



GREENLINE

ENGINEERED RECYCLING SOLUTIONS



terexwashing.com

RECYCLING AS IT SHOULD BE

WASH MORE, WASTE LESS

Wet processing recycling is the ultimate technology for material recovery and reconditioning, which can be applied across a broad spectrum of feed materials to produce recovered valuable sands and aggregates, quite often from a 'waste' material otherwise destined for landfill.

While wet processing-recycling globally has been adopted at different speeds in different regions; the continued focus on renewable sources for sand & aggregates, continuously depleting natural resources, economic and legislative factors have driven an adoption of these technologies.

Terex Washing Systems have been pioneers of wash recycling technologies since the early 90's. Throughout this life-cycle we have worked alongside our customers to evolve our wash recycling product offering which has been subject to decades of investment and R&D, which enabled us to effectively provide solutions to deal with a wide range of contamination, trash, silts & organics.

These solutions have now become common place for many processors of traditional natural resources as their businesses also evolve, adapt and develop new or replacement revenue streams. We have continued to evolve and innovate the technologies and systems to allow you to wash wisely.

Terex Washing Systems – Greenline Engineered Recycling Solutions package together our extensive process experience, wet processing products, AquaClear water management solutions, and renowned Terex Crushing technologies to provide balanced, end-to-end processing systems for various materials from 30tph right through to 300tph, in an out-of-the-box approach, whilst maintaining the ability to easily tailor for particularly specialist applications.

We provide entire solutions from feeder to filterpress from a single OEM, this coupled with local support can really simplify the world of wash recycling for your business.

CONTENTS

History	4-5
Introduction to Wash Recycling	6-7
Why Recycle?.....	8-9
Wash Recycling	10-11
Engineered Recycling Solutions	12-32
Simple Seamless Integration.....	33
4 Site Project Management Service.....	35
Finance Solutions	36

Whilst this brochure serves as a guide to GreenLine solutions, the possibilities are endless; for more information on your specific needs please get in touch directly or via your local distributor.

PIONEERING WASH RECYCLING



1956

FIRST MATERIAL PROCESSING UNIT LAUNCHED



1985

DEDICATED WASHING DIVISION IS ESTABLISHED



1990

DEDICATED LAUNCH OF THE POWERSCRUB LOGWASHER RANGE



1998

PIONEERING WASH RECYCLING IN UK



2010

AGGWASH 60 - WINS AWARD FOR INNOVATION & DESIGN



2013

FIRST AGGRESAND COMPLETE MODULAR WASHPLANT



2016

LAUNCH FM ULTRAFINES AND AGGRESALP



1970

FIRST MOBILE WASH PLANT INSTALLED



1986

FIRST WASTE RECYCLING PROCESSING PLANT INSTALLED



1995

FIRST WHEELED MOBILE WASH PLANT



2006

FIRST SINGLE CHASSIS MOBILE WASH PLANT (SCREENING, SCRUBBING, SIZING)



2012

TEREX WASHING SYSTEM FOUNDED

4SITE

2015

ROLL OUT OF 4 SITE, PROJECT MANAGEMENT SOLUTION

TEREX **aquaclear**
WATER MANAGEMENT SOLUTIONS

2017

LAUNCH OF AQUACLEAR WASTE MANAGEMENT RANGE



2020

LAUNCH OF GREENLINE ENGINEERED RECYCLING SOLUTIONS



2018

AGGWASH 300 - EVOLUTION OF WASH RECYCLING



WASH RECYCLING

WASH RECYCLING IS THE PROCESS OF PRODUCING AGGREGATES FROM WASTE



WASHING ENABLES RECYCLABLE AGGREGATES TO FULFIL THEIR GREATEST POTENTIAL. RECYCLING TO HIGHER VALUE

CREATING:

- Superior product quality – Higher Value End Use
- More product grades (Finer screening)
- Greater utilisation of materials



SOURCES OF RECYCLABLE MATERIALS & DEFINITIONS

C&D WASTE

Material derived from the demolition of buildings. (High % of concrete, brick, woods, plastics and metals)

TROMMEL FINES

Dry recycling residual fine materials. (Often containing high percentages of wood, plastics and organic matter)

SITE EXCAVATION WASTE / MUCK-AWAY

Material derived from excavating construction sites. (The gradation is very variable and often containing high % of silts & clays (63 microns))

ROAD SWEEPINGS

Material derived from road sweeper / vacuum trucks. (Fine material regularly containing high % of plastics organic matter)

CONTAMINATED WASTE/SOILS

Categorized as Non- Inert due to the presence of heavy metals and hydrocarbons. (Eg. Material excavated after oil spill or earthen material from a chemical works)

INCINERATOR BOTTOM ASH (IBA)

Incinerator Bottom Ash (IBA) is the material discharged through the grate of a Waste to Energy facility after incineration of municipal solid waste (MSW). IBA can contain varying quantities of glass, ceramics, brick, concrete and metals in addition to clinker and ash.

CONCRETE TRUCK 'WASH-OUT'

Concrete returned to the readymix depot which was surplus to requirements on site.



OUR CONSTANTLY EVOLVING PRODUCT AND PROCESS SOLUTIONS ENSURE MAXIMUM PRODUCTIVITY AND MOST IMPORTANTLY PRODUCT QUALITY.



WHY RECYCLE?

Natural aggregates are crushed or uncrushed materials such as sand, gravels or stones, derived from the natural sources like river terraces, riverbeds, glacial deposits or rocks and boulders, for use in the production of concrete for structural purposes including mass concrete works. Aggregates are available in different types depending on their uses.

NATURAL V RECYCLED/SECONDARY AGGREGATES (RSA)

Using RSA has environmental benefits including:



Conserving natural resources by decreasing the demand for virgin materials



Protecting local ecosystems and maintaining biodiversity levels



Reducing energy consumption, transport emissions and disposal of waste to landfill



Reducing road haulage activities and therefore reducing road congestion and increasing road safety

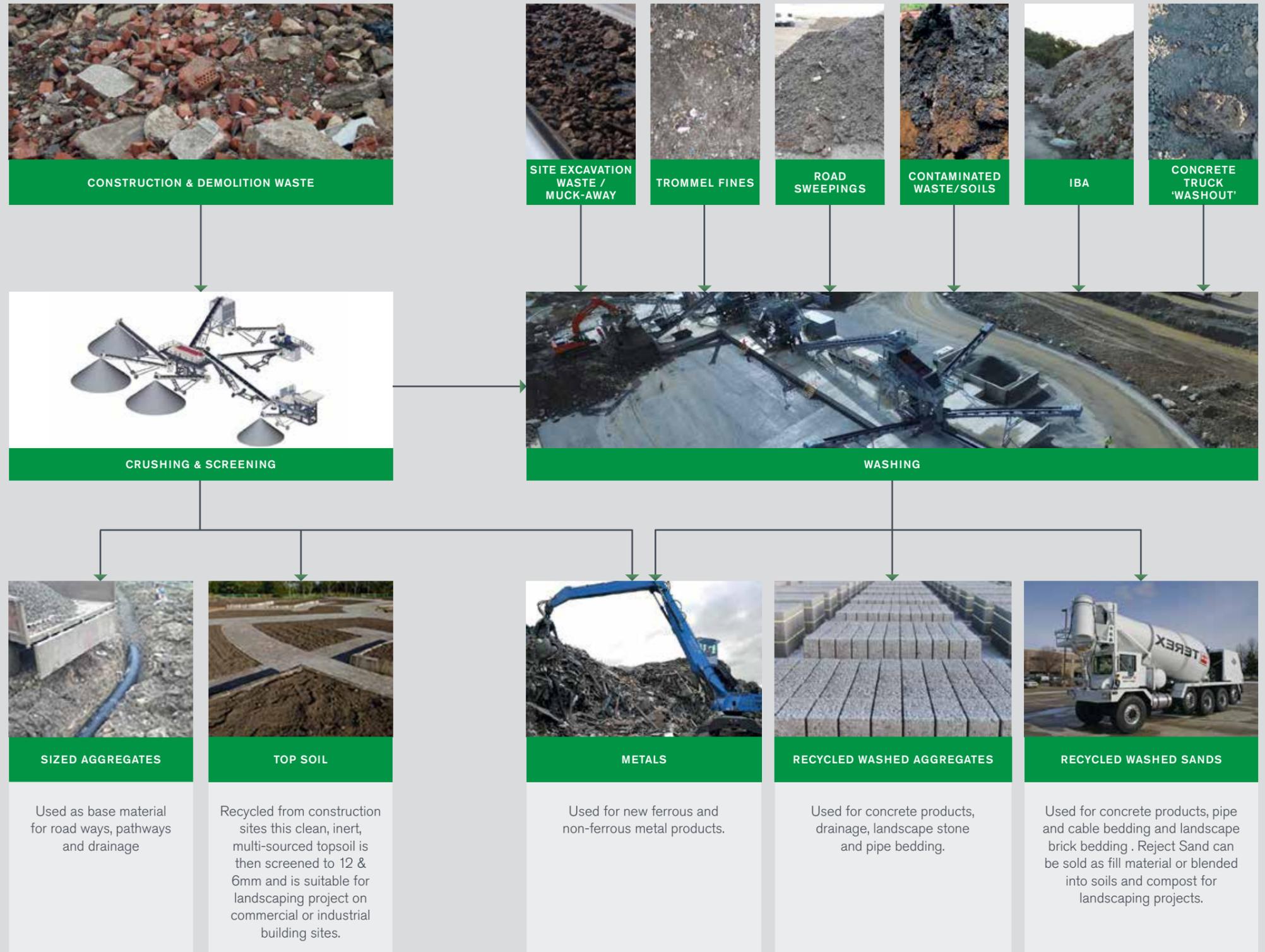


Using RSA has financial benefits including:

Producing recycled aggregate for resale is more cost-effective than sending un-wanted materials to landfill and incurring landfill tax and transport costs.

WASH RECYCLING

MATERIAL SOURCES / PROCESSES / END PRODUCTS & USES



ENGINEERED RECYCLING SOLUTIONS BUILT ON HERITAGE

SINGLE SOURCE SOLUTIONS FROM A WIDE PORTFOLIO

FEED



FM H12



H25



RECEPTION HOPPERS



AGGRESALP

WASH / CLASSIFY



20 X 6 SCREEN



HYDROSCRUB



M1200

WASH / CLASSIFY



120C



120BW



FM 200DF



FM HYDRO



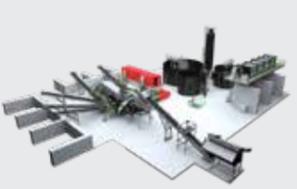
ULTRAFINES



AGGRESAND



AGGWASH



END TO END SOLUTIONS

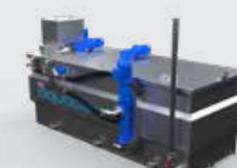
WATER MANAGEMENT



FILTER PRESS



THICKENER TANK



FLOCCULENT DOSING UNIT



RAKE THICKENER

STACK



AGGRESTACK



TC6532



30

CIRCA 30TPH PROCESSING

TROMMEL FINES/ROAD SWEEPINGS/DRY RECYCLING RESIDUAL MATERIAL

PRODUCES 2 AGGREGATES & 1 SAND

12x5 FULL RINSING AGGREGATE SCREEN

- 12x5 2-deck
- Producing 2 x washed Aggregates
- Any residual sand is flushed back to sump tank

HYDRO-SCREW & TRASH SCREEN

- Single Screw Coarse Material Washer
- Water Injection Liberating aggregates from conglomerated materials
- 12x5 trash screen
- Dewatering organic and light weight trash

H9 FEEDER

- Regulated feed rate
- Double Deck Vibrating grid
- 100mm grid spacings & 65mm mesh
- Hydraulic Tipping function

OVER-BAND MAGNET

- Ferrous metals removed
- Stainless Steel Chute

LLMR-THICKENER

- Low Level Modular Rake Thickener
- Central drive (fixed bridge)
- Settled sludge is continuously directed towards the central cone
- Clean water weirs to Hydro-floatation Unit

HYDRO-FLOATATION UNIT

- Two Stage Floatation Tank
- Floatable contaminants entrapped and prevented from re-entering main water tank
- Optional addition of Flocculant enhances water clarification

FLOCCULANT DOSING UNIT & PLANT CONTROLS

- Containerised Electrical control room
- Automated Floc dosing unit utilising continuous settlement time monitoring

FM60C

(60TPH SAND PLANT)

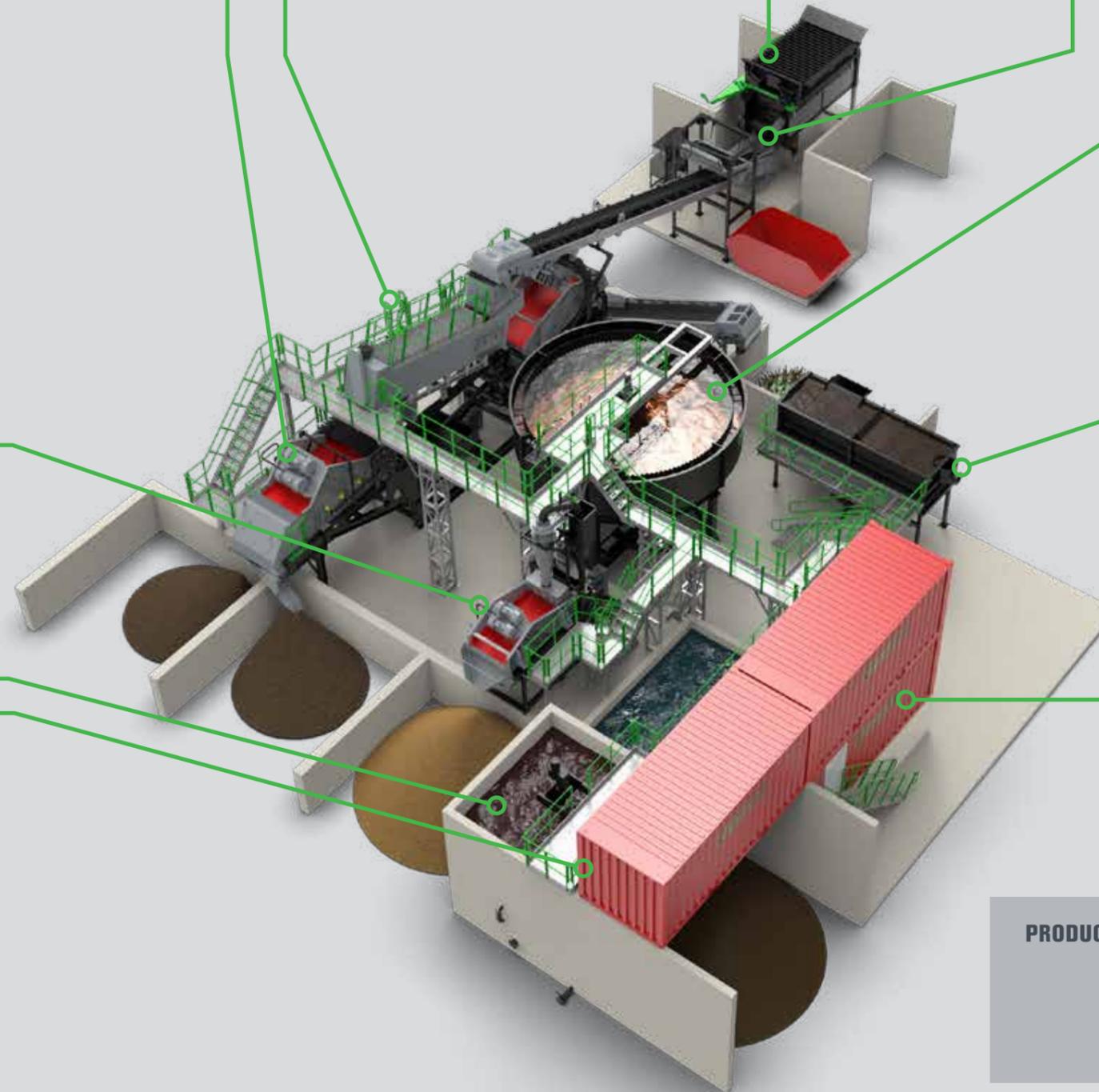
- Single pump and cyclone arrangement for maximum sand recovery
- High Frequency 8x Dewatering Screen

HOMOGONISING/ BUFFER TANK

- Sludge storage
- Continually agitated
- Sludge conditioned for optimal Centrifuge performance

CENTRIFUGE

- Robust high performance Centrifuge
- Efficient water recovery & solids separation
- Dedicated Floc Dosing System for autonomous operation
- Containerised and fully automated for easy installation



PRODUCTS



AGG 2
Mid-Size
Gravel



AGG 1
Fine Gravel



SAND

60

CIRCA 60TPH PROCESSING

SOILS / MUCK AWAY / EXCAVATION WASTE OR TROMMEL FINES / DRY RECYCLING RESIDUAL MATERIALS

PRODUCES 3 AGGREGATES & 2 SANDS

FM60-HYDRO TWO-GRADE SAND PLANT

- 2.4M Flat Bottom Classifier
- Twin pump and cyclone arrangement for making coarse and fine sands
- High Frequency Dewatering screen

AQUACLEAR WATER MANAGEMENT

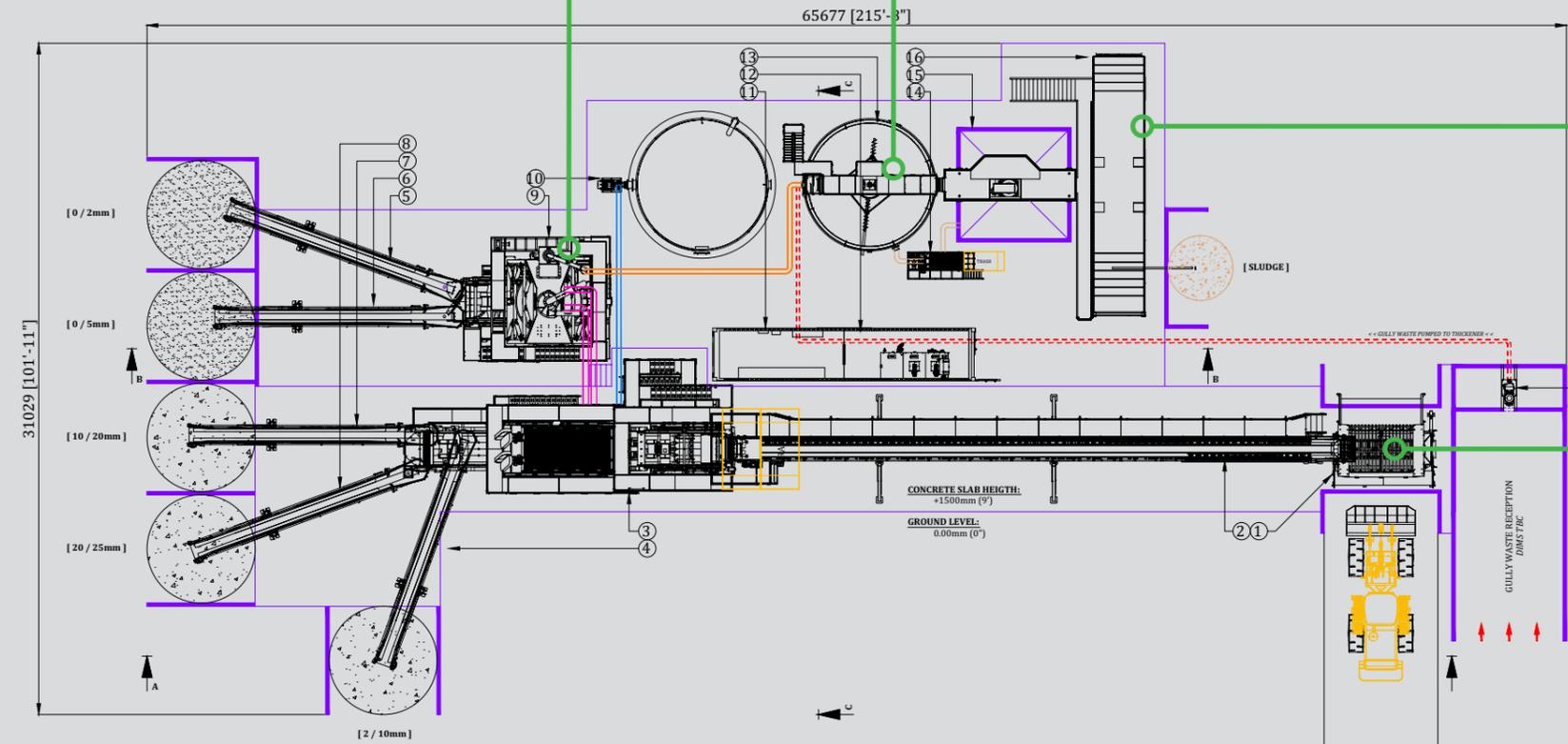
- Automated Flocculant Dosing
- Low Level Modular Rake Thickener
- Clear water collection tank
- Homogenising Tank

AQUACLEAR CENTRIFUGE

- High Efficiency Centrifuge
- Dedicated Flocculant Dosing
- Automatic Control
- Pre-Wired Containerised with Discharge Screw

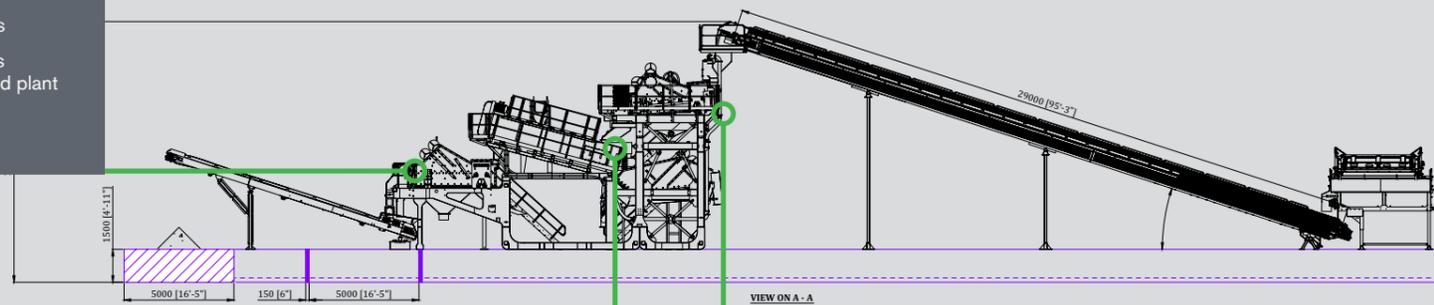
H9 FEEDER

- Regulated feed rate
- 100mm grid spacings
- Double Deck Vibrating grid



AGGREGATE RINSING SCREEN

- 12x5 - 2-Deck Part Rinsers
- Producing 3 x washed Aggregates
- Any residual sand is flushed back to sand plant



HYDRO-SCREW & TRASH SCREEN

- Twin Screw Coarse Material Washer
- Water Injections Liberating aggregates from conglomerated materials
- 14x6 trash screen
- Dewatering organic and light weight trash

PRIMARY RINSING SCREEN

- 12x5 2-Deck
- Split bottom deck to make 2 x sand fractions

PRODUCTS



AGG 1
Coarse Gravel



AGG 2
Mid-Size Gravel



AGG 3
Fine Gravel



COARSE SAND



FINE SAND



60

CIRCA 60TPH PROCESSING

SOILS / MUCK AWAY
/ EXCAVATION WASTE

PRODUCES 3 AGGREGATES
& 2 SANDS

PART RINSING AGGREGATE SCREEN

- 8x4 2-deck
- Producing 3 x washed Aggregates
- Any residual sand is flushed back to sump tank

POWERSCRUB 60 & TRASH SCREEN

- Twin shaft Powerscrub 60 logwasher
- Liberating aggregates from conglomerated materials
- 6x2 trash screen
- Dewatering organic and light weight trash

DIRTY WATER TRASH SCREEN

- Lightweight trash removed from waste water

AQUACLEAR WATER MANAGEMENT

- Automated Flocculant Dosing
- Low Level Rake Thickener
- Clear water collection tank
- Homogenising Tank & Lime Dosing
- Aquaclear FP1500 Filter Press

MATERIAL FLUIDISATION

- High pressure water introduced

OVER-BAND MAGNET

- Ferrous metals removed
- Stainless Steel Chute

H9 FEEDER

- Regulated feed rate
- 100mm grid spacings
- Tipping grid
- Vibrating grid

TWO-GRADE SAND PLANT

- Twin pump and cyclone arrangement for making coarse and fine sands

PRIMARY RINSING SCREEN

- 8x4
- Pre-screen section for oversize removal
- Split bottom deck to make 2 x sand fractions

PRODUCTS



AGG 1
Coarse Gravel



AGG 2
Mid-Size Gravel



AGG 3
Fine Gravel



COARSE
SAND



FINE SAND

120

CIRCA 120TPH PROCESSING

SOILS / MUCK AWAY
/ EXCAVATION WASTE

PRODUCES 3 AGGREGATES
& 2 SANDS

AQUACLEAR WATER MANAGEMENT

- Automated Flocculant Dosing
- Low Level Rake Thickener
- Clear water collection tank
- Homogenising Tank & Lime Dosing System
- Aquaclear FP2015 Filter Press

PRIMARY RINSING SCREEN

- 12x5 Inclined 2-deck screen
- Split bottom deck to make 2 sand fractions

OVER-BAND MAGNET

- Ferrous metals removed
- Stainless steel chute

AGGRESALP 125

- Heavy duty Scalping Screen
- Separates oversize material

AGGRESCRUB 150

(PART RINSING
AGGREGATE SCREEN)

- 12x5 - 2-Deck
- Producing 3 x washed Aggregates
- Any residual sand is flushed back to central sump tank

AGGRESCRUB 150 & TRASH SCREEN

- Twin shaft AggreScrub 150 Logwasher
- Liberating aggregates from conglomerated materials
- 6x2 trash screen
- Dewatering organic and light weight trash

FM120C-2G SEPERATOR (120TPH 2-GRADE SAND PLANT)

- Dual pump and cyclone arrangement for dual washing and sizing of sand
- High Frequency 12x5 Dewatering Screen

PRODUCTS



AGG 1
Coarse Gravel



AGG 2
Mid-Size Gravel



AGG 3
Fine Gravel



COARSE
SAND



FINE SAND

150

CIRCA 150TPH PROCESSING

SOILS / MUCK AWAY / EXCAVATION WASTE OR TROMMEL FINES / DRY RECYCLING RESIDUAL MATERIALS

PRODUCES 3 AGGREGATES & 2 SANDS

AQUACLEAR WATER MANAGEMENT

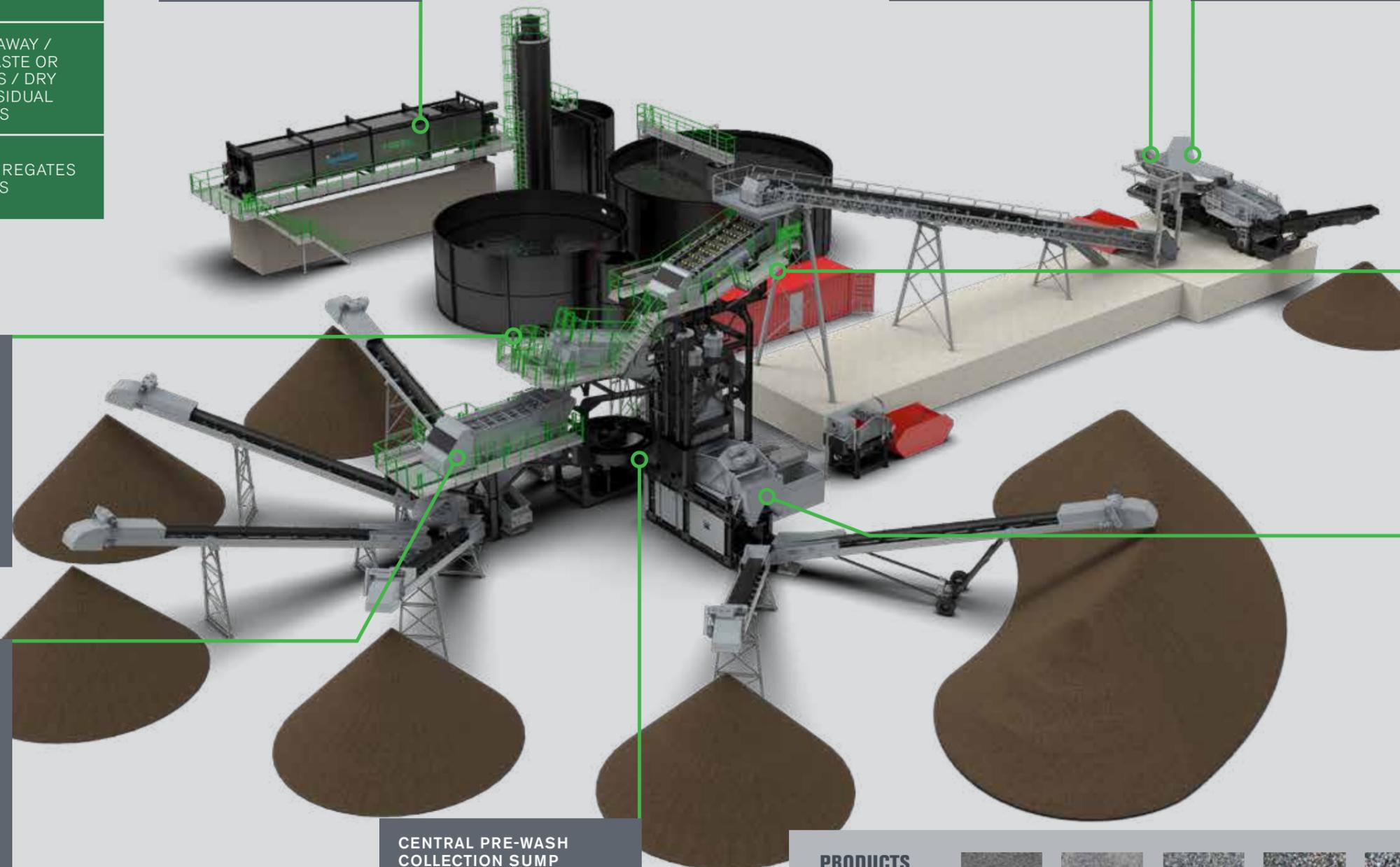
- Automated Flocculant Dosing
- Low Level Rake Thickener
- Clear water collection tank
- Homogenising Tank & Lime Dosing System
- Aquaclear FP2015 Filter Press

OVER-BAND MAGNET

- Ferrous metals removed
- Stainless steel chute

AGGRESALP 125

- Heavy duty Scalping Screen
- Separates oversize material



HYDROSCRUB 150 & TRASH SCREEN

- Twin shaft HYDROSCRUB 150
- Variable speed scrubbing liberates aggregates from conglomerated materials
- Adjustable angle and hydro injection maximises lights removal
- 6x2 trash screen Dewater organic and light weight trash

PRIMARY RINSING SCREEN

- 16x5 Inclined 2-deck screen
- Single grade bottom deck washes all the sand to the central collection sump Pre-Wash Sump

PART RINSING AGGREGATE SCREEN

- 16x5 3-deck
- Producing 4 x washed Aggregates
- Any residual sand is flushed back to sump tank

FM120C DUAL-WASH (120TPH 2-GRADE SAND PLANT)

- Dual pump and cyclone arrangement for dual washing and sizing of sand
- High Frequency 12x5 Dewatering Screen

CENTRAL PRE-WASH COLLECTION SUMP

- 3.6m Conical Sump for additional lights & clays removal
- HK150 Separator for primary stage of double wash

PRODUCTS



FINE SAND



COARSE SAND



AGG 1
Fine Gravel



AGG 2
Mid-Size Gravel



AGG 3
Coarse Gravel



AGG 4
Over-Size Gravel



150

CIRCA 150TPH PROCESSING

SOILS / MUCK AWAY
/ EXCAVATION WASTE

PRODUCES 3 AGGREGATES
& 2 SANDS WITH A
MODULAR DESIGN

AQUACLEAR WATER MANAGEMENT

- Automated Flocculant Dosing
- Low Level Rake Thickener
- Clear water collection tank
- Homogenising Tank & Lime Dosing System
- Aquaclear FP2015 Filter Press

OVER-BAND MAGNET

- Ferrous metals removed
- Stainless steel chute

AGGRESALP 125

- Heavy duty Scalping Screen
- Separates oversize material

AGGRESCRUB 150 & TRASH SCREEN

- Twin shaft AggreScrub 150 Logwasher
- Liberating aggregates from conglomerated materials
- 6x2 trash screen
- Dewatering organic and light weight trash

AGGRESCRUB 150 (PART RINSING AGGREGATE SCREEN)

- 12x5 - 2-Deck
- Producing 3 x washed Aggregates
- Any residual sand is flushed back to central sump tank

AGGRESAND 165 (120TPH 2-GRADE SAND PLANT)

- Twin pump and cyclone arrangement for making coarse and fine sands
- High Frequency 12x5 Dewatering Screen
- 3-Stage Fines & Coarse Sand Blending

AGGRESAND 165 (RINSER SCREEN)

- 16x5 3-deck inclined rinsing screen
- Split bottom deck for creating 2 x sand fractions

PRODUCTS



AGG 3
Coarse Gravel



AGG 2
Mid-Size Gravel



AGG 1
Fine Gravel



COARSE
SAND



FINE SAND

200

CIRCA 200TPH PROCESSING

SOILS / MUCK AWAY
/ EXCAVATION WASTE

PRODUCES 3 AGGREGATES
& 2 SANDS

AQUACLEAR WATER MANAGEMENT

- Automated Flocculant Dosing
- Low Level Rake Thickener
- Clear water collection tank
- Homogenising Tank & Lime Dosing System
- Aquaclear FP2000 Filter Press

POWERSCRUB 200 & TRASH SCREEN

- Twin shaft Powerscrub 200
- Liberating aggregates from conglomerated materials
- 12x5 Full Rinsing Post Screen
- 6x2 trash screen
- Dewatering organic and light weight trash

PRIMARY RINSING SCREEN

- 20x6 Inclined 2-deck screen
- Single grade bottom deck washes all the sand to the Pre-Wash Sump

OVER-BAND MAGNET

- Ferrous metals removed
- Stainless steel chute

AGGRESKALP 125

- Heavy duty Scalping Screen
- Separates oversize material

PRE-WASH SUMP & HK-SEPARATOR

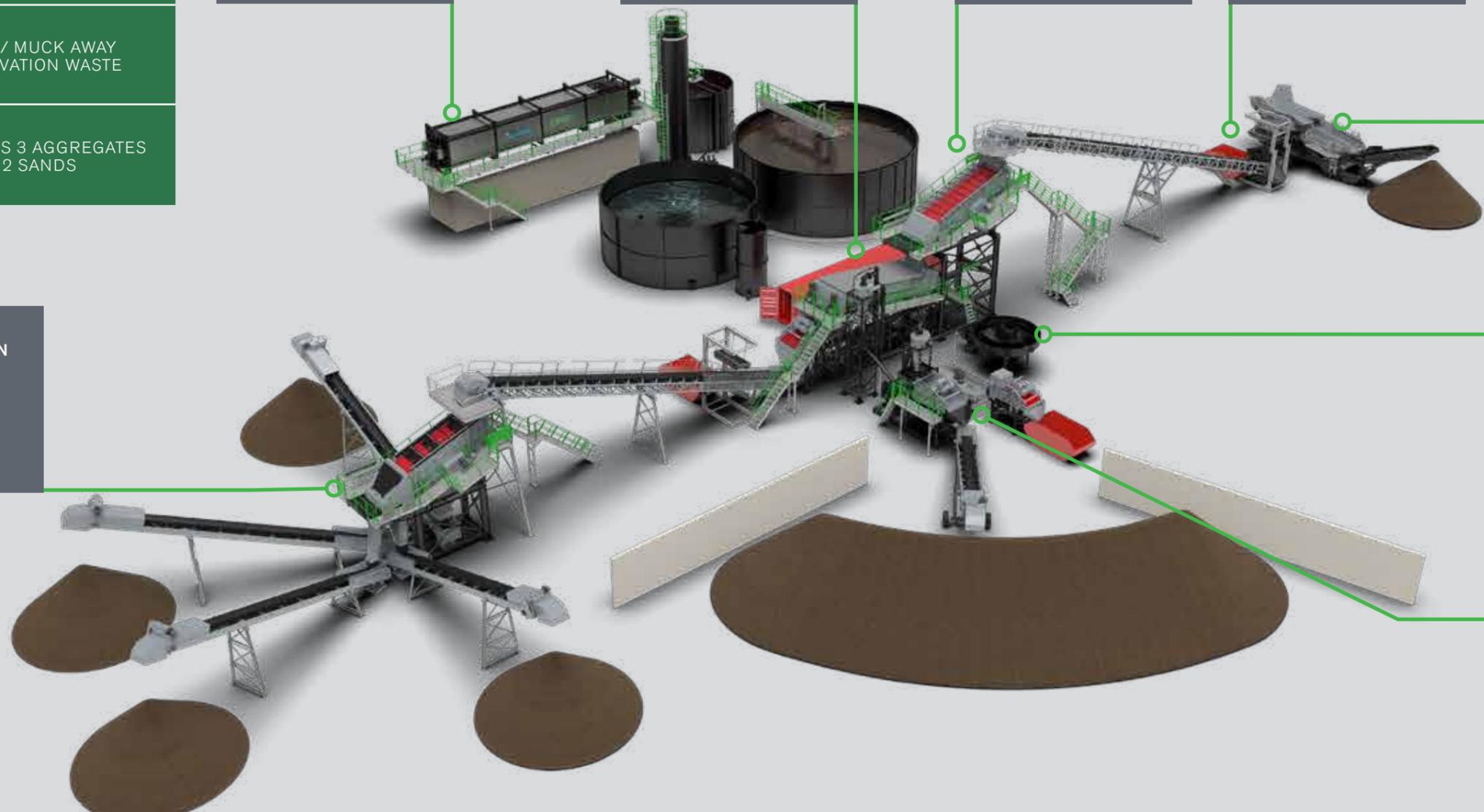
- 3.6m Conical Sump for additional lights & clays removal
- HK150 Separator for primary stage of double wash

FM120C (120TPH 1-GRADE SAND PLANT)

- Single pump and cyclone arrangement for second stage of double wash
- High Frequency 12x5 Dewatering Screen

S165-3 AGGREGATE SCREEN

- 16x5 3-deck
- Producing 4 x Sized Aggregates
- Multi Option Blending Rolling Chute



PRODUCTS



AGG 4
Over-Size
Gravel



AGG 3
Coarse Gravel



AGG 2
Mid-Size
Gravel



AGG 1
Fine Gravel



COARSE
SAND

200

CIRCA 200TPH PROCESSING

SOILS / MUCK AWAY
/ EXCAVATION WASTE

PRODUCES 3 AGGREGATES
& 2 SANDS WITH A
MODULAR DESIGN

TEREX MC1000 CONE CIRCUIT

- Oversize surge bin with vibrating underpan feeder
- MC1000 Cone crusher with Auto choke feed control
- Metal detection & access on feed conveyor

AGGRESAND 206 (H12 FEEDER)

- Heavy duty 4" Remote Tipping Grid Scalping
- Remote & Auto-Feed Control

AGGRESAND 206 (OVERSIZE REJECT)

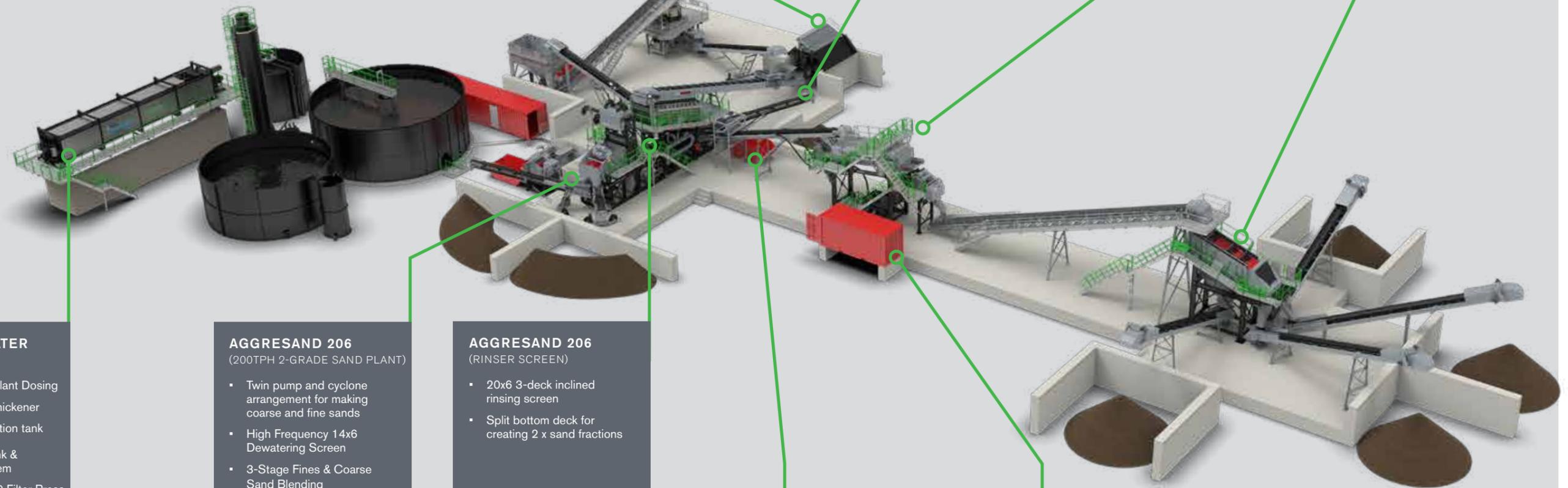
- Dedicated oversize reject pile to protect top size to crusher

AGGRESCRUB 150 & TRASH SCREEN

- Twin shaft AggreScrub 150 Logwasher
- Liberating aggregates from conglomerated materials
- 6x2 trash screen
- Dewatering organic and light weight trash
- 8x4 Aggregate Rinsing Screen

S165-3 AGGREGATE SCREEN

- 16x5 3-deck
- Producing 4 x Sized Aggregates
- Multi Option Blending Rolling Chute



AQUACLEAR WATER MANAGEMENT

- Automated Flocculant Dosing
- Low Level Rake Thickener
- Clear water collection tank
- Homogenising Tank & Lime Dosing System
- Aquaclear FP2000 Filter Press

AGGRESAND 206 (200TPH 2-GRADE SAND PLANT)

- Twin pump and cyclone arrangement for making coarse and fine sands
- High Frequency 14x6 Dewatering Screen
- 3-Stage Fines & Coarse Sand Blending

AGGRESAND 206 (RINSER SCREEN)

- 20x6 3-deck inclined rinsing screen
- Split bottom deck for creating 2 x sand fractions

PRODUCTS



FINE SAND



COARSE SAND



AGG 1
Fine Gravel



AGG 2
Mid-Size Gravel



AGG 3
Coarse Gravel



AGG 4
Over-Size Gravel

OVER-BAND MAGNET X 2

- Ferrous metals removed
- Stainless steel chute

ELECTRICAL CONTROL ROOM

- Dedicated Electrical control cabin
- Touch screen HMI with automatic start-up shut-down



300

CIRCA 300TPH PROCESSING

SOILS / MUCK AWAY
/ EXCAVATION WASTE

PRODUCES 3 AGGREGATES
& 2 SANDS

POWERSCRUB 200 & TRASH SCREEN

- Twin shaft Powerscrub 200
- Liberating aggregates from conglomerated materials
- 12x5 Full Rinsing Post Screen
- 6x2 trash screen
- Dewatering organic and light weight trash

PRIMARY RINSING SCREEN

- 20x6 Inclined 3-deck screen
- Split bottom deck for creating 2 x sand fractions

MATERIAL FLUIDISATION

- High pressure water introduced

OVER-BAND MAGNET

- Ferrous metals removed
- Stainless Steel Chute

PART RINSING AGGREGATE SCREEN

- 16x5 3-deck
- Producing 4 x washed Aggregates
- Any residual sand is flushed back to sump tank

2-GRADE SAND PLANT & PRE-WASH

- Twin pump and cyclone arrangement for making coarse and fine sands
- Pre-Wash system to double wash either sand

DIRTY WATER TRASH SCREENS

- Lightweight trash removed from waste water

PRIMARY FEED & SCALPING

- AggreScalp unit
- Separates oversize material

DUAL FP200 FILTER PRESSES

- Robust high performance press
- Maximum water recovery
- Automatic plate shakers, core blow, & cloth wash options
- Stainless steel sliding protection doors for ease of access

AQUACLEAR WATER MANAGEMENT

- Automated Flocculant Dosing
- Low Level Rake Thickener
- Clear water collection tank
- Homogenising Tank & Lime Dosing System

PRODUCTS



AGG 1
Coarse Gravel



AGG 2
Mid-Coarse Gravel



AGG 3
Mid-Fine Gravel



FINE
GRAVEL



FINE SAND



COARSE
SAND

LLR-THICKENER & CLEAN WATER TANK

- Low Level Rake Thickener
- Settled sludge is continuously directed towards the central cone
- Clear water weirs into the clean water tank

LIME DOSING SYSTEM

- Lime dosing system to reduces filter press cycle times

HOMOGONISING / BUFFER TANK

- Sludge storage
- Continually agitated
- Sludge conditioned for optimal pressing cycles

FILTER PRESS

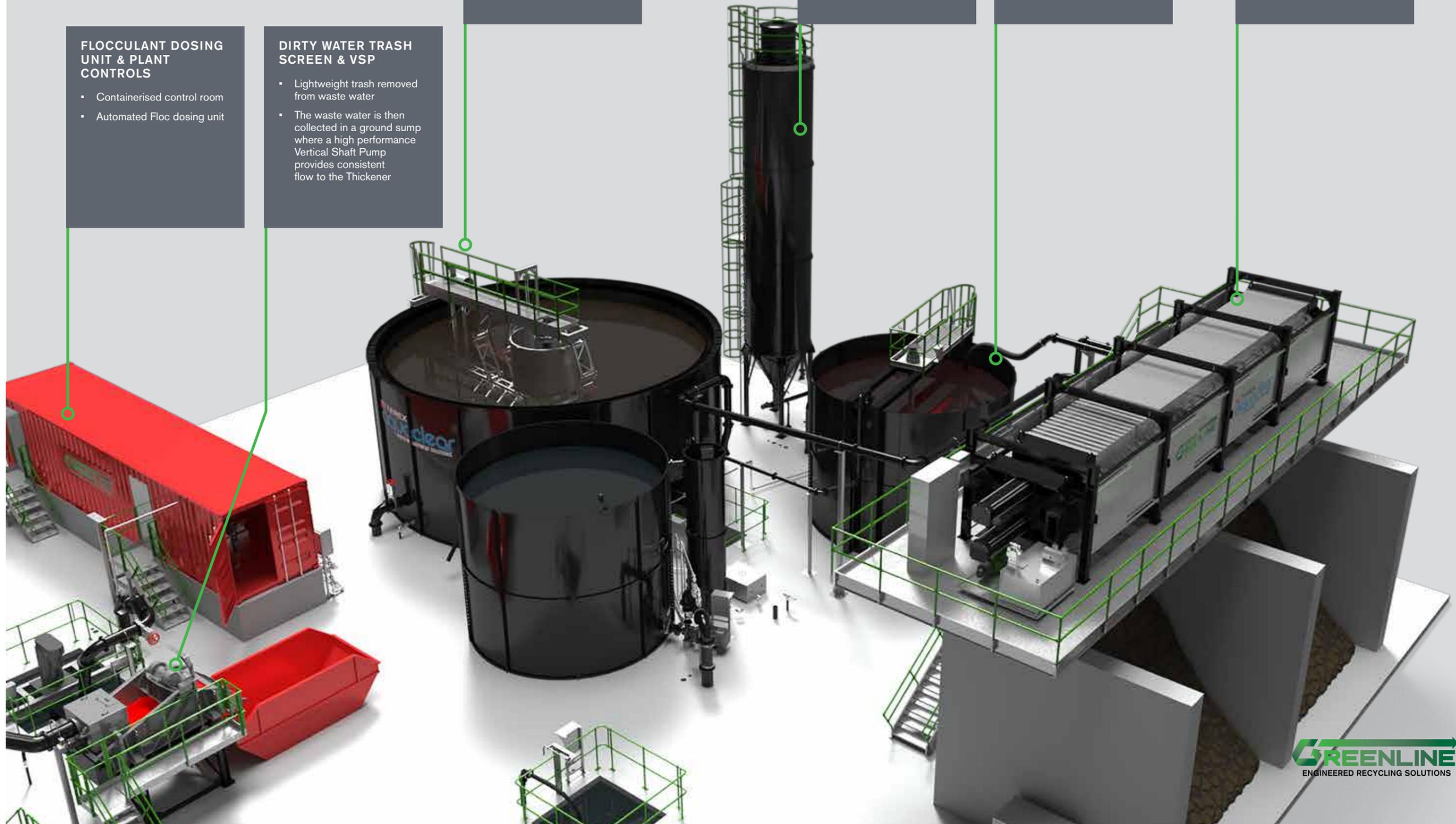
- Robust high performance press
- Maximum water recovery
- Automatic plate shakers, core blow, & cloth wash options
- Stainless steel sliding protection doors for ease of access

FLOCCULANT DOSING UNIT & PLANT CONTROLS

- Containerised control room
- Automated Floc dosing unit

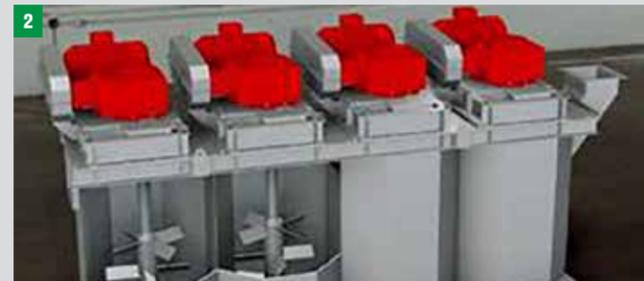
DIRTY WATER TRASH SCREEN & VSP

- Lightweight trash removed from waste water
- The waste water is then collected in a ground sump where a high performance Vertical Shaft Pump provides consistent flow to the Thickener



SIMPLE SEAMLESS INTEGRATION

Additional upgrades which can be incorporated into our washing systems to further benefit the final material specification.



1 RECEPTION HOPPERS (SINGLE & DUAL)

Large volume reception hoppers can be added at the feed point of many Greenline solutions to allow direct processing of slurrified or partially slurrified materials such as Hydro excavation waste or Road Sweepings.

2 ATTRITION CELLS

Attrition Scrubbers, also known as Attrition Cells, are used to liberate deleterious material and remove it from competent aggregate material. They are also proven to liberate clays, reducing product turbidity, and to break apart loosely conglomerated clusters in Sand.

3 FLAT BOTTOM CLASSIFIERS / UPWARD CURRENT CLASSIFICATION

Used to remove light-weight, deleterious materials, such as lignites and organics, from sand product streams. These classifiers are primarily used by aggregate producers in the production of construction sands, but can also be used in sands production when organics or light weight trash is present.

4 WET DRUM MAGNETS

Wet magnetic drum separators are used to separate fine ferrous metal particles from slurries.

5 PRE-WASH / DOUBLE WASH SYSTEMS

Employed when silt & clay contents are high which is typically the case in wash recycling applications

6 WATER / OIL SEPARATORS

Dissolved air flotation (DAF) is a water treatment process that clarifies wastewaters (or other waters) by the removal of suspended matter such as oil or solids. The removal is achieved by dissolving air in the water or wastewater under pressure and then releasing the air at atmospheric pressure in a flotation tank basin. The released air forms tiny bubbles which adhere to the suspended matter causing the suspended matter to float to the surface of the water where it may then be removed by a skimming device.

7 PH ADJUSTMENT / BALANCING

When wash water is being released to the water course it often must meet local authority PH regulations. In cases such as this customers must employ PH balancing systems. A further example of where this system would be employed is to reduce flocculant demand and improve sludge treatment.

8 LIME DOSING

Lime dosing is the addition of lime milk, a mixture of anhydrous lime (quick lime) CaO , or hydrated lime (slaked lime) Ca(OH)_2 and water to a thickened sludge in order to help reduce filter press cycle times.

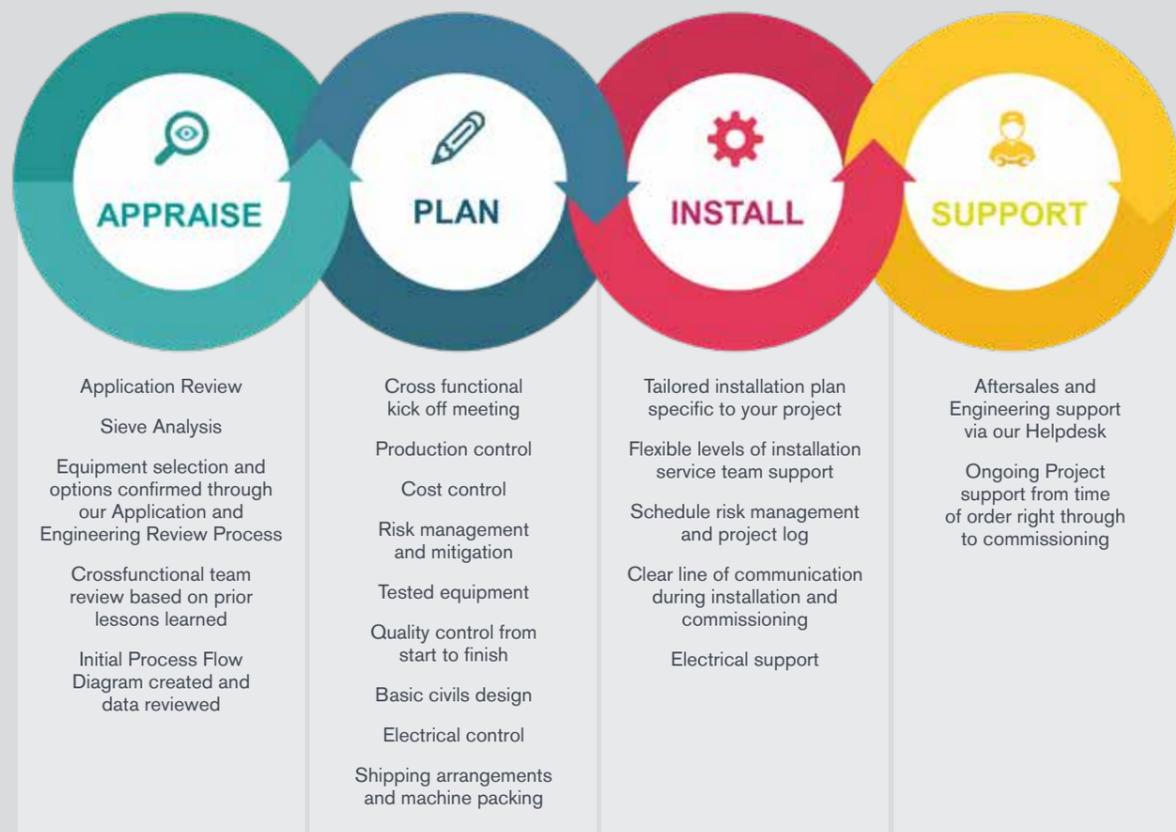
4SITE

A COMPLETE PROJECT MANAGEMENT SERVICE

Terex Washing Systems offer 4 SITE, a comprehensive project management service which provides you with enhanced levels of support during every step of your project. We believe that rapid response, qualified, and effective support is crucial in meeting end-user needs, letting you deliver on your promise as well as developing long term client relationships.

TWS OFFER A RANGE OF PROJECT MANAGEMENT SERVICE PACKAGES TO CHOOSE FROM.

Each of our project management packages include 4 Key Steps:



WATERTIGHT FINANCE SOLUTIONS

Perhaps the only thing more comprehensive than our vast product line is our wide range of effective finance and leasing solutions, structured to complement customers' cash flow and budgets.

Our team of finance professionals knows the importance of working closely with your customers to understand the unique challenges of their business and their financial goals and requirements. Obtaining financing is often a time consuming task, so we work hard to provide a reliable, flexible and responsive service.

The Terex® Financial Services™ (TFS) team can help assist in all areas of asset management, from the analysis of future equipment values through the disposition of used equipment.

TFS is part of the Terex® family, so you'll work directly with financial professionals who understand your business and can help you get the equipment you need with financial solutions based on your business goals and objectives.

TFS IS A ONE-STOP SHOP FOR EFFECTIVE FINANCING SOLUTIONS:

- Trade-in Programs — we'll work with you to get you out of your existing equipment and into new Terex® equipment
- Helping you manage cash flow and conserve working capital
- Ownership and lease options

Build the fleet you want with competitive financing rates, as well as special lease and purchase options from TFS. It's a great way to have the equipment you need while managing your cash flow.

CONTACT:

TWS.sales@terex.com to discuss finance packages available to you

RATES FROM AS LOW AS







RECYCLING AS IT SHOULD BE

TEREX WASHING SYSTEMS

FARLOUGH SITE

**32 Farlough Road,
Dungannon,
Co. Tyrone,
Northern Ireland, BT71 4DT**

**Tel: +44(0) 28 8771 8500
Email: TWS.sales@terex.com**



terexwashing.com

Effective Date: August 2020 Product specifications and prices are subject to change without notice or obligation. The photographs and/or drawings in this document are for illustrative purposes only. Refer to the appropriate Operator's Manual for instructions on the proper use of this equipment. Failure to follow the appropriate Operator's Manual when using our equipment or to otherwise act irresponsibly may result in serious injury or death. The only warranty applicable to our equipment is the standard written warranty applicable to the particular product and sale and Terex makes no other warranty, express or implied. Products and services listed may be trademarks, service marks, or trade names of Terex Corporation and/or its subsidiaries in the USA and other countries. All rights are reserved. Terex is a registered trademark of Terex Corporation in the USA and many other countries.
© 2020 Terex Corporation.