Reclamation in situ
ICF Environment turns to the expertise of KoncassToo and EDGE Innovate to carry out a major rehabilitation operation

Fail to Prepare, Prepare to Fail
Winterisation tips to keep your equipment running

Robust, Durable Screening Solution
Kivisampo makes successful delivery of a fully customised TRT622 Series trommel and a MS50 mobile stockpiler
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I t’s hard to believe that it’s time again to write this particular piece for the first Newsletter of 2016. The speed of the clock just seems to be accelerating more and more. The world is becoming a much smaller place for EDGE these days. We are continuing to expand our network of partners across the globe and are making several changes in that regard.

The EDGE Evolution programme was launched towards the end of last year. An old idea revitalised, this concept focuses on recruiting new potential sales personnel to join the EDGE team.

Over a period of time and with full support, candidates can become strategic partners with their own trading business. There is no hard and fast rule with this programme as to who is eligible and what market this applies to. With a highly flexible approach, the programme is aimed at encouraging people with ambitions around setting up their own business.

In terms of which markets suit this type of programme; obviously we are only interested in looking at territories where we currently do not have representation. If there are regions where a candidate has a particular strength or connection, such as a language skill or previous experience then that would be more beneficial. In 2015 several candidates joined the programme and since then we have set up some direct sales initiatives in markets such as the UK as well as the launch of some new partnerships such as GreenRock Equipment in California.

There are other opportunities within the EDGE Evolution programme for people to join our existing partners worldwide. Last year saw a few examples of this and included the placement of an ‘EDGE specialist’ in north America with ELRUS Aggregate Systems. The Evolution programme will continue to grow and present real opportunities to ourselves and our partners, whilst encouraging new talent to join the team.

2015 saw many trade shows and exhibitions. 2016 will be no different. We have already exhibited at AED in Washington DC and USCC’s Compost’16 show in Jacksonville, Florida. Upcoming exhibitions include C&D World, N-EXPO, Hillhead and we are already knee deep in preparations for Vegas 2017.

We have recently refocused our efforts with regard to marketing and specifically to partner support. The whole area of ‘digital marketing’ is obviously hugely important. Our marketing department, headed up by Adrian Donnelly have developed a new strategy aimed at further enhancing the EDGE brand online. Adrian is also leading his team to connect more closely with distributors across the world in terms of database development, direct marketing techniques and digital advertising.

Many of our partners have already seen the benefits of investment in this area and in particular are working more closely with the marketing team for our mutual benefit.

In terms of global economics, 2015 was certainly very challenging. The strength of the pound, issues with the Chinese economy and resultant effects on the price and demand for commodities such as steel and iron ore have had negative impacts on markets such as the mining sector. Nevertheless the breadth of the EDGE product offering has in turn allowed to refocus some of our efforts in more challenging markets and has resulted in continued growth. Up until 2014, Australia was an important market for EDGE in terms of our materials handling portfolio. This has obviously been effected by a contraction in the mining sector there. Nevertheless; teaming up with Focus Enviro and concentrating more on our environmental and recycling product lines has helped grow sales in new areas.

This year will also see further expansion in our After Sales function. Anyone can sell a product, many organisations fail when it comes to backing up their product over the longer term. The After Sales team at EDGE is continuing to grow and expand, immediate technical support and same day spare Parts despatch are only two areas that have grown dramatically over 2015. Investment in the After Sales team and in physical stock holding not just in Ireland but in-market is testament to our commitment to all our customers, old and new.

Change and Innovation continue to be central to our ethos and way of life. Innovation in everything that we do, exemplified by the ‘EDGE Evolution’ programme, a refocus of marketing, new partners and of course new products as well as new investment in After Sales are all important parts of our tool kit in terms of creating new opportunities and generating growth.

The EDGE brand continues to grow and expand across the world. We have gained and will continue to gain a reputation for quality solutions, backed up by first class after sales. We anticipate further progress in 2016 for both EDGE, our team, our partners and our customers.

Thank you for your support in 2015 and best wishes for the year ahead.

Darragh Cullen, Managing Director of EDGE Innovate. www.edgeinnovate.com
The appointment of Australian equipment distributors Focus Enviro for the entire EDGE Innovate product line was confirmed at a recent factory visit to the EDGE's Irish manufacturing headquarters by Focus Enviro Managing Director Robbie McKernan.

With locations on both the East and West Coast, Focus Enviro provides quality, innovative and most importantly reliable equipment to the Australian waste and organics industries. Robbie McKernan commenting on the appointment; “EDGE Innovate has the expertise, experience and capacity needed to create highly effective solutions to meet the differing needs of each customer. Focus Enviro work only with world class experienced manufacturers and suppliers that specialise in the waste and organics industries and who have an understanding of the intricate challenges facing those in the sector. With equipment sold into 31 different countries and close to 200 units already operational in Australia alone, EDGE Innovate fits our ethos perfectly”

Focus Enviro will be offering the entire EDGE Innovate portfolio including; the slow speed shredder Slayer Series, large capacity track and mobile trommel screens, density separators, flip flow screens and the entire material handling range of stackers which has made the EDGE Innovate brand synonymous with premier equipment throughout Australia.

EDGE Innovates' Distributor Manager for Africa, Europe and Australasia, Tom Connolly describes the appointment as being an important step in offering the Australian waste and organics sector with robust, quality and efficient equipment.

“With a dedicated Recycling Design Department, EDGE offer a large range of products that will help customers reduce the volume of materials going to landfill and create new revenue streams for MRFs. We believe that through the partnership with Focus Enviro that we can deliver real operational benefits to the waste and organics sector in the Australian market. “

Tom Connolly - Distributor Manager - Africa, Europe and Australasia,

Scan here to find out more
www.focusenviro.com.au
DON’T SLIP UP THIS WINTER

Keep equipment moving with winterization kits from EDGE Innovate

FIND OUT MORE...
+44 (0)28 8774 0525
www.edgeinnovate.com
info@edgeinnovate.com
Screening topsoil normally does not require a trommel with a two deck vibrating grid, nor a drum constructed using hardox steel. However, that is exactly the machine specification which EDGE Innovate supplied to Finnish company Kreate for that application. Why go to such lengths you ask? With sticky top soil contaminated with hard stone from 20mm up to large boulders 300mm in diameter, this purpose built piece of equipment was the only solution available. Such was the type of material found at the Kreate owned quarry that a unique specification of trommel to meet the customer’s expectations was required.

Kivisampo made successful delivery of a fully customised TRT622 Series trommel and a MS50 mobile stockpiler.

KCREATE BACKGROUND...
The Vantaa quarry, close to the Helsinki Vantaa airport, provides vital aggregate and top soil to a number of Kreate’s infrastructure projects throughout the region. Kreate was formed in 2014 through the merging of specialist infrastructure contractors Fin-Seula, Kesälahden maansiirto and Insinööritoimisto S Rantala. Now established as a leading Finnish infrastructure contractor, Kreate employs 250 structural experts providing comprehensive solutions for the bridges, road and rail, foundation, energy, industrial, environmental and geotechnical construction segments.

CUSTOMISATION...
In order to extract aggregate at their Vantaa site, vast amounts of earth must first be excavated. Large stockpiles of earth can be observed throughout the quarry and this is where the EDGE TRT622 track trommel comes to the fore. EDGE Innovate’s Finnish distributors Kivisampo made successful delivery of a fully customised TRT622 Series trommel and a MS50 mobile stockpiler, supplied with a 2 deck vibrating live head, hardox lined hopper, hardox steel drum with 16mm mesh screens,
the EDGE TRT622 delivers Kreate with a robust, durable unit that has the ability to produce 300 plus tonnes per hour whilst only consuming an average of 17 litres in that same time frame. Fitted with 6mm hardox lined hoppers, impact bars and 4 ply belts, the folks at EDGE Innovate have taken no chances. Fully customised to suit the customers’ requirements and challenging application, the TRT622 radial conveyor has been replaced with a 50ft mobile conveyor. A hydraulic radial wheel drive fitted to the MS50 provides the customer with a throughput of up to 600 tonnes (661UST) and a radial stockpile capacity of 1528m³ (1999 cubic yards). Hydraulically coupled to the TRT622, the MS50 offers the lowest cost radial stockpiling solution on the market.

THE PERFECT FIT...
Kreate not only point to the fact that EDGE Innovate are the only manufactures to offer a mobile trommel with a twin deck vibrating grid. Other design features such as the TRT622’s unique load sensing hydraulic drive system, ecopower saving functionality and the user friendly HMI control panel were all deciding factors that led them to choosing EDGE Innovate when selecting a suitable product that would fulfil their needs.

PROCESSING...
Material is fed onto the track trommel’s 150mm (6”) bofor deck using a Doosan DX225LC excavator, the 100mm (4”) bottom deck rejects 4” plus material allowing the 4” minus to pass onto the drum to be screened via the bolt on 16mm mesh screens. The EDGE trommel effectively produces 3 different products; 4”+ oversize aggregate, 16mm to 100mm medium oversize aggregate and minus 16mm topsoil to be used on landscaping projects.
2015 in terms of trade shows and exhibitions was certainly a year of globetrotting, all in the name of further strengthening the EDGE Innovate brand worldwide. With 12 destinations ranging from Paris to Chile, Belgium to the Philippines, the EDGE team have covered a staggering 78,295 km (the equivalent of travelling the circumference of the earth twice) meeting our distributors and customers along the way.

AGG1 / WORLD OF ASPHALT
Ready and raring to go, March saw the team exhibit alongside US distributors Eastern Processing Equipment at Agg1/World of Asphalt. Held at the Baltimore Convention Centre, the 2015 edition of the show saw 7,600 visitors passed through the doors from over 50 countries, an increase of more than 1,000 over previous years. As a regular fixture in the EDGE exhibition calendar, 2015 once again proved to be beneficial with plenty of enquiries and requests for further information on the product range.

C&D WORLD
Remaining in the states but moving further west towards Nashville, it was time for the annual C&D World Exhibition and Conference. Renowned as the largest exhibition of equipment devoted to the Construction and Demolition recycling industry, C&D World was the obvious
choice to showcase the diverse range of EDGE products equipped for C&D applications. Attendees were intrigued to learn how the full range of EDGE recycling equipment has been designed to provide solutions that increase operator’s efficiency and profitability.

EXPOBIOMASA
Entering into the second half of 2015 the exhibition schedule showed no signs of slowing down. Following the resounding success of 2014, EDGE returned to Valladolid for Expobiomasa taking place from 22-24th September. Expobiomasa, the exhibition for biomass and forestry equipment, unlike many others in its field, differs in that visitors have the opportunity to view equipment in action. Once again we partnered with Spanish distributor EMSA to showcase a TRT622 Trommel and Slayer XL at the three day event. The TRT622 and Slayer XL drew in a huge audience throughout the show with the weather remaining suitably glorious, much to the delight of the attendees!

PHILCONSTRUCT
With a hop, skip and a jump, EDGE was off to the Philippines for Philconstruct 2015. EDGE representative Mark made his first trip to the city of Pasay in the Philippines to partner up with our Filipino distributors InfraMachineries throughout the four day event. Not only was the EDGE product range received well by visitors to the stand, Philconstruct also provided an excellent opportunity to further establish the brand within a market that has only recently been explored.

DRY CARGO
Exploring brand new markets, EDGE representative Tom travelled to the Dry Cargo Conference and Exhibition which took place at Ahoy, Rotterdam. The exhibition is renowned for the showcasing of port/terminal technology and operations as well as being the global gathering place for those in the various maritime professions. Introduced in 2014 as an innovative solution to the bulk materials handling sector, the EDGE RTU220 Radial Truck Unloader boasts the flexibility to fit an array of applications including ship loading. For this reason, the 2015 Dry Cargo Conference and Exhibition was an excellent platform to showcase this particular offering to the crowds in attendance.

2016
At present 2016 is already set to give 2015 a run for its money with the exhibition calendar filling up with a few firm favourites alongside the likes of Hillhead which makes its eagerly anticipated return. We look forward to catching up with familiar faces in 2016 and building new relationships along the way!

Exhibition success continued...
- NY Hard Hat Expo | New York, USA | 1st-2nd April.
- NY Solid Waste/Recycling Conference & Trade Show | New York, USA | 3rd-6th May.
- Recycling Aktiv | Baden-Baden, Germany | 11th-13th June.
- Matexpo | Kortrijk, Belgium | 2nd-6th September.
- Conexpo Latin America | Santiago, Chile | 21st-24th October.
- Canadian Waste & Recycling Expo | Montreal, Canada | 4th-5th November.
GreenRock Equipment; the newly appointed distributor for EDGE Innovate for California and Hawaii has just launched their new, user-friendly website that is completely optimized for any device or screen size allowing customers to easily access information, whether in the office or out in the field. Shea McKiver co-founder of GreenRock Equipment commented on the launch of the new website:

“Making sure that the new site was optimized for any device or screen size was a vital element in the design process from the beginning. With a simplified design, the site is much easier to navigate enabling GreenRock to communicate with customers in the simplest, most effective manner possible. The site structure enables customer to easily access all of the information they need to successful pinpoint the product they desire.”

The new site; launched on January 27th will provide customers with vital information such as technical dimensions, product weights, options, applications and working footage for the entire EDGE product line. Structured into two main product lines; Material Handling and Recycling, customers can quickly navigate the site to find relevant product information and select the product that fits with their application.

Check out some of the new content now available! - www.greenrockequip.com

EDGE Innovate was honoured with the title of “Best Exporter” at the recent Mid-Ulster Business Awards. The Mid-Ulster region is home to one of the world’s most successful engineering clusters having been cited as being the manufacturing source of up to 80% of crushing and screening equipment worldwide. With exporting being a prime element of many celebrated manufacturing businesses in the region, EDGE Innovate were delighted to have topped the category for “Best Exporter”.

It was the second year EDGE Innovate have entered the awards having won the award for ‘Best Environmental Impact Business’ in 2014. Having developed a truly global presence, EDGE Innovate have sold units into 31 different countries and have built up a distributor network of over 50 dealers worldwide. Continual growth has been facilitated with new innovations being added to an already extensive product range enabling EDGE Innovate to break into new markets such as South Africa, Japan, Spain and Central America. Darragh Cullen, Managing Director of EDGE Innovate commented;

“The introduction of an EDGE Innovate Recycling Division has allowed us to segment our product offering, appealing to a distinct target market and this has been combined with an aggressive marketing strategy. This strategic decision has resulted in the EDGE product range appealing to an increasingly diverse target market, in particular to the European and American markets. To walk away with the ‘Best Exporter’ is a great recognition of the efforts of all those who represent EDGE Innovate throughout the globe.”
19-22th January 2016, **Washington DC, USA**
www.aednet.org


3rd March 2016, **Northampton, UK**, www.organics-recycling-events.com

1-3rd May 2016, **San Jose, California, USA**

24-27th May 2016, **Tokyo, Japan**
www.nippo.co.jp

28-30th June 2016, **Buxton, England**
www.hillhead.com

6-7th April 2016, **New York, USA**
www.hardhatexpo.com

10-11th November 2016, **Manila, Philippines**
www.gesi.com.ph/philconstruct/

7-11th March 2017, **Las Vegas, USA**
www.conexpoconagg.com
“Keep moving to remain warm”. This survival tip for cold weather conditions is as relevant to heavy plant as it is for us. This of course, can be easier said than done.

With winter truly upon us, the average temperature in Edmonton, Alberta Canada drops to -10°C, Ulan Bator, Mongolia will plummet to a chilling -21°C. By taking a closer look at the simple challenge of cranking an engine it will become strikingly apparent that plant operators face tough challenges over this tiresome period. At 0°C, a fully charged battery has only 65% cranking capacity, while the engine's starting requirements increase from 100% to 155%. At -17°C that fully charged battery now only has the capacity of 40%, whilst the engine is now 210% more difficult to crank. It's fair to say, that if the correct preparations have not been carried out, then operators are going to be in for a long, troublesome winter.

Unlike in the past, many mines and quarry operations will remain active and will face down the gruelling winter months. The show must go on if operations are to meet customer demands. The key to recording satisfactory production rates over the cold winter period is preventative maintenance planning. Firstly, identify the equipment that will remain active, idle or that will be set aside for maintenance work. Prepare a daily start-up procedure to be adhered to and be sure to tag each piece of equipment to ensure this procedure doesn't get overlooked. EDGE Innovate has taken time out to provide a few helpful pointers to help operators reduce downtime and make sure equipment is ready to take on the colds of winter.

**BATTERIES**
Weak batteries may not have enough power to crank the starter motor long enough. Check all the batteries in the fleet before the cold weather sets in.

Uncharged batteries can freeze at -7°C. If they need replaced, always replace with a battery equal to or more powerful to the original. Check for defective cables and poor connections. Corroded connections can drain a battery, preventing the machine from starting. Isolate batteries at the end of the day to retain charge levels.

**FUEL**
When temperatures drop below -1°C, use Number 1 diesel fuel. Number 2 diesel fuel can gel or wax causing fuel lines and filters to become restricted. No. 1 diesel is much more volatile and ignites readily under cold conditions. Ensure to keep the fuel tank full to make sure condensation forming inside the tank. Fill the tank at the end of each shift. Add a winter diesel fuel additive to keep wax crystals from forming and to improve starting.

**FILTERS**
Ensure that the fuel filter is not restricted or clogged up. Moisture can build up and freeze, preventing the engine from running smoothly or even prevent the engine from starting. Begin the winterization of the fuel system by replacing the fuel filter.
Ensure that the fuel water trap is emptied before the onslaught of winter and most importantly; stock extra fuel filters to avoid downtime.

**COOLANT**

Often overlooked; the selection of the correct lubricants to work in extreme temperatures is essential for heavy equipment. Make sure you are using a coolant with a freeze point low enough for your environment. Disaster will strike if the coolant freezes.

**ENGINE OIL**

Cold engine oil means for poor oil performance. Engine heater blocks are available from EDGE Innovate to help with this process. Always operate with the correct viscosity grade engine oil recommended for your engine. When operating in an ambient temperature below -30°C (-22°F) use a synthetic base stock multi-grade oil that has the pour point lower than -50°C (-58°F).

**IDLE START-UP**

Start the engine on idle and slowly warm up the whole system to running speed before filling with material. Proper engine operation temperatures assure more efficient fuel combustion and may prevent damage to cold engine parts.

Engine oil flows more readily at operating temperatures allowing proper lubrication of upper engine parts and areas. A tip from Caterpillar to heat up the engine faster is to block the radiator preventing air from reaching the fan.

**HYDRAULIC OIL**

As fluid warms it gets thinner and its viscosity decreases. The opposite is true when fluid cools. When choosing hydraulic oil, it is important to consider the start-up and operating temperatures of the hydraulic system. All hydraulic and lubricating fluids have practical limits on the acceptable operating temperature range - both high and low levels. Continuing to use the incorrect viscosity hydraulic oil will result in conditional failure ultimately resulting in performance degradation of machine components.

**CONVEYORS**

Poorly maintained belt scrapers can cause a number of issues including:
- Excessive build-up on rollers and pulleys
- Excessive wear on rollers and pulleys
- Misalignment of the conveyor belt due to artificial crowning on rollers
- Miss-tracking of the conveyor belt
- Conveyor belt wear

During winter months the effect of an inefficient belt scraper is exasperated. Check the condition of the belt scraper blade, the condition of the conveyor belt surface, the tension of the belt scraper, the belt scraper material, the type and condition of the belt slice and the speed of the conveyor belt. Before running the conveyor, check the skirtig rubber is not frozen to the belt. Is the belt scraper at the conveyor head section and the plough scraper at the tail frozen to the belt? Contraction from cold weather and the static weight of snow covered belts could cause failure. Make sure everything is running freely. No one wants to be re-joining a belt at sub-zero temperatures.

Your company spends hundreds of thousands on plant equipment. Replacing expensive plant due to lack of proper care is a luxury few can afford. Remember to properly winterize the equipment. It will not only affect your production during the winter months, it could also have a knock on effect come spring time if you do not. EDGE Innovate products may be manufactured in the mild Irish climate but they have been built to work in the harshest of environments. Arctic kits are also available for the entire EDGE product Range.
After 20 years as a leading manufacturer of conveying solutions, EDGE Innovate are acutely aware that one style of conveyor is nowhere near sufficient enough to meet the differing requirements of each material handling operation. The abundant list of conveyor types and options available are testament to this. Differing discharge heights, transfer lengths, condition of terrain, availability of power, the frequency of repositioning, throughput and of course, budget are all factors that must be taken into account when an operator is determining what solution meets all of their requirements. A simple look at the extensive material handling range offered by EDGE Innovate highlights the various conveyor solutions needed to meet the challenges faced by operators, not to mention the never ending list of differing materials that are transported.

**CHASSIS FORMAT...**

Starting with the chassis format. Depending on how the customer wants to integrate the conveyor into their existing system and how they wish to stockpile will determine the conveyor type they are seeking. There are pros and cons to every conveyor format. The track option is the perfect option for operators who frequently reposition their conveyors. A tracked stockpiler is a self-propelled, independent unit that can be easily and quickly manoeuvred across rough terrain with increased operator handling, however; it may not be the ideal product for the creation of radial stockpiles. The mobile stockpiler gives the operator the added advantage of a radial stockpile function but they must be towed by another self-propelled vehicle onsite. The ultimate solution is to combine the best of both formats into one unit. A radial track stockpiler encompasses a track unit with radial stockpile functionality. EDGE Innovate offers a full range of various conveyor types to fulfil the challenges faced by operators including; static, mobile, track and even a radial track conveyor model. The RTS-Series or Radial Track Stockpiler offered by EDGE; provides customers all the advantages of a self-contained unit that can be self-propelled but retains the radial stockpile function of a mobile conveyor via its powered wheel drives. By engaging its radial wheel drives and automatic angle adjustment via the fully automated stacker control system found on the RTS, operators are able to create impressive radial stockpiles with minimal supervision, whilst ensuring health and safety remains a top priority on-site.

**LOADING METHOD...**

Operators must also take into consideration other deciding factors such as loading methods and applications. If the conveyor is to be loaded directly by excavator or wheel loader then a feed conveyor would best suit this application.
If you wish to load directly with a wheel loader on all three sides of the hopper but do not want the extra cost of constructing ramps, then a low feed track stockpiler would be your best fit. If you wish to run a constant feed of material but retain the ability to track parallel to, lets say a barge, then a conveyor with a 360° slew functionality would provide the flexibility you require. EDGE pioneered the inclusion of slewing technology by way of its LTS 360° Unlimited range.

**POWER SOURCE...**

The manner in which operators wish to power their conveyors also varies due to application and material being transferred. Other determining factors may include the availability of diesel or electricity, the current power source being utilised, the ability of the customer’s service staff, throughput required and their past experiences.

The biggest advantage of a diesel/hydraulic driven conveyor is that they can be operated in remote locations due to being self-contained with only fuel being required. Diesel/hydraulic powered units tend to be simpler to service than that of their more complex electric driven counterparts.

However; the advantages of electric-powered equipment over diesel models extend well beyond the obvious savings on diesel fuel with significant savings on operating and maintenance costs. They also provide unbeatable dependability and uptime.

EDGE Innovate offers massive flexibility in terms of power-source configuration with hydraulic coupling, diesel/hydraulic, electric/hydraulic, direct electric, diesel genset and dual power options available for the entire material handling range.

**CHOICE...**

Every operator has differing needs and challenges to overcome; luckily EDGE Innovate is one such company that has catered to the best part of all the facets of the material handling industry. EDGE Innovate provide a wide choice of conveyor formats, power-source options from simple hydraulic coupling to dual powered units with differing conveyor lengths and throughput. EDGE material handling equipment can be customised to meet customer’s specifications and throughput required. With over 1000 mobile stackers manufactured and working across the world to date, their products have been tried and tested in the harshest of environments. With unparalleled customer choice and support, robust products designed for high productivity and reduced operator costs; EDGE Innovate should be operator's first port of call when deciding on what conveyor specification best fits their requirements.
“Equipment built to work as hard as you do”

The EDGE brand is intrinsically linked to the material handling, mining and recycling industries. With an extensive product range, EDGE offers high quality, robust products from stockpilers, slow speed shredders, trommels to fines recovery plants. All of our been designed to improve productivity and minimise operator costs. Call us today to find out more...

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28TH -30TH JUNE, 2016
Hillhead Buxton, England, Stand C20
Do you feel that your career has stagnated? Want to start your own dealership? Think you can provide a better service?

The EDGE Evolution Programme is aimed at budding entrepreneurs who have a proven track record of equipment sales within the crushing, screening and recycling sectors that have ambitions of starting their own business within the sector. The Evolution programme provides successful candidates the opportunity to get ready for success through proper training, support, advice and commercial investment.

With support from EDGE Innovate, those who meet our criteria will become an official distributor for the EDGE Innovate product range and set-up in territories that present strategic long term opportunities.

Through the Evolution Programme, EDGE Innovate will provide;

- A high quality product training programme.
- One-to-one mentoring advice.
- Networking opportunities.
- Overseas market visits.
- Access to expert knowledge and skills.
- Marketing support.
- Commercial Investment.
- Ongoing support after business start-up.

The Evolution Programme is the perfect support mechanism for those who are afraid to take the plunge or for those who simply need that helping hand to evolve from employee to business owner.

Discover more about this great opportunity:

- info@edgeinnovate.com
- +44 (0)2887 740525

All correspondence will be treated in the strictest confidence.
Reclamation in situ

To carry out a major reclamation operation, ICF Environment (IRH group) turned to the expertise of Matthew TP and KoncassToo, distributor of EDGE and Rockster product ranges.

Over 200,000 m³ of waste material can be found on the industrial site. As an alternative solution to full excavation of the waste material and transport to a class II landfill site, the ICF Environment has proposed that the waste material be sorted and recovered on site. This alternative solution is both environmentally and economically more beneficial, “thirty million Euros were needed for the full evacuation of all the waste material to landfill. Sorting on site represented a 50% saving not to mention the savings created by the reusing of the reclaimed aggregate which makes up to 70% of the total waste volume”, says Frédéric Leconte, deputy head of site rehabilitation department for ICF Environment. In fact, the company estimates that the waste sorting and washing on site will recover 85% of the total waste found, with only 15% making its way to landfill. Of the 85% recovered, 15% of the waste will be made up of mainly plastic and of the 70% of aggregate recovered, all will be reused on site for the development of a new platform that will serve as the basis for the expansion of the industrial site.

3 STEPS

As it is imperative to treat all on-site waste the clearing and sorting operations are entrusted to Matthew TP. “Given the configuration of the site and heterogeneity of the deposit, we implemented a process in three steps, with a platform dedicated to each one,” explains Sébastien Pierrat, Matthew TP, Director.

The first workshop incorporates a scalping unit that separates three fractions: 0-20mm, 20-80mm and 80mm plus. Fine 0-20mm is stored and will be washed when sorting of the first two fractions are completed.

The 20-80mm fraction is subject to a specific process. Given the moisture content and the amount of soil in the waste, 20-80mm first passes through a trommel to remove the remaining fine fraction of the product.
Once re-screened, the 20-80mm passes through an EDGE material classifier that removes light waste such as plastic, paper and wood from heavier waste such as brick, concrete, and glass. The material classifier’s heavies discharge conveyor is equipped with a magnetic head drum to recover ferrous metal from the heavy fraction. The 80mm plus fraction is transferred to a low feed stockpiler with a 2 bay manual sorting station. Concrete, bricks, plastics, rubber and wood are further removed during this process. The EDGE Low feed track stacker is equipped with an overband magnet to recover additional ferrous material that may have been missed during the previous process.

The 20-80mm fraction is treated by an Edge TRT622 trommel and Edge MC1200 material classifier, the latter separates the light fraction (A) and the heavy fraction (B).

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**MACHINE SPECIFICATIONS**

**ROCSTER RSS515**
- 2 Deck Mobile Screen
- Screening Area: 4200 x 1500 mm
- Hopper capacity: 7m³
- Engine: Deutz
- Length - width - height: 10800 mm - 2500 mm - 3100 mm
- Weight: 25 tonnes

**EDGE TRT622**
- Tracked Trommel
- Drum diameter: 2000mm
- Drum Length: 7000mm
- CAT engine 129HP
- Intelligent regulation system - engine/hydraulic loading system
- Radial 180° fines conveyor
- Weight: 32 tonnes

**EDGE FT550**
- Crawler Conveyor with feed hopper
- Hopper capacity: 4m³
- Conveyor belt width: 1000 mm
- Discharge height: 8200 mm
- Length: 18,500 mm
- Belt Width: 1200 mm
- Speed adjustable feed conveyor
- Feed conveyor: 1200mm
- 4-step separation (+ 2 optional)
- Throughput up to 50 tph (According to the treated material)

**EDGE LTP565**
- Modular Sorting Station 2 to 8 people
- Hopper capacity: 10.5m³
- 2 Deck Vibrating Hopper Screen
- Overband and head drum magnets

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www.edgeinnovate.com 19
MAIN PLAYERS

- The IRH Environment (TO60M€, 450 staff) brings together the offices of water studies, air and waste, the IRH Engineering Council and the sites and soils engineering firm, CF Environment.

- Matthew TP is a construction company specializing in excavation, demolition and machine rental with operator. It owns a fleet of fifty machines (excavators, track and mobile loaders). With its sister company Vitrans (With 100 trucks, Vitrans specializes as a carrier from the evacuation site), Matthew TP is located at their headquarters in Charny (77) in Île de France (150, CA 45 Me). Both companies are MASE certified (Improvement in the Company Safety Manual).

- KoncassToo specializes in the rental, sale and after-sales of material crushing, screening, scalping and mobile conveyors (EDGE and Rockster brands). Based 50km north of Paris, the company led by Grant Johnston provides services ranging from the supply of parts to the establishment of turnkey solutions.

- EDGE (120 staff, TO 16M€) is a family company with over 25 years experience based in Dungannon, Ireland and specializes in the manufacture of a range of conveyors with or without hopper, trommels, slow speed grinders, sorting stations and truck unloaders. With over 14,000 m² of workshop space, EDGE designs and manufactures all their machines from A to Z. Since the creation of the brand in 2009, there are more than 1000 machines installed worldwide.

Dedicated hardware

For the development of the sorting process and the provision of adequate machinery, ICF Environment and Matthew TP relied heavily on the expertise of KoncassToo, EDGE Innovate machine distributor. The primary scalping of the waste material is undertaken using a Rockster RSS515 which is fed using an EDGE FTS 50 when necessary. The FTS (feeder track stockpiler) is equipped with an overband magnet, magnetic head drum and a two deck vibrating live head for the removal of beer capsules. The 20-80mm fraction is furthered treated by an EDGE TRT622 trommel and material classifier, the EDGE MC1200.

Finally, manual sorting is performed on site using an EDGE LTP865 equipped with an apron feed hopper, two bay sorting module allowing up to four pickers and a overband magnet.
“All the machines are mounted on tracks for maximum mobility. On this site it is a necessity given the configuration of the workshops working in the same field for sorting waste” says Grant Johnston, manager director of KoncassToo.

“EDGE is a company that has a range of highly innovative machines for recycling and waste management. Once again, the team at EDGE knew how to be responsive and were able to adapt to the site requirements and specifications of our client. We all hope that this project is the beginning of a long and fruitful partnership between ICF Environment, Matthew TP, KoncassToo and EDGE Innovate in the treatment of contaminated sites across France”.

**Adaptability**

For this particular site the responsiveness of EDGE was imperative given the complexity of the waste material to be processed. “KoncassToo has been a real intermediary between EDGE and the construction site”, says Matthew ICF Environment and TP. For example, to eliminate the flow of metal caps which had disrupted the scalping process and bottlenecked our operation, EDGE and KoncassToo were able to provide a solution in the form of a feed conveyor equipped with an overband and magnetic head drum to extract this troublesome material from the output. “With its feed hopper of 4m³, the feed conveyor can be fed with material from a shovel or loader whilst regulating the flow of material to the next processing step via its variable speed feed conveyor” adds Grant Johnston. The goal with the introduction of this solution is to complete the project for July 2016. “EDGE has certainly changed this goal from being an aim to beginning an almost certainty”.
In 2000, representatives of the Canton of Jura and the BCI (an umbrella group for 8 Swiss chemical companies) signed an agreement to undertake the complete clear up of Europe’s largest toxic waste dump, Bonfol near the French boarder stopped receiving waste in 1976 after a 15-year period of service. A former clay pit it was used by the local chemical industries and the Swiss army to dump waste. It contains around 114,000 tonnes of chemical waste including solvents, colourants and even slightly radioactive material from the watch-making industry. In 1976 the dump was sealed and covered with foliage. However over time this clay bowl began filling up with water, causing contamination to spill out. From 1986-1995 extensive measures (drainage system, septic tank, new cover) were taken to minimize the impact of the landfill on the environment.

In 2011 Basel Chemical Industry (BCI) of Switzerland placed and received an order of two full remote controlled EDGE slow speed shredders. The order had been placed after a local explosion occurred during a pilot project at the site in July 2010. Following the green light from the Minister of the Environment and Public Works of the Canton of Jura, Philippe Receveur, waste excavation work resumed on May 2011.

Now, the bridge crane grab excavates the discharge of waste and stores it in a tray. A remote-controlled excavator feeds the EDGE shredder that breaks the waste and opens potential sealed containers. Finally, a remote controlled trolley routes split wastes to the preparation area, where it is analysed, prepared and stabilized.

Fast track to 2016 and the two EDGE Slayers still play a pivotal role for BCI in the land reclamation project at Bonfol. BCI needed a machine which could shred huge volumes of material which was both highly volatile and potentially explosive. Engineers from EDGE worked closely with BCI, to ensure optimum production while also minimizing the health and safety threat. The EDGE Slayers supplied to BCI have been fully customised to the operator’s unique specifications. Due to the heightened risk to operating personnel during processing, the entire plant found on site must be remotely operated. The bespoke units supplied by EDGE included; full remote control functionality and a unique side loading hopper. The bespoke options found on the two shredder units have enabled operators to have full control of the unit from a control room 100 meters away and has allowed the loading of the chamber via it's customised remote side tipping hopper, accommodating the protective canopy that encloses the shredder chamber.
The EDGE Slayers have provided a key role in the safe reclamation of the contaminated site by processing the excavated waste, making it safe for incineration and eliminating the risks & damage from further potential explosions.

With five years service in an unforgiving atmosphere the EDGE shredders are still operating as if new. A small weekly service is carried out with service personnel wearing protective suits. Oil and air filters are changed weekly due to high levels of dust and caustic air.

“The shredders are alternated every 300 hours to enable more complex servicing to take place in a safe environment. The two large Liebherr diggers found on-site have had engine changes after 1700 hours of service but the CAT engines found in the EDGE Slayers with the help of weekly air filter change are still running well”. Patrick Vallet, BCI Maintenance Engineer.

A total of 100,000 tonnes of waste has been excavated since April 2010 with the project planned to complete the final clean in 2016.

“This particular project is an extreme example of EDGE’s ability to offer customers a fully customised solution to ensure optimum production for their application. It demonstrates our willingness to work with our customers in this case, to ensure high production whilst ensuring we provided a solution that offered a high level of health and safety.

Martin Gallen, Senior Engineer, EDGE Innovate.
EDGE Recycling Range has been designed to make the identification and separation of waste materials an easy task. The range includes Shredders, Picking Stations, trommels, Air Separators, Screeners and Recovery Plants. All of our products have been designed to cut down your costs and maximise profits.

“Reduce landfill cost and create new revenue streams with the EDGE Recycling Range”
EDGE Innovate are proud to announce that GreenRock Equipment have been appointed as the dealer of the entire Edge Innovate product range in California and Hawaii. From their base in Orange County, GreenRock Equipment concentrate solely on providing the EDGE Innovate product range to the surrounding area and throughout the states of California and Hawaii. This singular focus provides a great base for EDGE Innovate and GreenRock Equipment to provide the correct products, solutions and customer service to ensure optimum production.

With the co-founders of GreenRock Equipment, Shea McKiver and John Connolly, being former trusted employees of EDGE Innovate; their combination of field and factory experience leaves them with a wealth of knowledge of both the EDGE product portfolio and the wider construction, quarrying and recycling industries.

“GreenRock Equipment is delighted to combine with EDGE Innovate to provide a wealth of solutions to a range of industries in Californian and Hawaiian. Our decision to concentrate on the EDGE brand is due to the belief that EDGE products can work just as effectively as a single item or seamlessly with products from other suppliers to provide problem solving solutions. This concentration on the EDGE brand will allow us to dedicate our time to providing high levels of customer service and providing the ideal equipment for each customer’s individual needs.” Shea McKiver – GreenRock Equipment Co-founder.

“In Shea and John we have two experienced individuals in the EDGE range that have witnessed first-hand the solutions EDGE products can provide. Therefore; GreenRock Equipment is the ideal representative for us in the Californian and Hawaiian markets by not only providing us with the best opportunities but giving the customer the best level of customer service and product experience available.” Darragh Cullen – EDGE Innovate Managing Director

Greenrock Equipment will offer the complete EDGE range of equipment including mobile and tracked stackers, feeders, radial truck unloaders, roll-sizers, trommels, grinders, flip flow screens, air separators, fines recovery plants and sorting stations to the Californian and Hawaiian markets.

Scan here to find out more www.greenrockequip.com

www.edgeinnovate.com 25
EDGE Innovate are delighted to announce Ormonde Machinery as the exclusive dealer for the complete EDGE Innovate product line in Ireland. From their base in Kilkenny, Ormonde Machinery provide a wide range of quality, robust equipment to meet the demand of their ever growing client base within the construction, quarrying and recycling industries. As Ireland’s construction industry has demonstrated substantial growth with new orders rising once again for the twenty-fifth successive month and improving economic conditions; it would appear to be the correct time for EDGE Innovate to expand its’ brand presence at home. Ormonde Machinery specialise in the field of materials processing equipment and have established a strong name and market presence over the past number of years.

Ormonde Machinery will be delivering the entire EDGE portfolio of mobile and tracked stackers, feeders, radial truck unloaders, roll-sizers, trommels, shredders, flip flow screens, air separators, fines recovery plants and picking stations to the Irish market.

“We are delighted to join forces with Ormonde Machinery. With invaluable expert technical knowledge and dedicated service support, Ormonde Machinery is the perfect partner to represent and grow the EDGE brand in Ireland” Eunan Kelly, EDGE Innovate Managing Director.
New Appointments

at EDGE Innovate

A number of new appointments have been made in the past few months here at EDGE Innovate to strengthen our Sales Department and continue to improve the quality of service and expertise to our growing customer base throughout the globe.

Mark Russell - Sales Consultant, Scotland & Northern England

“I have spent over 20 years working in the material processing industries for a number of prominent machinery manufacturers holding various roles from production assembly, field service sales and management both in the UK and overseas. My aim is to help push the EDGE brand into its rightful place as the premier equipment choice for all waste and mineral processing companies in Scotland and Northern England.”

mark@edgeinnovate.com

Mark McGlinn - Sales Consultant, Europe, Middle East & Far East

“I have spent over 10 years working in a sales representative role within the FMCG and machinery industry. I am currently responsible for new sales and developing the dealer network for EDGE within Eastern Europe, Middle East and the Far East. My aim is to continue to grow the EDGE brand within this highly competitive market.”

mark.mcglinn@edgeinnovate.com

Welcome to our Comfort Zone...

With our ethos of “Innovation at Work” EDGE persist in pushing the boundaries of design and manufacturing to produce hard working, quality machinery to fit any materials handling requirement from mining and quarry industries to port terminals.

EDGE RTU220 - KEY FEATURES

- Unload directly from articulated road lorries
- Feed into train wagons, barges, ships and hoppers
- Eliminate the need to double-handle materials
- Improve cycle times and on-site production

“Equipment built to work as hard as you do”
Smaller Size. Lower Costs. Big Performance. SLAYER XL.

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