



Gem
gulf earth moving wll



emw
earth moving worldwide

CORPORATE PROFILE



ABOUT US



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WHO WE ARE

GULF EARTH MOVING (GEM) and EARTH MOVING WORLDWIDE (EMW) are based in Qatar and Abu Dhabi (UAE), purposed to serve large scale earthmoving and maritime projects in the GCC.

We firmly believe it is the combination of our people, machines and passion that makes it possible for us to be the best at what we do. 'PEOPLE, POWER & PASSION TO BUILD ON' - that's our motto and our strength.

THE WORK WE DO

Activities such as large scale earthmoving, aggregate crushing and sieving, rock revetment works and soil improvement are all part of our area of expertise. With our wealth of experience, modern equipment and skilled professionals we are able to deliver the highest standards in terms of quality, flexibility, productivity and safety, bringing each project to a satisfactory conclusion.

In addition, we have a wide range of excavators, equipment attachments including hammers and You can immediately use our modern

bulldozers, wheel loaders, dump trucks and rippers at our disposal for long term rental. equipment fleet to get your project done.

Further on in this brochure we will and give you an overview of

introduce numerous international projects our equipment.



CORE VALUES

WHAT WE CARE ABOUT

As a global company we bear great responsibility for our people and the environment, meaning we dedicate ourselves to meeting the expectations of our clients, without compromising our excellent QHSE performance.

WHAT'S OUR DRIVING FORCE?

Our people, they are the key to a successful project. Therefore we, at GEM and EMW, do our best to ensure a safe and professional work environment for all our employees and workers.

To help us reach these goals, we have set up an Employee Welfare Committee and are continuously improving our QHSE management system.

The end result is motivated employees and superior services, leading to satisfied clients.





OUR SERVICES

- LARGE SCALE EARTHMOVING
- SITE PREPARATION WORKS
- AGGREGATE CRUSHING & SCREENING
- SOIL REMEDIATION WORKS
- ROCK EXCAVATION
- MINING & QUARRYING
- DEMOLITION
- COASTAL PROTECTION & ROCK REVETMENT
- EQUIPMENT RENTAL DREDGING INDUSTRY
- EQUIPMENT RENTAL GENERAL
- SOIL IMPROVEMENT & COMPACTION



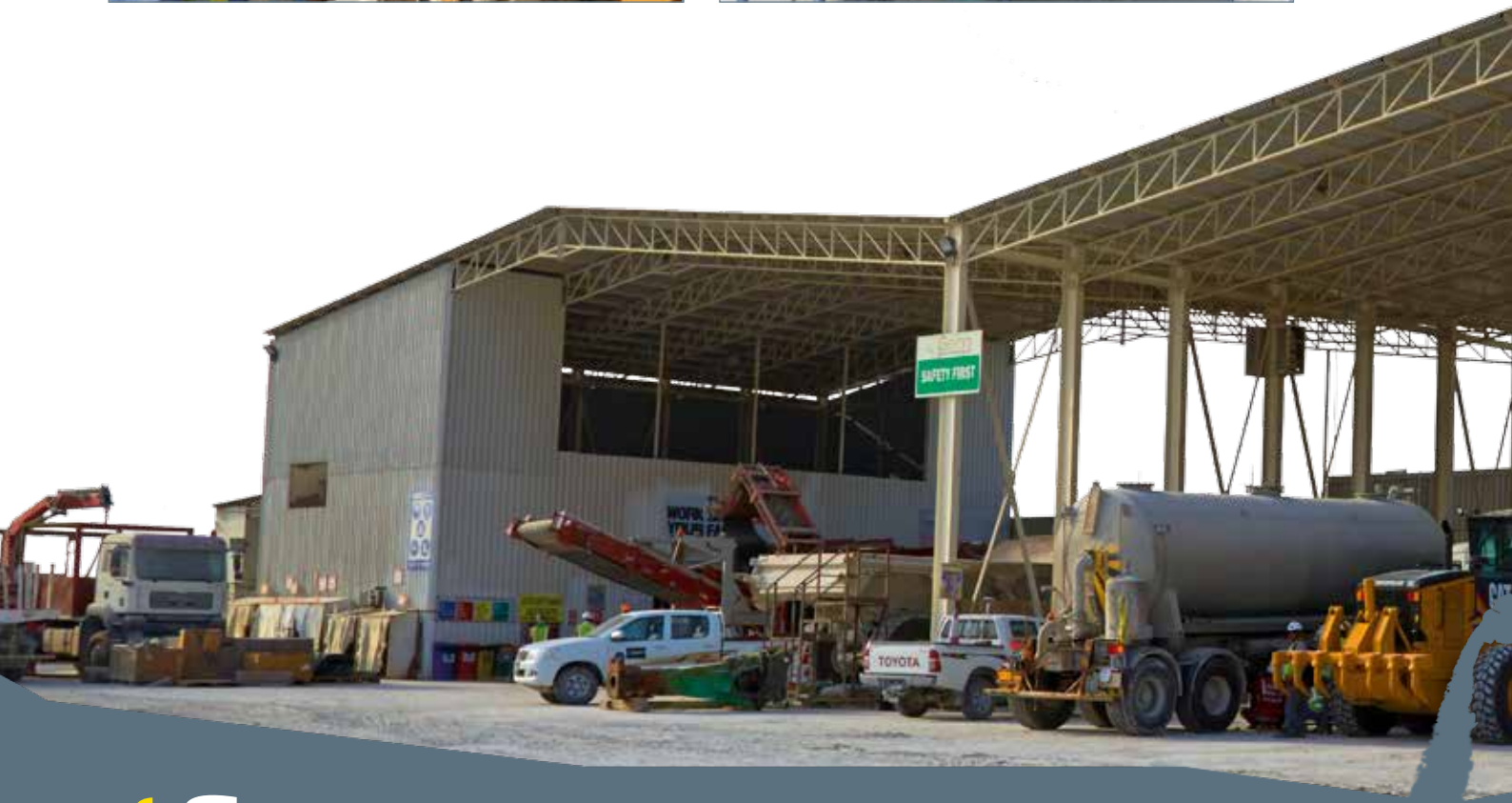


WORKSHOP

In order to keep our fleet of equipment in top condition we have invested in our own fully equipped workshops with welding area, tyre repair workshop and hose repair.

On top of that, our highly specialized mechanics and their up-to-date knowledge are an indispensable asset for the high-quality service and maintenance of our modern equipment fleet.

As a result of our fully equipped workshop, our qualified personnel and full technical support from our partner Aertssen in Belgium, downtime is reduced to a minimum.



LABORATORY



Our QA/QC Laboratory is monitoring and coordinating on day to day base the quality of the materials applied on site. These tests include amongst others:

- Sieve Analysis
- Dry Density related to Moisture Content to determine the optimums (MDD Proctor)
- Field Density Test by Sand Replacement
- Atterberg Limits
- Moisture/Water Content

These tests ensure us that the materials, processed on site, are compliant as per the project and client specification.



HEALTH SAFETY

Health and Safety is of utmost importance and part of the core values of GEM and EMW.

Our Health and Safety department monitors daily compliance with our Safety Management System to ensure that all members of the workforce go home unharmed and assets remain undamaged.

Compliance with International and local legislation, regulations and safe work practices is just one of the ways in which we meet this goal.

Daily STARRT meetings, toolbox talks and practical drills are conducted and also awareness programmes are developed to ensure that Health and Safety is embedded in our daily activities which results in a healthy Safety Culture.



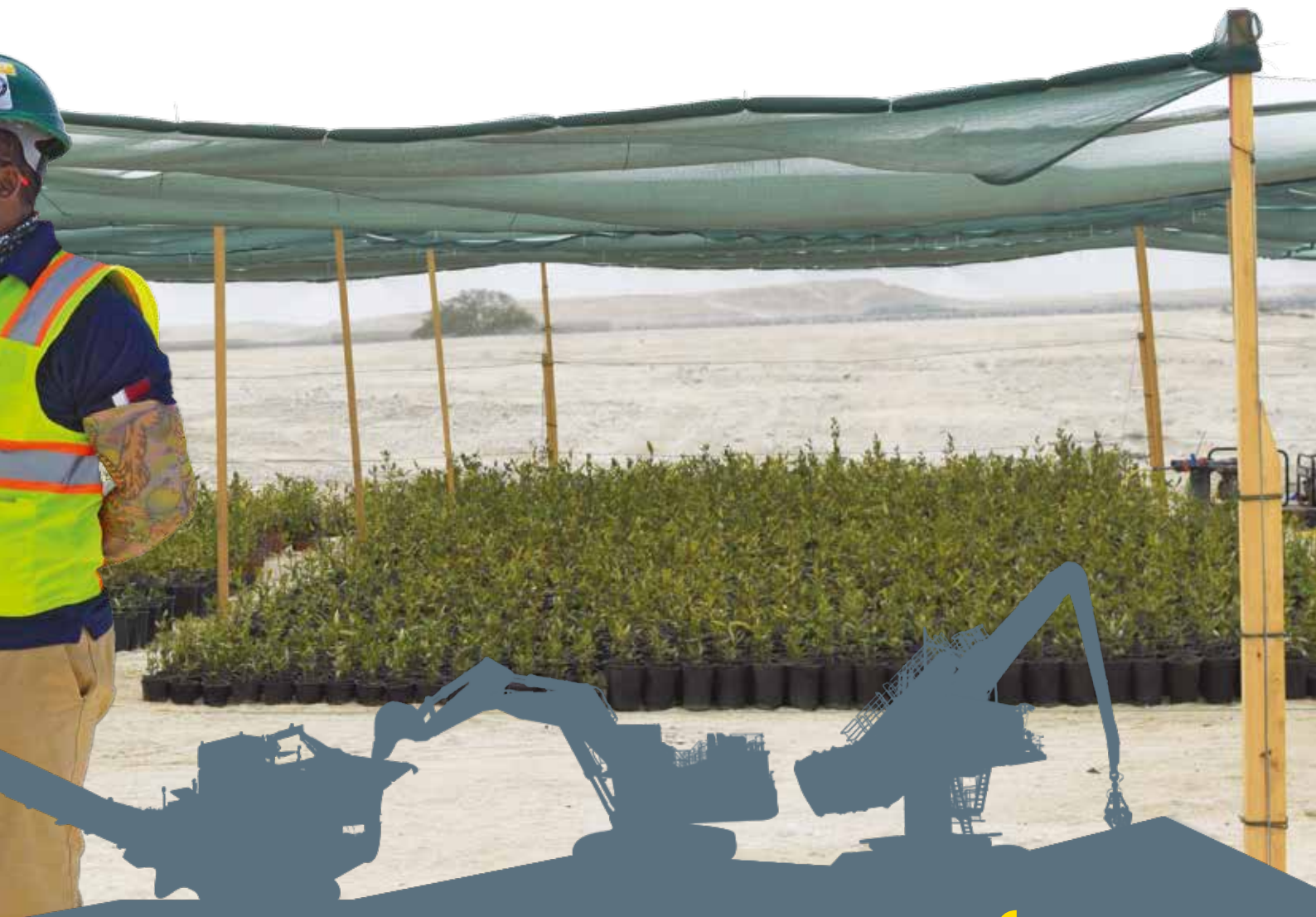
ENVIRONMENT

We pride ourselves on our environmental performance and are focused on ensuring that our activities are undertaken in a sustainable manner.

Protection measures are developed that are at a project level and are a best fit for the situation.

With our in-house expertise we are able to provide you with services ranging from the design and implementation of efficient environmental monitoring systems, proactive general and hazardous waste management solutions, through to specialist environmental advice to ensure that your project is a success.

If required, the right mitigation measures are implemented to ensure the best possible solution, while ensuring we meet or exceed all international and local environmental laws and regulations.



SURVEY

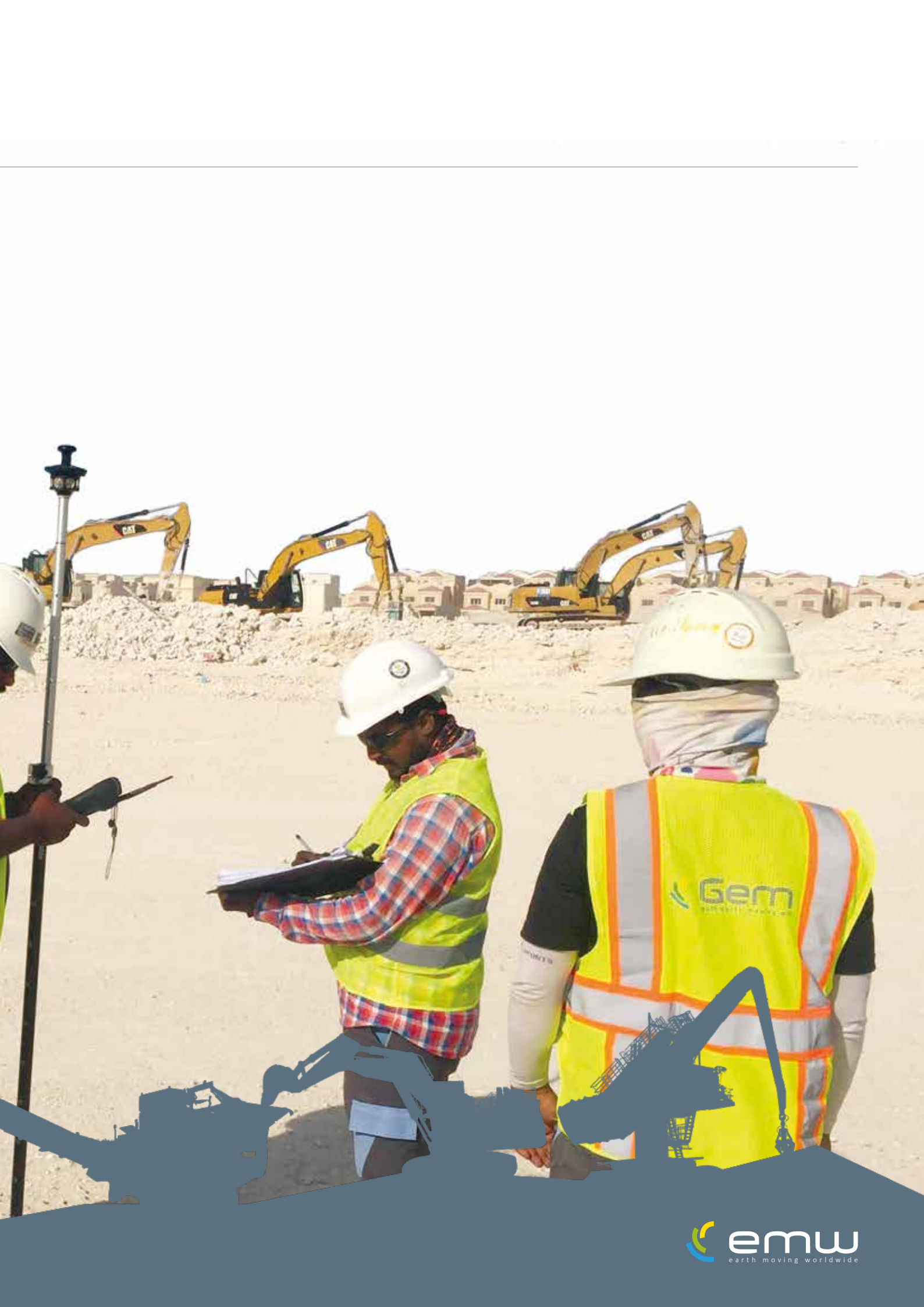
With our own survey department we have all the necessary equipment and skills to ensure complete follow up of the job to guarantee a high level of finishing.

Our team consists of experienced topographic surveyors, well versed in performing all types of surveys, either by GPS or Total Station. Services also include data processing, volume calculations, survey drawings.

We also maintain a large fleet of GPS RTK excavator positioning systems which allows the operator to see progress in real time.

Equipment can be calibrated in-house adding to our efficiencies. We also have 3D RTK GPS systems for our graders and bulldozers which greatly reduces time and cost associated with completion works.



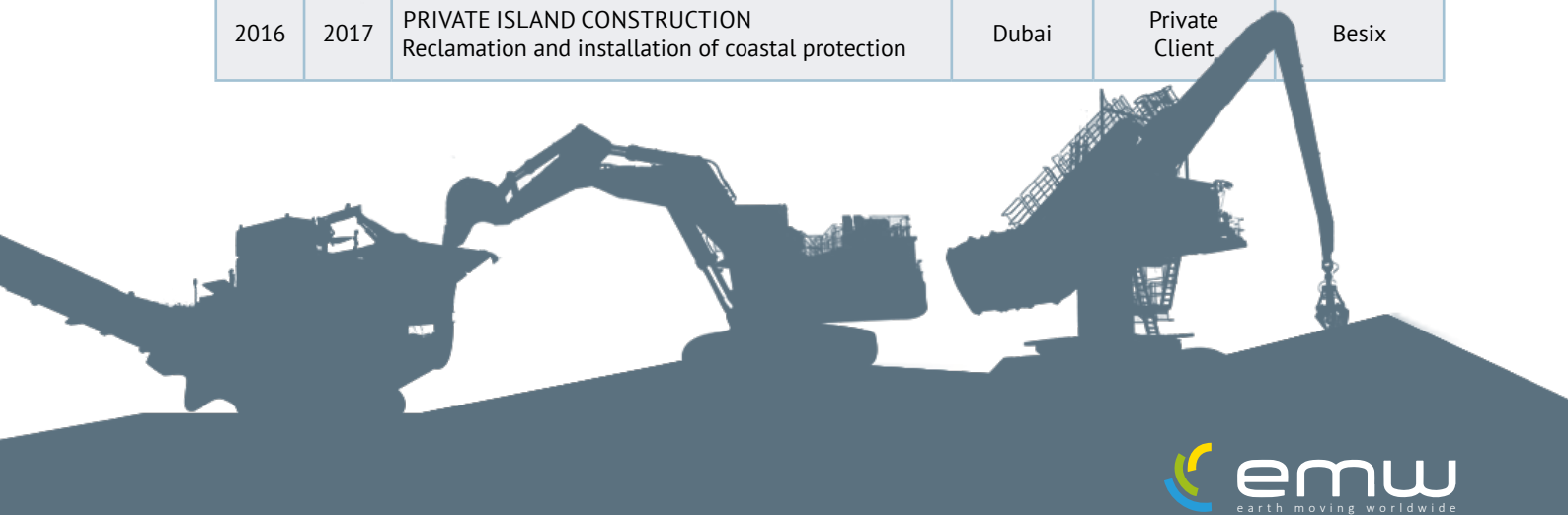


PROJECTS / EXPERIENCE

FROM	TO	PROJECT	LOCATION	CLIENT	CONTRACTOR
1999	2009	DEURGANCK DOCK Construction of Tidal Dock	Belgium	Ministry of Public Works	JV Aertssen-Cordeel
2006	2008	FORGE DE CLABEQUE Soil Remediation	Belgium	OVAM	Aertssen
2006	2007	HAMAD INTERNATIONAL AIRPORT Rental of Earthmoving Equipment	Qatar	New Doha Airport	JV NDIA (QDC)
2006	2009	RAS LAFFAN PORT EXPANSION Construction of Southern and Outer Breakwater and Rental of Equipment	Qatar	Qatar Petroleum	CFE Qatar
2007	2012	MUSANDAM ROCK QUARRY Rock Excavation and transportation	Oman	Musandam Rock	Musandam Rock
2008	2011	LIEFKENSHOEK Railway Tunnel	Belgium	Infrabel	THV Locobouw
2009	2012	RUWAIS REFINERY EXPANSION Earth Moving: Shifting 18.000.000 m ³ of Preload. Reclamation of 12 km ²	Abu Dhabi	Takreer	MEDCO - Dredging International
2010	2011	RUWAIS REFINERY EXPANSION Construction of Jetty and Banking	Abu Dhabi	Takreer	GS E&C
2010	2011	RUWAIS REFINERY EXPANSION Supply and Compact of Base Course Material for Roads and Platforms	Abu Dhabi	Takreer	GS E&C
2010	2011	RUWAIS REFINERY EXPANSION Excavation and Stockpiling Trenches for Foundation of Pipe Racks	Abu Dhabi	Takreer	Dodsal
2011	2011	BOROUGE EXPANSION Excavation and Hauling for Power Station	Abu Dhabi	Borouge	Kettaneh Construction
2012	2013	ARTIFICIAL ISLAND FOR SATAH AL RAZBOOT Rental of Lifting Cranes and Earthmoving Equipment	Abu Dhabi	ADMA / OPCO	MEDCO - Dredging International



FROM	TO	PROJECT	LOCATION	CLIENT	CONTRACTOR
2012	2015	NEW DOHA PORT Earthmoving, Crushing, Soil Improvement, Reclamation, Breakwater Construction – 36.000.000 m ³	Qatar	New Port Project	MEDCO
2013	2014	NEW DOHA PORT Offloading Rock Barges	Qatar	New Port Project	DELTA
2013	2014	BUSINESS BAY DUBAI Removal of Bund between the Dubai Creek and the Business Bay Lagoons (Tidal Area)	Dubai	Business Bay Development	SIXCO
2013	2014	RAS AL KHAIMAH Equipment Rental	Ras Al Khaimah	BOSKALIS	BOSKALIS
2014	2014	BARAKAH NUCLEAR POWER PLANT Rock Revetment Works of Seawater Intake Basin and Mixing Basin	Abu Dhabi	ENEC	ATHENA
2014	2014	STRATEGIC WATER CIRCULATION Dredging Canal from the Shore	Liwa – Abu Dhabi	ADWEA – Abu Dhabi Water and Electricity Authority	NMDC
2014	2014	SALWA BEACH RESORT Site Preparation, beach installation and coastal protection	Qatar	Private Engineering Office	Tahsgeel- Besix
2015	2016	CONSTRUCTION OF COASTAL PROTECTION	Kalba	Kalba Municipality	Ghantoot
2015	2016	LAGOON INFILL Process, transport, lay and compact 9,000,000 m ³ material	Qatar	New Port Project	GEM
2015	2015	ORBITAL HIGHWAY Crushing and screening of material to produce road base and other materials	Qatar	Ashghal	Daewoo
2015	2016	MARINA CONSTRUCTION Installation of Breakwater	UAE	Private Client	Al Yammahi
2015	2016	CONSTRUCTION OF ISLANDS Installation of rock revetment works	Qatar	Private Engineering Office	UCC
2016	2016	DUBAI CANAL Bulk Excavation and Removal of Bunds	Dubai	RTA	Besix
2016	2017	PRIVATE ISLAND CONSTRUCTION Reclamation and installation of coastal protection	Dubai	Private Client	Besix



OUR EQUIPMENT

We have an exceptionally young and performant fleet of excavators, bulldozers, wheel loaders, dump trucks, cranes, etc. that are up to every challenge. In the GCC we have currently 245 earthmoving equipment in our range.

In addition, we have more than 1.000 trucks, bulldozers, excavators, mobile and crawler cranes, dump trucks, etc. at disposal through our partner Aertssen in Belgium (www.aertssen.be) and our sister company Aertssen Machinery Services (AMS) in UAE.

EXCAVATORS

Hitachi
EX 2500-6

Hitachi
EX1900-6 (+ long reach 40 meter)

Hitachi
EX1200 -5/6 (+ long reach 28 meter)

Hitachi
ZX870-6 (+ long reach 21 meter + elevated 1.5m)

Caterpillar
390D (+ long reach 21.5 meter)

Caterpillar
374DL

Caterpillar
349DL

Caterpillar
340D2L

Caterpillar
329DL

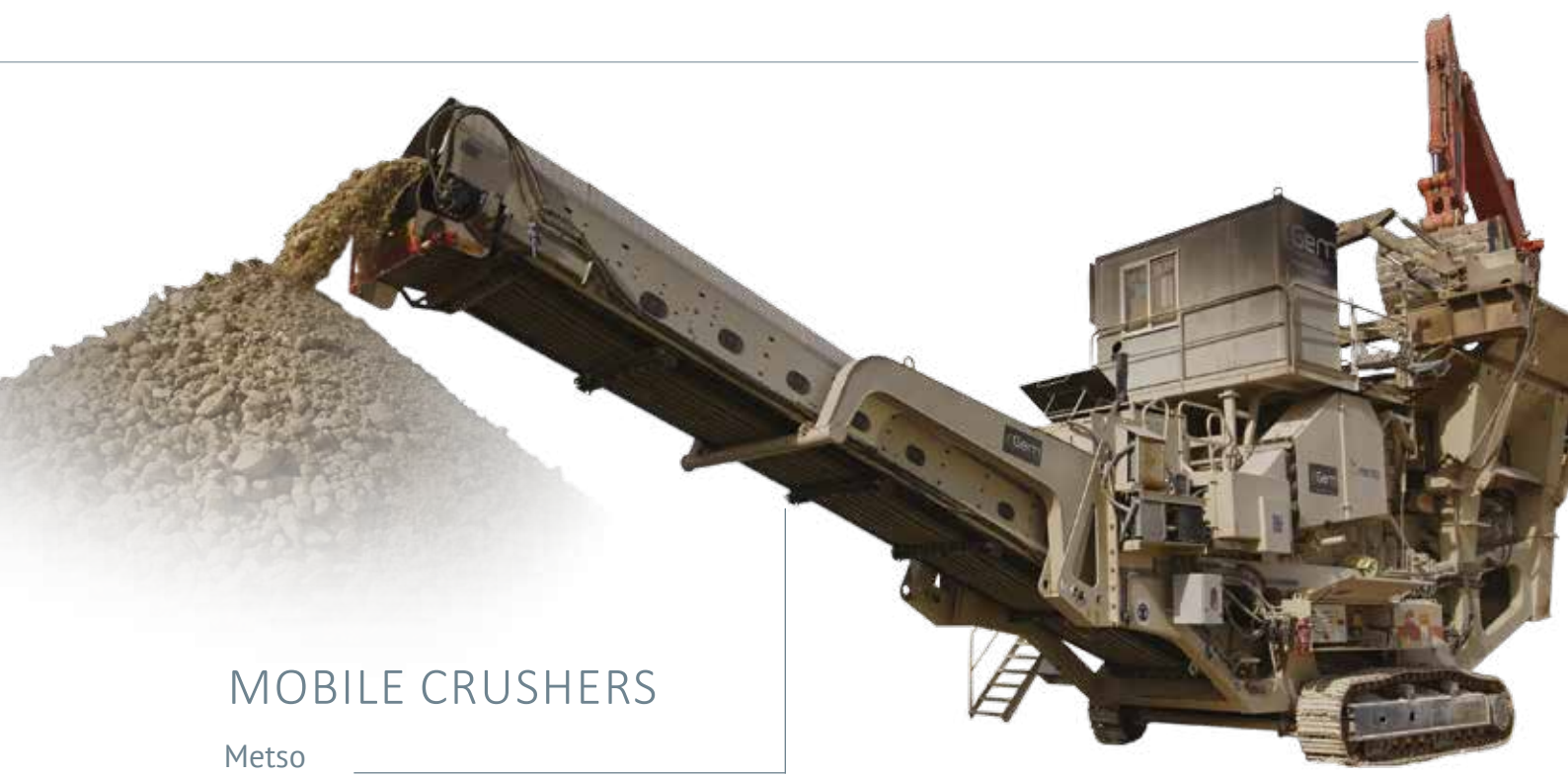
COMPACTORS

Bomag
BW216 D4

Dynapac
CA270

Yutong
6830





MOBILE CRUSHERS

Metso
LT140

Metso
LT120

Giporec
R170 FDR

GRADERS

Caterpillar
14M

ARTICULATED DUMP TRUCK

Volvo
A40F



WHEEL LOADERS

Caterpillar
988H

Caterpillar
980H

Caterpillar
966H

TRUCKS & TRAILERS

Mercedes
ACTROS 3848S

Gorica
40CBM ROCK BODY

BULLDOZERS

Caterpillar
D10T

Caterpillar
D9R

Caterpillar
D8R/T LGP

Caterpillar
D6R/T LGP

MOBILE SCREENS

McCloskey
R230

McCloskey
R155

McCloskey
S190

Terex Finlay
883





HANDLING CRANES

Sennebogen
880 EQ (40 meter reach)

OUR PROCESS



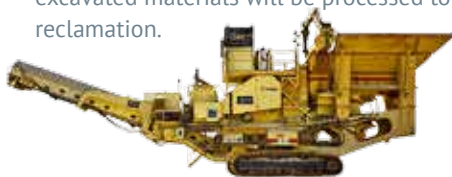
EXCAVATION

Includes the process of removing the materials from the excavation area and loading the materials on the haulage equipment.



SCREENING / CRUSHING

Includes all the required processing of the materials, like crushing, screening, mixing, so the material will meet the respective specifications/grading for reclamation fill. The purpose of the processing is to reduce the size of the excavated materials within the specifications. The size distribution and fine content of the excavated materials will be processed to be suitable for the reclamation.



TRANSPORT

The reclamation areas or stockpiles will be created with material delivered by articulated dump trucks or tipping trailers, depending on the haulage distance.



COMPACTION

Compact the material in different layers up to the indicated Maximum Dry Density (MDD), by means of heavy duty compactors or high energy impact compaction rollers.



RECLAMATION

Spreading the material coming from the excavation area and the installation of the material into the design profile.



MATERIAL PROCESSING

We have a fleet of mobile crushing and screening plants. This allows us to process the material onsite and thus reducing overall project costs associated with importing various types of fill material.

We have the capability to produce a complete range of end products from aggregates to engineered fill.

By keeping a young fleet this helps us to minimise downtime due to unnecessary breakdowns and allows us to keep your production rates high.



HIGH ENERGY IMPACT COMPACTION

HEIC is the process whereby non-circular rotating masses are towed along the ground by means of a heavy tractor. The rotation of such masses generates a series of high impact and high amplitude blows that are delivered to the surface of the soil.

This will result in a higher level of compaction and an improvement of the load-settlement characteristics of the in-situ soil. The depth of the influence attains 4 meters.



ROCK REVETMENT WORKS

GEM and EMW engage long reach excavators of 80-280 ton with ranges of 20-40 meters for installation of rock and concrete armour protection such as Accropodes™ and XBlocks™.

Systems are utilized to install rocks, trim slopes and level material according to the design specifications, using angle sensors to show the movement of the machine body, the boom, the stick and the bucket and combines 3D GPS machine control, underwater cameras and an echo scope.

This allows us to work at production rates, never seen before in the industry.





MINING SERVICES

Our aim as your load and haul contractor is to allow EMW and GEM to handle all your waste removal and ore haulage so you can focus on the rest of your business.

We have the equipment to drill, clear and pre-strip, remove topsoil as well as build access and haul roads to make the management of your mine site even more efficient.

With a large fleet of modern excavators, dump trucks and other heavy plant, you can leave the earthmoving to us. We ensure you get the job on time and within budget, all the while employing the highest level of Health, Safety and Environmental practices in the industry.





DEMOLITION AND CONSTRUCTION WASTE RECYCLING

Our experienced team can offer safe and reliable demolition on both industrial and commercial sites. Specialist equipment including crushers, grabs and advanced dust suppression tools ensure the highest standard of demolition while adhering to all legislation and client requirements.

From careful planning at the start of projects through to dealing with hazards like asbestos, on to recycling, final site clearance and levelling, we can provide a complete solution for you.

At every opportunity we look to provide safe, sustainable, and environmentally friendly solutions. A key to the success of a demolition project is ensuring that all potential environmental and health hazards are effectively managed and removed and that all recycling opportunities are identified and exploited.

Our crushers can be used to remove all rebar and any other metals from cables can be separated. Scrap metal can be sold and crushed material has the potential to then be used as backfill thus reducing overall project costs.





EQUIPMENT RENTAL

In need of earthmoving equipment? With over 1.000 modern trucks, bulldozers, excavators, wheel loaders, mobile and crawler cranes, ... we can answer your need.

We provide our clients a full service package including personalized advice and the necessary guidance. Our highly experienced service teams guarantee full maintenance service and continuous operations. All this, to help you get your project done.

At any time, we can increase our fleet of equipment to meet your operational goals. This flexible approach will not only improve your financial performance, it will also reduce delivery times and operational risks.

In combination with our expertise on logistics, we can provide our services worldwide on the most remote locations in the construction, mining, dredging and offshore industries.







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