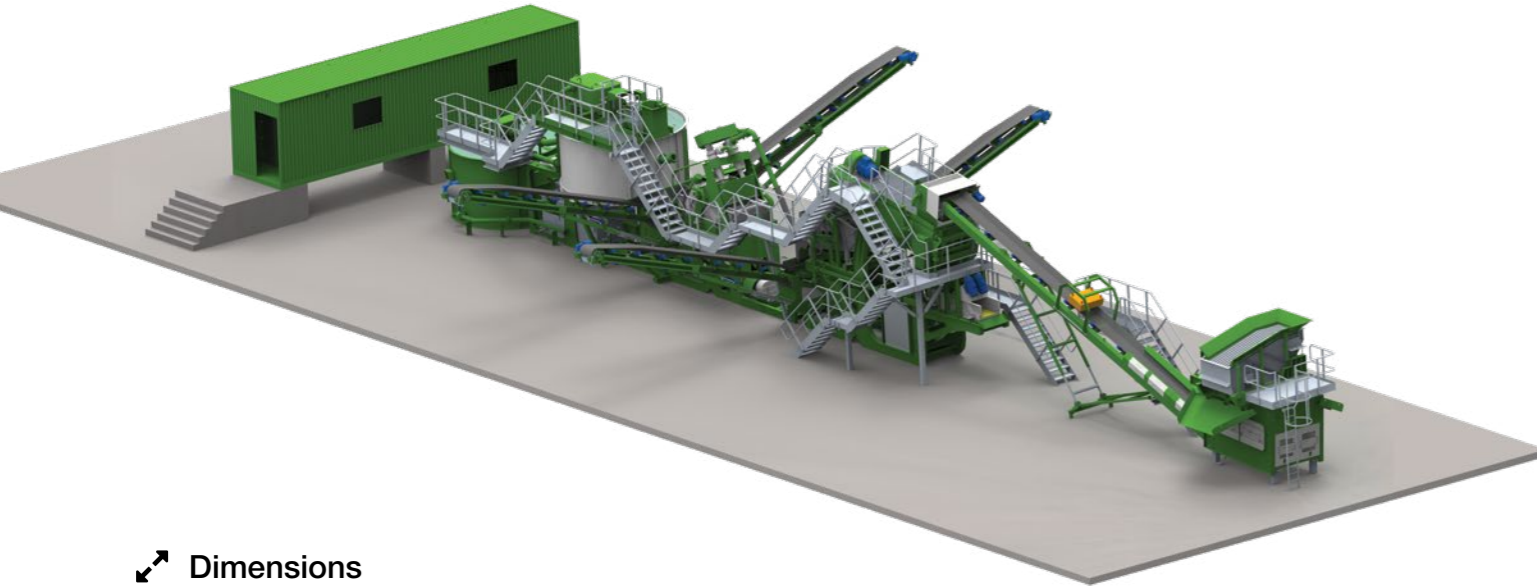
* Details provided upon request

Transport Plan:
18 X 40ft HCOT
Container

Reurban D5100

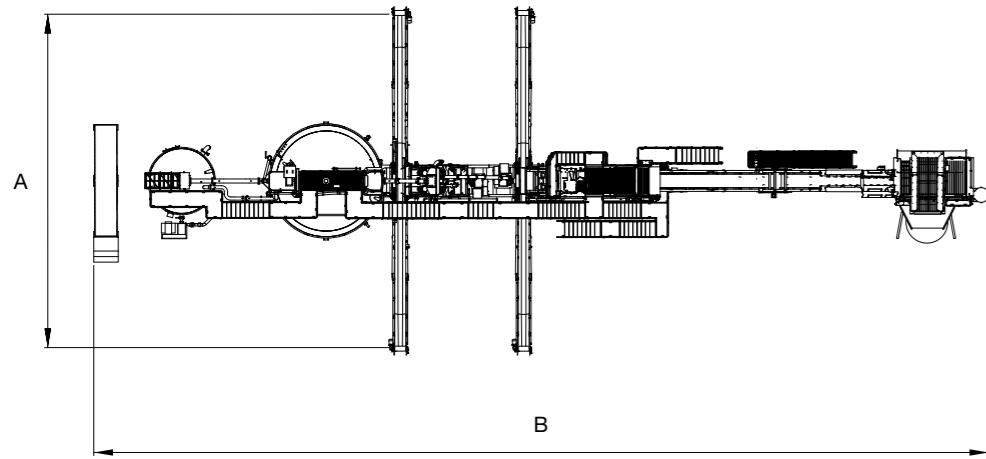


Reurban D1100

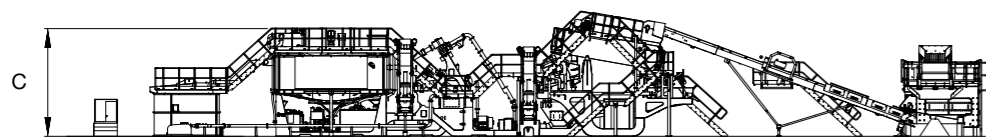


Dimensions

Plants	A	B	C
Reurban D1100	19000	50000	6200
Reurban D2100	19000	55000	6300



PLAN



ELEVATION

Illustration shown: D1100

Click / Scan to see it in action



TECHNICAL SPECIFICATIONS

	D1100	D2100
Feed Capacity#	12-15 tph	25-40 tph
Maximum Feed Size	<80 mm	<80 mm
Number of Products	3 Aggregates, 1 Sand	3 Aggregates, 1 Sand
Silt Removal Capacity (minus 0.075mm)	25-30%	25-30%
Moisture in Product	10-12%	10-12%
Power Requirement	~150kW	~173kW
Water Requirement	3-5m ³ /hr	7-10m ³ /hr
Plant Footprint	50 x 19 meter	55 x 19 meter

STANDARD FEATURES

Turbo Dual Wash Technology	✓	✓
Feedmax: Feed Hopper	✓	✓
Scalping Screen for Oversize Protection	✓	✓
Permanent Magnet for Iron Removal	✓	✓
Heavy-duty Scrubbing System	✓	✓
Screenmax Rinsing Screen	✓	✓
Light-weight Trash Removal	✓	✓
Wing Stockpiling Conveyors	4	4
Soil Bay Manager	✓	✓
Galvanised Walkway & Access Stairs for Durability	✓	✓
Tungsten Tip Belt Scraper	✓	✓
Screened Soil Discharge Pipework upto 50m Distance	✓	✓
Electrical Pre-Wire	✓	✓
Advanced Paint System for Surface Protection	✓	✓

ACCESSORIES & SERVICES

First-Fill Lubricants	✓	✓
Set of Commissioning Spares & Maintenance Tools	✓	✓
Erection & Commissioning Assistance (Supervision only)	✓	✓
Civil Design Assistance	✓	✓
Operator Training/Certification	✓	✓
Operation & Maintenance e-Manual (in English)	✓	✓
Cloud Link Connectivity Pack	Optional	Optional
Consultancy for use of Recycled Aggregates	Optional	Optional
Annual Maintenance Contract (AMC) Pack*	Optional	Optional
Complimenting Crushing & Screening System	Optional	Optional
Lime Dosing add-on for pH Conditioning	Optional	Optional

Transport Plan:
12 X 40ft HCOT
Container

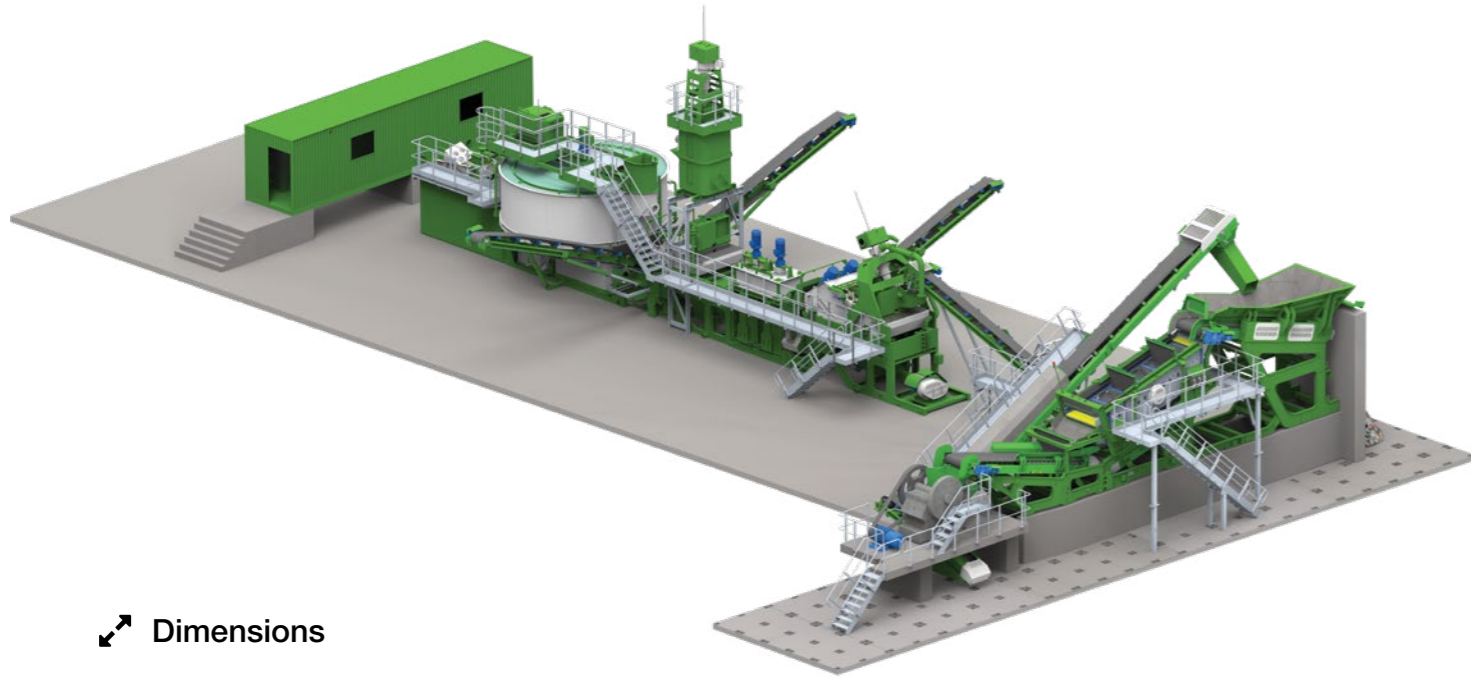
Transport Plan:
16 X 40ft HCOT
Container

Standard capacity may vary with feed gradation

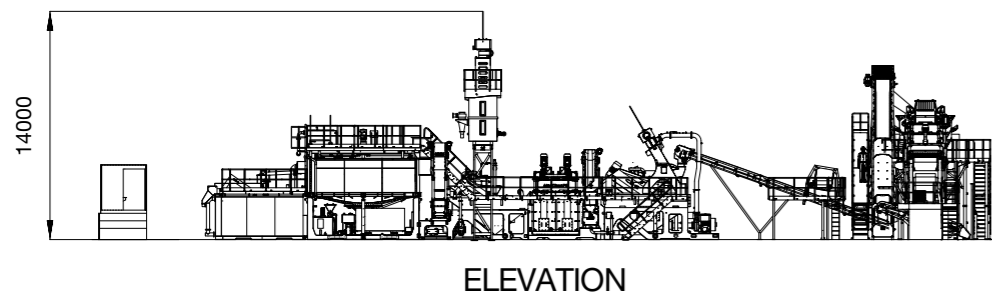
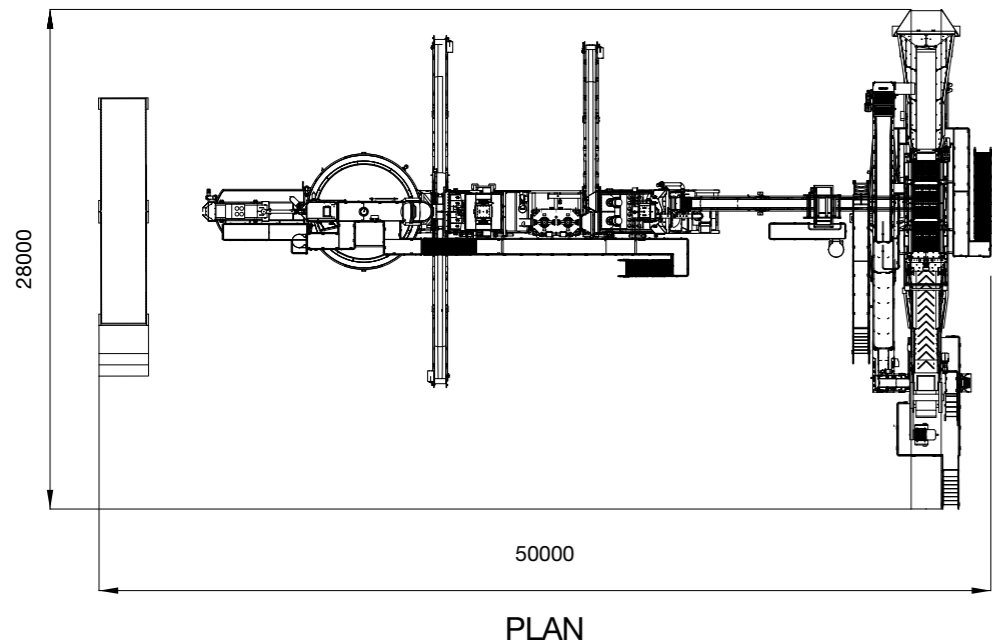
* Details provided upon request

Reurban Hunter

For Biomining of Legacy Waste



Dimensions



Click / Scan to see it in action



TECHNICAL SPECIFICATIONS

Feed Capacity# (tons per day)	300 tpd**
Maximum Feed Size	<80 mm
Number of Products	1 Sand
Silt Removal Capacity (minus 0.075mm)	25-30%
Moisture in Product	10-12%
Power Requirement	~375kW
Water Requirement	7-10m ³ /hr
Plant Footprint	50 x 28 meter

STANDARD FEATURES

Integrated Design Suitable for Processing Trommel Fines	✓
Turbo Dual Wash Technology	✓
Portable Scalping Screeners	✓
Single-stage Crushing System for Sizing	✓
Screenmax: Dewatering and Sizing Screen	✓
Permanent Magnet for Iron Removal	✓
Atropure Attrition Cells	✓
Wing Stockpiling Conveyors	3
Soil Bay Manager	✓
Light-weight Trash Removal	✓
Galvanised Walkway & Access Stairs for Durability	✓
Tungsten Tip Belt Scraper	✓
Screened Soil Discharge Pipework upto 50m Distance	✓
PLC Control Panel with Colour Touchscreen	✓
Electrical Pre-Wire	✓
Advanced Paint System for Surface Protection	✓

ACCESSORIES & SERVICES

First-Fill Lubricants	✓
Set of Commissioning Spares & Maintenance Tools	✓
Erection & Commissioning Assistance (Supervision only)	✓
Civil Design Assistance	✓
Operator Training/Certification	✓
Operation & Maintenance e-Manual (in English)	✓
Cloud Link Connectivity Pack	Optional
Consultancy for use of Recycled Aggregates	Optional
Annual Maintenance Contract (AMC) Pack*	Optional
Lime Dosing add-on for pH Conditioning	Optional

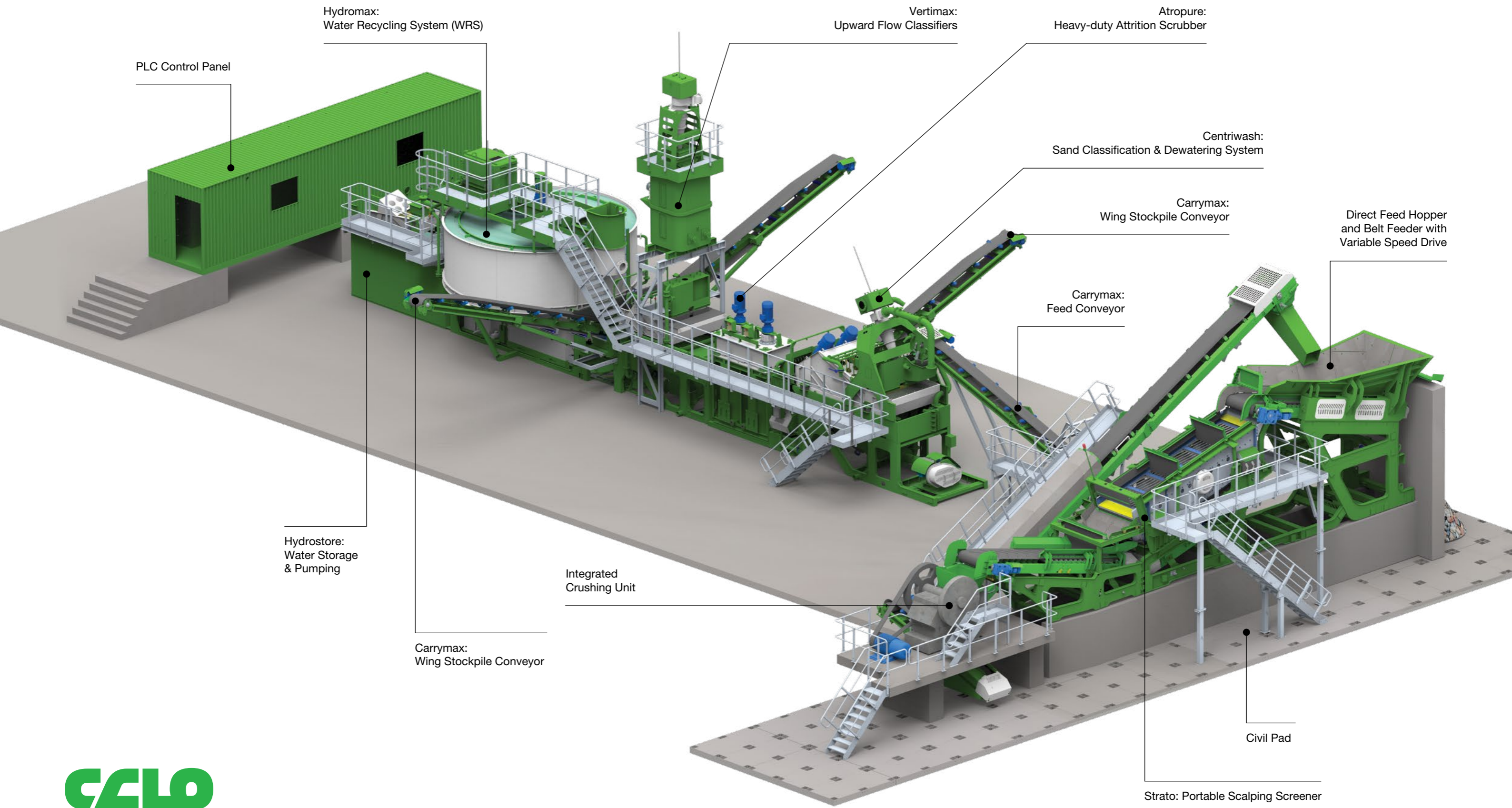
Standard capacity may vary with feed gradation

* Details provided upon request

** Based on 8-hours working

Transport Plan:
18 X 40ft HCOT
Container

Reurban Hunter



Applications

Screened Soil

- In gardening
- Use in embankment
- Use in land filling
- Can be used as filler particle in GSB and WMM



Recycled Concrete Aggregate (RCA)

- Used in concrete upto M25
- In precast product
- Civil maintenance works



Common uses of Recycled Aggregate

- Mainly used in road sub base
- In low bearing concrete blocks
- Lean concrete less than M15 Grade



Common uses of Recycled Sand

- Brick work
- Mortar
- In concrete road construction
- Paver blocks, bricks, tiles and block

Extent of Utilization as Coarse & Fine Aggregate

IS 383:2016

	Plain Concrete	Reinforced Concrete	Reinforced Concrete (less than M15 grade)
Recycled Concrete Aggregate (RCA)	25%	20% (only upto M25 grade)	100%
Recycled Aggregate (RA)	Nil	Nil	100%



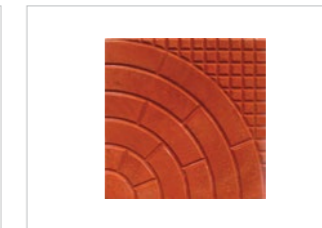
Value Added Products



Paver Block



Kerb Stone



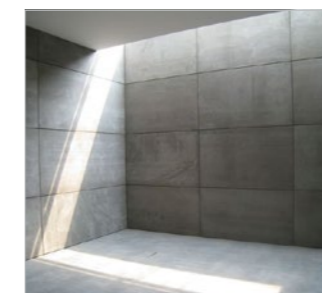
Tile



Jalli



Concrete Block



Wall Cladding



Bollard



Planter



Fence Post



Park Bench



Pre-cast Compound Wall



Drain Cover

Serving Global Markets

We operate a network of service and product distribution facilities across key global markets. Our in-house manufacturing and mineral testing facility is located in Kolkata, India. We have completed over 475 projects in 17 countries over the past 18 years.

Hyderabad



It is first of its kind facility in the state, the largest plant in South India with the capacity of recycling 500 metric tonnes of construction waste per day.

Thane



In Thane, out of 1,000 metric tons of waste generated daily, 200 metric tons is from construction and demolition debris alone. This plant has a capacity to process 300 metric tonnes of C&D waste daily. The waste material from construction sites is brought here for processing and converted into bricks, paver blocks, sand, etc., which is again used for construction purposes.

Surat



The 300 TPD facility in Surat is an integrated wet processing facility that utilizes the CFlo's patented Reurban Compact with Remote Monitoring System. The plant efficiently recycles waste consisting of cement concrete, cement mortar, bricks, rubble, stone, sand, and soil to produce high grade washed and dewatered sand by removal of oversize and ultra-fines.

Pune



CFlo's Reurban D2100 is actively processing 200 tonnes of waste C&D debris comprising cement plaster, iron, and others and converting it into usable and marketable construction materials such as bricks and manufactured sand of 4 different grades.

Delhi



The Burari Construction and Demolition (C&D) Waste Processing Plant in Delhi, inaugurated in October 2023, is India's largest, with a capacity of 2,000 tonnes per day. Utilizing CFlo's advanced technology, it converts debris into recycled aggregates, bricks, and tiles, significantly reducing landfill use and promoting sustainable construction. This facility marks a pivotal advancement in Delhi's waste management infrastructure.

Mumbai



Mumbai's first-ever Construction & Demolition Waste Recycling Plant, powered by CFlo's cutting-edge wet processing technology, transforms 600 tonnes of daily debris into valuable raw materials. By diverting waste from landfills and conserving natural resources, this landmark project sets a new benchmark for sustainable urban development in India's financial capital.

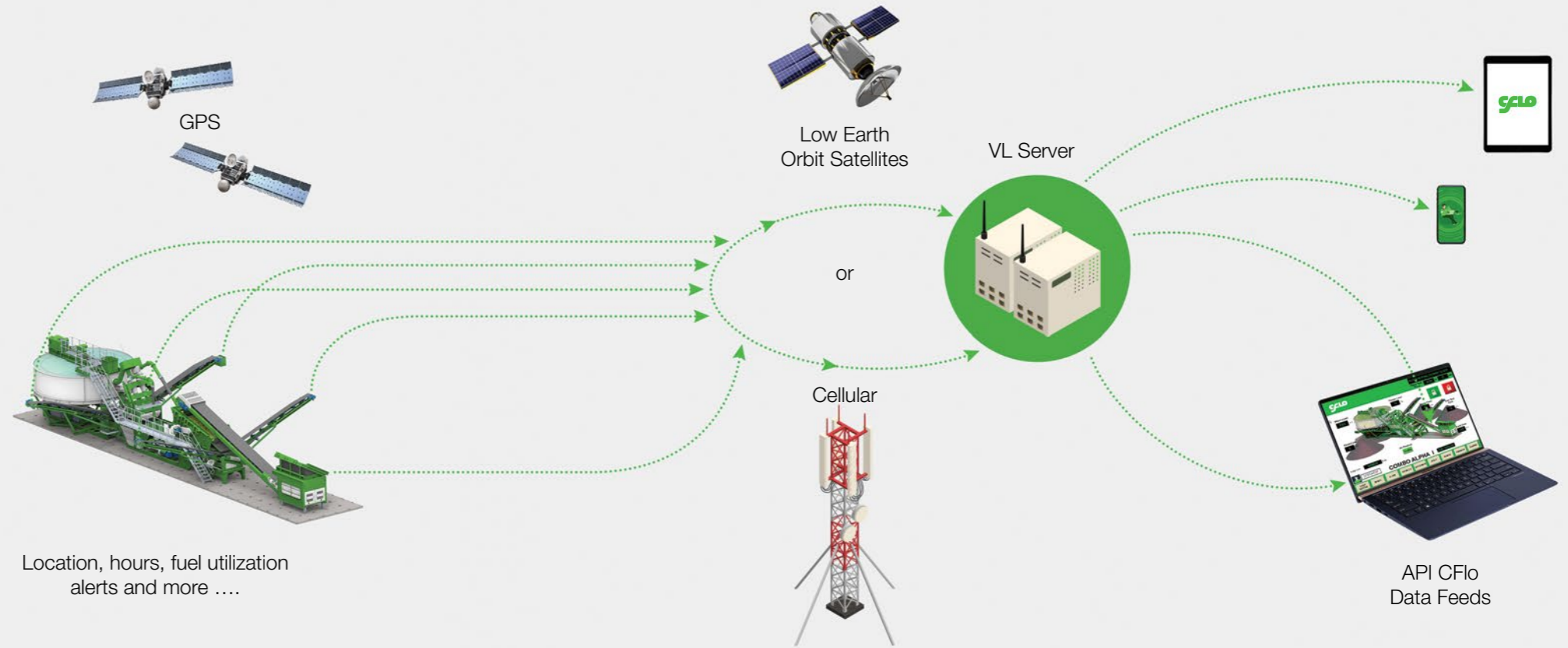
A world class service with Cutting-edge Technology



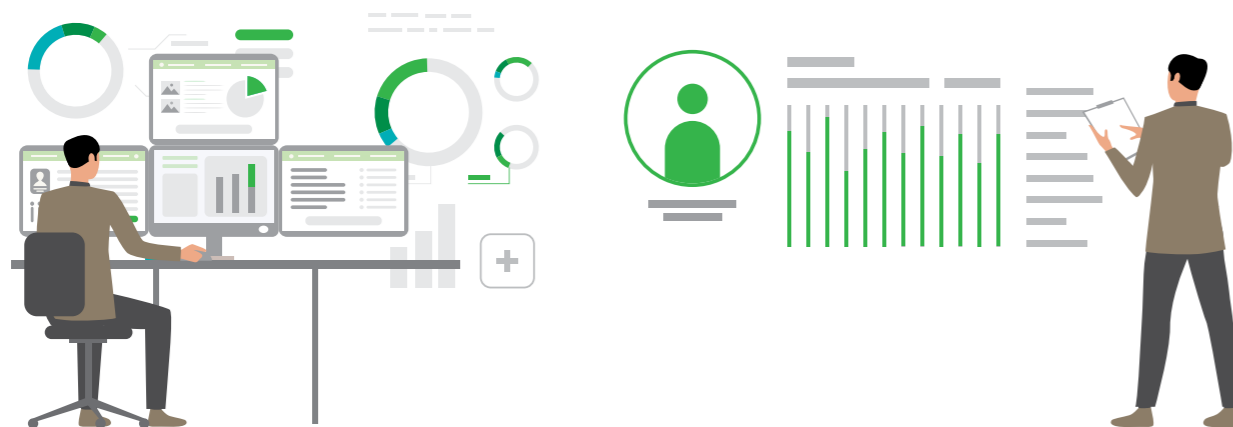
We have a dedicated in-house team of service engineers who are proficient in the commissioning and ongoing maintenance of our equipment. This ensures maximum plant efficiency, providing maximum profitability.

Complete Peace of Mind

- _____ Contact-Free
- _____ Avoid Losses due to Breakdown
- _____ Highest Yield
- _____ Optimum Use of your Working Capital
- _____ Safe Plant Operation by Expert
- _____ Extended Equipment Life



CFLO Command Center



Fastest ROI for your Reurban with our Annual Maintenance Packs

Run your Reurban upto 6000 hours every year without any fear

AMC drives +90% Availability/Uptime

Why lose cash with breakdowns when you have AMC

We help you maximize your profit by monitoring and improving your Product Yield

We will work with your team to improve your Product-Mix that will fetch the best value in market

Optimize your Cost of Operation with CFlo experience of hundreds of plants across the countries

Protect your people with CFlo Safety Features

Life of your equipment increases manifold with CFlo Original Spares and Expertise

We are CFlo

A leading innovator in modular wet processing technologies, delivering bespoke equipment solutions across waste recycling, upcycling mining waste, ore beneficiation, and critical mineral recovery.



Click / Scan
for video

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