



ecocycle

Environmental & Technical Solutions

EXCEEDING INDUSTRY BOUNDARIES

COMPANY PROFILE
2025

ABOUT US

ECOCYCLE ENVIRONMENTAL AND TECHNICAL SERVICES LLC

ECOCYCLE, ESTABLISHED BY A COLLABORATIVE TEAM OF ENGINEERING AND TECHNICAL SERVICES SPECIALISTS AND LED BY INDUSTRIAL EXPERTS, IS A DEDICATED PLATFORM COMMITTED TO PROVIDING ROBUST, EFFECTIVE, AND HIGH-QUALITY ENGINEERING SOLUTIONS.

OUR TEAM OF EXPERTS HOLDS EXTENSIVE EXPERIENCE IN IMPLEMENTING SUSTAINABLE SOLUTIONS ON THE PRINCIPLES OF CIRCULAR ECONOMY FOR SAFE ENERGY RECOVERY FOR HAZARDOUS AND NON-HAZARDOUS WASTE IN THE INDUSTRIAL SECTORS (OIL & AND GAS, POWER GENERATION, PETROCHEMICALS, AND HEAVY MANUFACTURING INDUSTRIES).

WITH OUR PASSION-DRIVEN LEADERSHIP, WE HAVE CONSISTENTLY SHOWCASED AGILITY AND EFFECTIVE ADAPTATION TO NAVIGATE THE EVER-EVOLVING GLOBAL BUSINESS LANDSCAPE OVER THE PAST DECADE.

Web: www.Ecocycle-co.com

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MISSION

To build a sustainable,
customer -centric
organization that delivers
business technologies
powered by inspired
employees who believe in
excellence, commitment,
and innovation.

VISION

To become a global
growth company driven
by our business models,
growth records,
leadership, and the
markets we serve.

VALUES

Team Spirit,
Commitment, Excellence,
Ambition, Community

OUR EXPERTISE

WE SPECIALIZE IN DELIVERING A RANGE OF SERVICES INCLUDING ENGINEERING, PROCUREMENT, CONSTRUCTION, AND COMMISSIONING. OUR PROCESS BEGINS WITH A THOROUGH IDENTIFICATION AND UNDERSTANDING OF CUSTOMER NEEDS, WHICH WE THEN SKILLFULLY TRANSLATE INTO REALITIES USING OUR ABUNDANT RESOURCES AND EXPERTISE.

OUR SERVICES

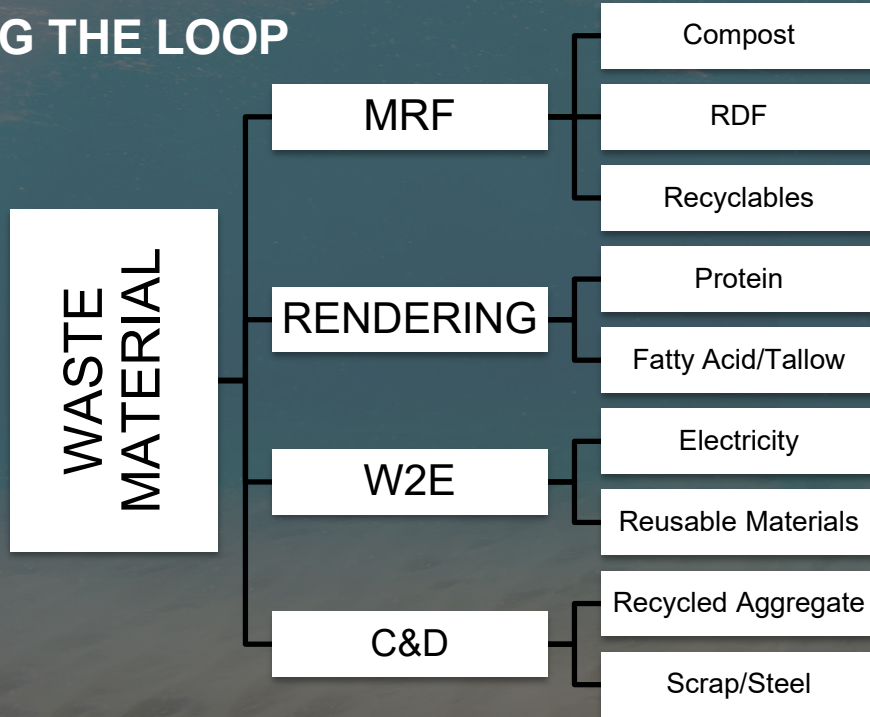
- PROJECT MANAGEMENT CONSULTANCY
- FACILITY MANAGEMENT – SOFT AND HARD SERVICES
- DESIGN, BUILT & OPERATE LANFILLS
- DEAD ANIMAL AND SLAUGHTERHOUSE WASTE RECYCLING
- INDUSTRIAL WASTEWATER SOLUTIONS
- INDUSTRIAL WASTE MANAGEMENT SOLUTIONS
- PRETREATMENT AND COPROCESSING OF INDUSTRIAL HAZARDOUS WASTE (OILY SLUDGES, CONTAMINATED SOIL, GREASES, OILS, AND OTHER CHEMICALS)
- DESIGN AND OPERATION OF MATERIAL RECOVERY FACILITY
- PROCESS ENGINEERING

Waste 360°

ALONGSIDE ECOLOGICAL CONTRIBUTION, ECOCYCLE'S WASTE TREATMENT SOLUTIONS ALSO PROVIDE PROVEN ECONOMIC ADVANTAGES

- Waste Collection
- Waste Management
- Waste Sorting
- Solid Fuels RDF
- Compost from Livestock Manure
- Compost from Household Waste
- Landfills
- Hazardous Waste

CLOSING THE LOOP



THE GOAL:
0%
WASTE

WASTE COLLECTION

SOLUTIONS FOR MORE EFFICIENT AND ENVIRONMENTAL FRIENDLY WASTE COLLECTION



- COMPREHENSIVE WASTE COLLECTION SERVICE AT THE HIGHEST LEVEL OF SERVICE IN UAE FOR AUTHORITIES, INSTITUTIONS AND PRIVATE CUSTOMERS.
- DESIGN AND PERFORMANCE OF COLLECTION SYSTEMS; MANAGEMENT OF BOTTLE CAGES AND PAPER AND CARDBOARD COLLECTION FACILITIES
- INDUSTRIAL WASTE AND HAZARDOUS WASTE COLLECTION TECHNOLOGIES, ADJUSTED TO UNIQUE FIELD CONDITIONS

WASTE MANAGEMENT

Capability of MANAGEMENT OF A COMPREHENSIVE LOGISTIC NETWORK FOR TREATMENT OF ALL TYPES OF WASTE.

- COMPREHENSIVE MANAGEMENT OF ALL TYPES OF WASTE FOR INDUSTRIAL USE
- TRANSPORTATION OF INDUSTRIAL, SOLID OR LIQUID WASTE AND COLLECTION OF HAZARDOUS WASTE USING ADVANCED TECHNOLOGIES
- CONSULTATION AND TRAINING FOR RECYCLING, RECOVERY AND REUSE SOLUTIONS

WASTE SORTING

ADVANCED WASTE SORTING FACILITIES – COST SAVINGS AND MAXIMUM OUTPUT IN RECYCLING PROCESSES



- HOUSEHOLD WASTE AND INDUSTRIAL WASTE SORTING FACILITIES, OPERATING USING LEADING TECHNOLOGIES SUCH AS OPTICAL AND MAGNETIC SEPARATION.
- EXTREMELY HIGH ACCURACY LEVEL SEPARATION AND SORTING OF PLASTIC BAGS, PET, PP, LDPE AND HDPE, PAPER AND CARDBOARD, METALS, NON-METALS
- SEPARATION OF ORGANIC WASTE FOR MANUFACTURE OF COMPOST
- ECOCYCLE PLANS TO ESTABLISH A NUMBER OF NEW SORTING FACILITIES.

RDF (Refuse Derived Fuel) Solid Fuels



ECOCYCLE IS AN INNOVATOR IN THE DEVELOPMENT AND IMPLEMENTATION OF SOLID FUEL MANUFACTURE TECHNOLOGIES - TURNING WASTE INTO ENERGY

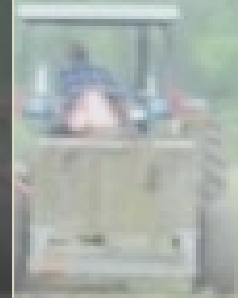
- EXTENSIVE KNOWLEDGE IF DESIGN, BUILDING AND OPERATION OF THE SORTING PLANT
- THE FACILITY RECEIVES URBAN AND INDUSTRIAL WASTE OF THE DAN REGIONAL ASSOCIATION
- THE SOLID RECOVERED FUELS (SRF) AND THE NON-HAZARDOUS DRY WASTE FUELS (RDF) ARE USED AS A CLEANER FUEL ALTERNATIVE BY THE “NESHER” CEMENT MANUFACTURE FACILITY

COMPOST FROM LIVESTOCK MANURE

THE COMPOST FACILITY EMPLOYS NATURE'S RECYCLING ABILITIES AND KEEPS THE ENVIRONMENT GREENER



- DESIGN AND OPERATING A UNIQUE COMPOST FACILITY FOR TREATMENT OF ANIMAL WASTE USING A CONTROLLED BIOLOGICAL DECOMPOSITION PROCESS
- TREATMENT OF FARM WASTE FOR PREVENTION OF ODOR AND POLLUTION NUISANCES, AND REDUCING THE LOAD OVER THE WASTE WATER SYSTEMS
- OUR TECHNICAL KNOWLEDGE PRODUCED COMPOST HAS BEEN HIGH IN DEMAND IN THE FARMING SECTOR, AND IS MARKETING IN ACCORDANCE WITH STRICT INTERNATIONAL STANDARDS



COMPOST FROM HOUSEHOLD WASTE

ECOCYCLE MEW PRE-PROCESSING PRODUCES HIGH QUALITY COMPOST FROM MSW MATERIAL



- ECOCYCLE PROVIDES A WIDE RANGE OF TECHNICAL & AND ENVIRONMENTAL SOLUTIONS RELATED TO INDUSTRIES WITH VARIOUS QUALITY, HEALTH AND SAFETY, AND ENVIRONMENTAL ISSUES.
- SEPARATION OF ORGANIC WASTE IN ADVANCED SORTING FACILITIES AND ITS TRANSPORTATION INTO THE COMPOST FACILITY FOR PROCESSING IN CONTROLLED CONDITIONS
- THE MANUFACTURE PROCESS IS BASED ON ADVANCED KNOWLEDGE AND COMPLIES WITH HIGH STANDARDS OF QUALITY AND CONTROL REACHING ONLY

LANDFILL



SAFE WASTE BURIAL REQUIRES ADVANCED KNOWLEDGE AND A DEEP UNDERSTANDING OF ENVIRONMENTAL RISKS

- DESIGN, BUILDING AND MANAGEMENT OF LANDFILLS, ACCORDING TO LEADING TECHNOLOGIES AND WITH FULL COMPLIANCE WITH ALL REQUIREMENTS OF THE AUTHORITIES AND THE LAW
- STABILIZATION AND MINIMIZATION OF WASTE PRIOR TO BURIAL, AND COLLECTION AND TREATMENT OF LEACHATES FOR PROTECTING THE SOIL AND THE GROUND WATER
- MANAGEMENT OF THE BURIAL LAND RESERVES, AND MAINTAINING THEM IN HIGH STANDARDS FOR MAXIMUM UTILIZATION

HAZARDOUS WASTE



ECOCYCLE'S FACILITIES – THE SAFEST WAY OF HAZARDOUS WASTE MANAGEMENT

- OPERATION OF THE FLY ASH FACILITY IN DUBAI MUNICIPALITY – THE ONLY FACILITY IN DUABI FOR INCINERATION OF MSW WASTE IN VERY HIGH TEMPERATURES.
- ECOCYCLE HAS ASSISTED CLIENTS WITH THE INSTALLATION, REPAIR, RECONDITIONING, AND MANUFACTURING OF REQUIRED COMPONENTS THROUGH REVERSE ENGINEERING AND REFURBISHING PROCESSES.
- PROVIDE SERVICES FOR PRIMARY AND SECONDARY INDUSTRIES WHICH INCLUDE ALUMINUM SMELTERS, STEEL PLANTS, CEMENT PRODUCERS, WASTE TREATMENT FACILITIES, CONSUMER GOODS, AND PROCESSING.

SOIL REMEDIATION



ECOCYCLE IS A PARTNER IN LEADING THE SOIL AND GROUND WATER REMEDIATION FIELD, USING INNOVATIVE AND GROUNDBREAKING METHODS

- OPERATION OF EXPERIENCED FIELD TEAMS AND SPECIALIST EQUIPMENT FOR TREATMENT OF MANY TYPES OF SOIL CONTAMINANTS
- IMPLEMENTATION OF A WIDE VARIETY OF REMEDIATION TECHNOLOGIES FOR TREATMENT OF ORGANIC AND INORGANIC CONTAMINANTS
- COMBINED BIOLOGICAL TREATMENT FOR REMOVAL OF PYROTECHNICAL CONTAMINANTS (EXPLOSIVES)
- COMPREHENSIVE SOLUTIONS FOR TREATING GROUND WATER POLLUTION

WATER



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ECOCYCLE IS AT THE FOREFRONT OF EFFORTS TO ENSURE A RENEWABLE WATER SUPPLY AT THE HIGHEST QUALITY FOR CONSUMERS, AS WELL AS FOR THE INDUSTRIAL AND AGRICULTURE SECTORS



- AIR-TO-WATER TECHNOLOGY EMPLOYS A SERIES OF FILTERS TO FIRST PURIFY THE AIR. THE FILTERED AIR IS SUCKED IN AND CHILLED TO EXTRACT WATER. THE CONDENSATE FORMED IS TREATED AND TRANSFORMED INTO CLEAN DRINKING WATER.
- OUR TECHNOLOGY USES A POLYMER HEAT EXCHANGER RATHER THAN A METAL ONE TO HELP REDUCE COST. EACH DEVICE IS OPERATED USING A PROPRIETARY SOFTWARE AND SENSORS TO ENHANCE PRODUCTION EFFICIENCY.

WASTEWATER TREATMENT

VALUE-PROPOSITION

WE OFFER AN *INTEGRALLY DIFFERENTIATED* SERVICE THROUGH THE APPLICATION OF MOLECULAR RENOVATION TECHNOLOGY (TRM)®

WHICH ALLOWS US TO RESTORE THE RESIDUAL WATER COMPONENTS TO THEIR NATURAL STATE THROUGH THE *MOLECULAR RESTRUCTURATION* OF THE WATER ITSELF.

For more information: www.ecocycle-co.com



WASTEWATER Treatment Technology

1

Chemical reaction

- Water ionization
- Super oxidation effect
- Separation and degradation of contaminants at the molecular level
- Simple and inert components

2

Clarification

- Water clarification and solids separation
- Suspended and dissolved sludge in the water continues to degrade and settle

3

Filtration

- Sand and activated carbon filters, pretreated with TDM®, with a higher solids removal capacity
- Removal of smaller solids to ensure water clarity



ENERGY EFFICIENCY



SOLUTIONS FOR SIGNIFICANT SAVINGS IN ELECTRICITY CONSUMPTION – FOR A CLEANER ENVIRONMENT AND COST SAVINGS

- DESIGN, BUILDING AND OPERATION OF SMART ENERGY SYSTEMS FOR ALL TYPES OF BUILDINGS, HOSPITALS, MALLS, RESIDENTIAL COMPOUNDS, ETC.
- BOT TYPE PROJECTS AND FULL LEASING, WITH A GUARANTEE TO ACHIEVE THE ENERGY EFFICIENCY GOALS SET IN ADVANCE
- LICENSES AND APPROVALS IN THE FIELD OF ENERGY EFFICIENCY – IN ACCORDANCE WITH THE REQUIREMENTS OF THE GOVERNMENT'S PLANS

BIOGAS



ECOCYCLE EMPLOYS NATURAL WASTE DECOMPOSITION PROCESSES TO PRODUCE RENEWABLE ENERGY AND GREEN POWER

- COLLECTION AND PROCESSING OF THE GAS, WHICH IS CREATED NATURALLY BY THE DECOMPOSITION OF ORGANIC MATTER IN THE LANDFILLS, AND IS MADE UP OF METHANE (CH_4) AND CARBON DIOXIDE (CO_2) IN VARIABLE RATIOS
- USE OF THE GAS FOR OPERATION OF POWER MANUFACTURE TURBINES – AS AN EFFICIENT SUBSTITUTE FOR POLLUTING FOSSIL FUELS
- JOINT BUILDING AND OPERATION OF INNOVATIVE BIOGAS FACILITIES IN EVRON LANDFILL AND GANEY HADASS LANDFILL



ADVANCED SOLUTIONS FOR RENEWED RESOURCES

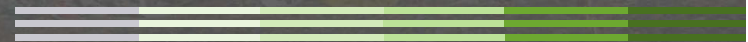
Ecocycle empowers businesses and communities to optimize resource use, reduce environmental impact, and contribute to a sustainable future.

- CLOSED-LOOP RECYCLING
- ZERO-WASTE INITIATIVES
- COMPREHENSIVE RECYCLING SYSTEMS
- INNOVATIVE WASTE-TO-RESOURCE TECHNOLOGY
- SUSTAINABLE WASTE MANAGEMENT CONSULTING
- ENERGY RECOVERY FROM WASTE
- CIRCULAR ECONOMY INTEGRATION
- ADVANCED SORTING AND SEPARATION TECHNOLOGIES
- IMPACT MEASUREMENT & REPORTING



SUSTAINABILITY

CURRENT WASTE PROBLEMS



FMS - FACILITY MANAGEMENT SERVICES



AT ECOCYCLE, WHERE WE REDEFINE EXCELLENCE IN FACILITY MANAGEMENT SOFT SERVICES. WITH A COMMITMENT TO INNOVATION, SUSTAINABILITY, AND CLIENT SATISFACTION, WE STAND AS A LEADING PROVIDER OF MEP, WASTE MANAGEMENT, LAUNDRY, AND COMMERCIAL KITCHEN SOLUTIONS.



CATERING AND FOOD SERVICE

THE BEST QUALITY FOOD PRODUCTS TO PROVIDE AUTHENTIC CUISINE AND FIRST-CLASS CATERING SERVICES.



JANITORIAL, HOUSEKEEPING, AND LAUNDRY SERVICES

OUR SKILLED TEAMS WILL KEEP YOUR FACILITY IN PRIME CONDITION, WITH MINIMAL DISTURBANCE AND ABSOLUTE SAFETY.



MEP MAINTENANCE SERVICES

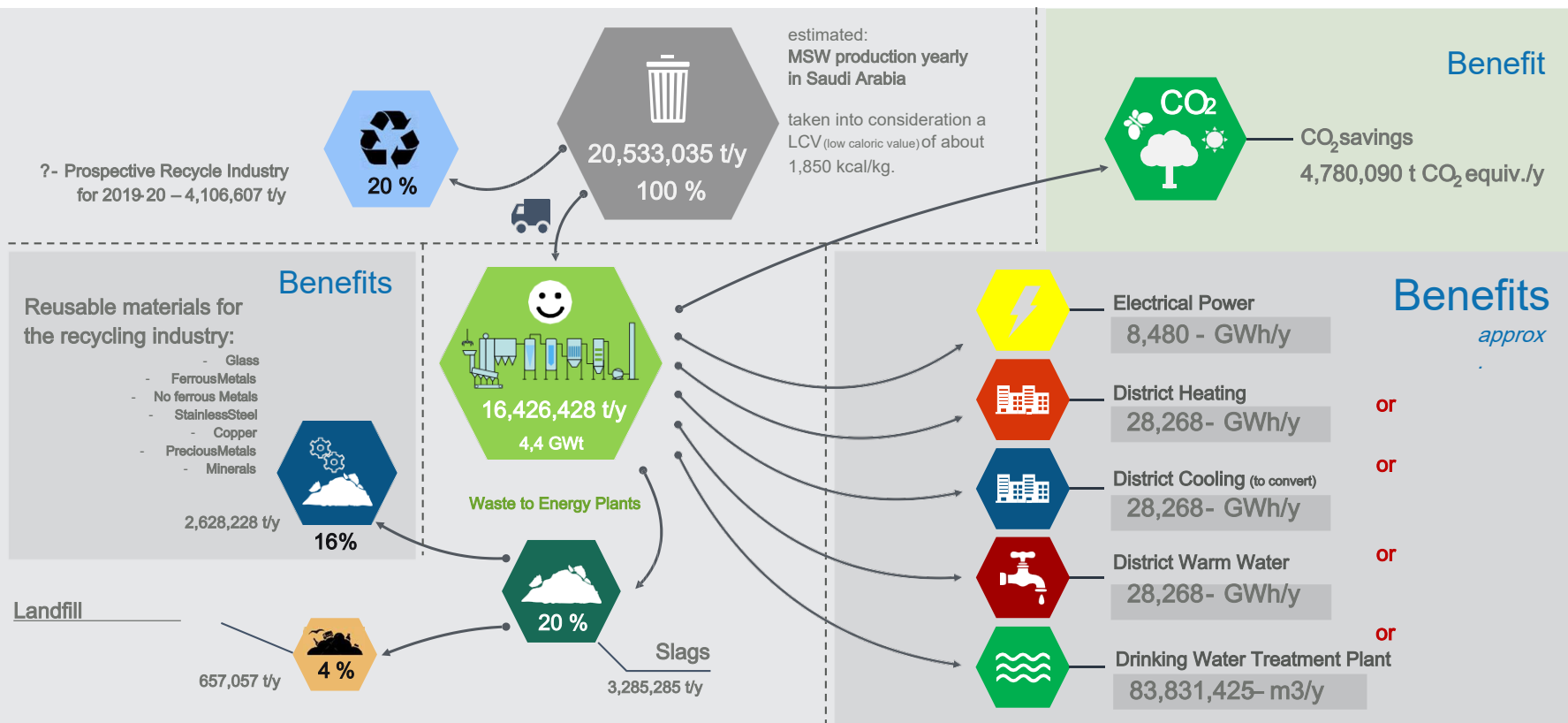
OUR CAPABILITIES ASSURANCE TO MAXIMUM PERFORMANCE THROUGH A SCHEDULE OF PLANNED PREVENTATIVE MAINTENANCE, ROUTING BREAKDOWN CALLOUTS, EMERGENCY RESPONSE SERVICES.



WASTE MANAGEMENT SERVICES

AFTER EVALUATING THE DIFFERENT TYPES OF WASTE GENERATED ON THE SITE, WE FORMULATE A COMPREHENSIVE WASTE MANAGEMENT PLAN ON HOW EACH WASTE STREAM WILL BE DISPOSED OF TO ENSURE NO ENVIRONMENTAL IMPACT.

WASTE TO ENERGY – WTE



DM - IFA MANAGEMENT O&M SERVICES

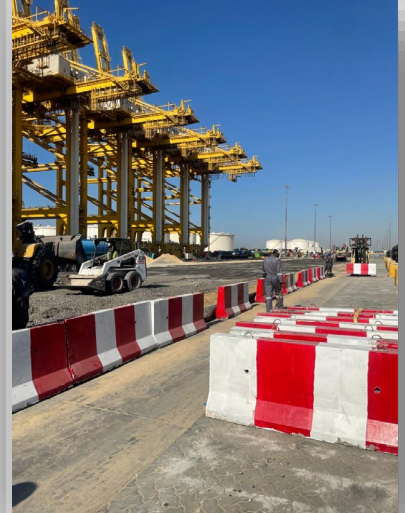
JOINTLY WITH OUR PARTNER MS/ TARHEEL, AT DM HAZARDOUS LANDFILL WE ARE PERFORMING A FLY ASH MANAGEMENT PROJECT INCLUDING COLLECTION AND TRANSPORTATION, RECEIVING AT STATIC SILOS, PACKAGING OF FLY ASH, AND FINAL DISPOSAL AT DESIGNATED AREAS.



DUBAI PORT'S AREA PROTECTION SOLUTION

SUPPLY AND LAYING OF 50CM THICK OF DUNE SAND AND CRUSHED AGGREGATE ROAD BASE (<40). WATERING, LEVELING, GRADING AND WATER ROLLING TO ACHIEVE FINAL GRADE & THICKNESS, COMPACTION IN THE LAYER OF 32CM WITH MDD 98% MINIMUM . (AREA :20720m² and 1920m² METAL BUND).

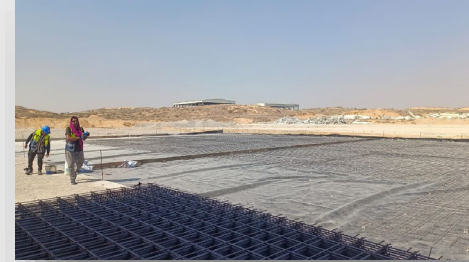
EARTHMOVING MACHINERY HAS BEEN MANAGED EFFICIENTLY TO SUPPORT THE PROJECT TIMELINE TARGET.



BEEAH COMPLEX FOUNDATION AND INFRASTRUCTURE

JOINTLY WITH OUR PARTNER EVOGREEN, AT BEEAH WASTE MANAGEMENT COMPLEX. ECOCYCLE PERFORMED INFRASTRUCTURE JOB FOR HAZARDOUS WASTE PLANT FOUNDATION OF 10,000m² AREA.

ADDITIONAL RESOURCES AND MACHINERY HAS BEEN PERFORMED DURING THE PROJECT OPERATIONS. A SEPTIC TANK FOR WASTE WATER HAS BEEN DESIGNED AND BUILT FOR THE PROJECTS



STRATEGIC PARTNERS AND CLIENTS

بلدية دبي
Dubai Municipality



DP WORLD



ambipar[®]
response



EGA
الإمارات العالمية للألمنيوم
EMIRATES GLOBAL ALUMINIUM



VHR
GROEP



GREENTHESIS
GROUP

OMPECO





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