



RENEWABLE COGEN GLOBE

CENTRE FOR ENERGY, ENVIRONMENT AND CLIMATE CHANGE



**SUSTAINABLE
DEVELOPEMENT
GOALS**

KEY ACHIEVEMENTS

Our team has more than 30-year history of quality and trust.



CORE VALUES

- Clients over profit
- Value creation in services
- Success through teamwork
- Long lasting clients/partners
- Respect to diversified cultures
- Innovative win-win business solutions
- Consistent growth to meet goals
- Happy employees/happy clients

OUR FOOTPRINT



**EXPANDING
FASTER...**

SOME PROJECTS



Egypt

GHG mitigation through vehicle scrapping and recycling programme



China

Power plant, factory visits, bid negotiation with Chinese power plant equipment suppliers



Canada

32 MW biomass electricity generation project in Canary Islands



Moldova

Energy efficient public heating systems



Thailand

Energy efficiency improvement for street lightings



Philippines

Feasibility study and biomass resource assessment for a 10 MW biomass power plant



Bangladesh

Installation of 4 million Solar Home Systems (SHS)



Kenya

Energy+ programme: enhancing access to clean and sustainable energy



Gabon

Feasibility study for a 10 MW biomass power plant, steam supply in a wood SEZ



SOME PROJECTS



UK, Kuwait

Feasibility study for a 30 MW MSW power plant in Kuwait for an UK based company



Singapore

Feasibility study for 2x30 MW multi fuel biomass power plant



East Africa

African clean energy switch – Biogas (ACES biogas)



Chad

Restoring degraded ecosystems through clean energy services and improved agri-business value chain



Vietnam

Vietnam Energy Efficiency and Carbon Crediting Programme (VE2C2P)



Tanzania

Five year Sustainable Energy for all (SE4ALL) programme implementation



Nepal

720 kW biomass gasification power plant



Germany

Revision of CDM methodological tools by evaluating additionality & common practice using market penetration



Philippines, Myanmar, Thailand

Mainstreaming integrated solid waste management in Asia



OUR BUSINESS ACTIVITIES



01. Project consulting



02. Project development/finance



03. Business/IT solutions



04. Training/Workshop/Capacity building



05. Research and analysis

OUR EXPERTISE



Renewable and Clean Energy



Environment



Climate Change



Country Programme Design



Energy Efficiency



Carbon Footprint Reduction



MSW Management



Sustainable Development



Business Solutions



Project Development/Financing



Sustainability Reporting



IT Solutions



Training/Capacity Building



Social Responsibility

RENEWABLE ENERGY



01. Solar PV



02. Wind



03. Hydro



04. Biomass



05. Biogas



06. Geothermal

RENEWABLE ENERGY



07. Tidal Power



08. Biofuel



09. Hydrogen



10. Battery Storage



11. Rural Electrification



12. Policy

ENVIRONMENT



Environmental
Impact Evaluation
(EIE)



Environmental
Policy



Waste
Management



Air Pollution
Control



Environmental
Evaluation for RE
Projects



Afforestation and
Reforestation



Biodiversity
Preservation



Lake/River
Restoration



Ocean
Preservation



Marine pollution
and management



Sustainable Land
Use Management



Sustainable
Irrigation

CLIMATE CHANGE

GHG Accounting

Business Carbon Management

Carbon Footprint Offset

Carbon Benchmarking

Climate Change Policy

New Market Mechanism

Paris Alignment

Carbon Trading

GHG Emission Reduction

Adaptation Advisory

Carbon Compliance

Establishment of Carbon Foundation

PROJECT DEVELOPEMENT AND FINANCING



Mobilization of
Finance



Negotiation



Equipment Due
Diligence



Project Due
Diligence



Economic
Analysis



Resource
Assessment



Loan Facilitation



Technology
Assessment



Technical
Assessment



Financial Analysis



Site Assessment/
Selection



Contracting

COUNTRY PROGRAMME DESIGN

Renewable Energy Strategy

Country Development Strategy

Renewable Energy Roadmap

Donor Fund Mobilization

Donor Programme Design

GEF Programme Design

Energy Scenario Analysis

Climate Investment Programmes

Nationally Determined Contribution
(NDC)

Policy

National MRV design

Smarter Urban Development

ENERGY EFFICIENCY



ENERGY EFFICIENCY



01. National Energy Efficiency Scheme



02. Energy Management System



03. High Rise Building



04. Commercial Building



05. Residential Building



06. Space Heating/Cooling

ENERGY EFFICIENCY



07. Transmission and Distribution



08. Industry



09. Clean Cooking



10. Policy



11. Marine Sector



12. Power Sector

CARBON FOOTPRINT REDUCTION



01. Governments



02. Clean/Green and Sustainable Cities



03. Corporates



04. Companies



05. Buildings



06. Healthcare

CARBON FOOTPRINT REDUCTION



07. Education



08. Chemical



09. Textile



10. Automotive



11. Financial Service



12. Power

SUSTAINABILITY REPORTING



01. Government



02. Corporate



03. Healthcare



04. Education



05. Chemical



06. Automotive



07. Infrastructure



08. Financial Service



09. Power

SUSTAINABILITY REPORTING



10. Telecom



11. Entertainment and Media



12. Manufacturing



13. Metal



14. Oil and Gas



15. Pharmaceutical



16. Aerospace



17. Marine



18. Mining

MSW MANAGEMENT



01. Incineration Power



02. Landfill Gas Power



03. Biogas Power



04. MSW Management



05. E-Waste Management



06. Plastic Waste Management



07. Ocean Plastic Abatement



08. Material Recovery



09. Waste to Energy

SUSTAINABLE DEVELOPEMENT



BUSINESS SOLUTIONS



01. Business/Financial Due Diligence



02. Risk Assessment and Management



03. Business Deals/Valuation



04. Merger/Joint Venture



05. Business Carbon Management Strategy



06. Project/Business Development



07. Green Financing/Fund Mobilization



08. Partnership/Outsourcing



09. IT Business Management



10. Innovation Management

BUSINESS SOLUTIONS



11. Technology Transfer



12. Business Database



13. Business Strategy/Restructuring



14. Business Marketing



15. Corporate Social Responsibility



16. Carbon Neutral Events



17. Business Mediation



18. FIDIC Contracts/Law



19. Commercial/Construction Arbitration



20. Pre-arbitration/Litigation Dispute Resolution

IT SOLUTIONS



IT consulting



Application Development



Mobile app Development



Business Process Automation



Enterprise Resource Planning



System Applications Products



Software Testing

IT SOLUTIONS



Blockchain



Data Analytics



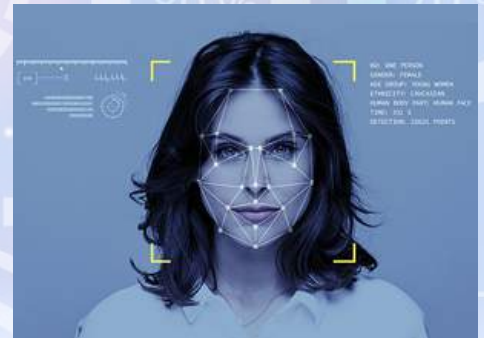
Digital Marketing



Internet of Things



Customer Relationship Management



Identity and Access Management Solutions

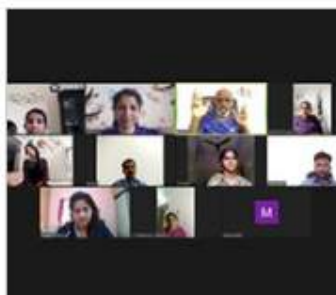


Architecture, 3D Modelling
Product Design

TRAINING/CAPACITY BUILDING



01. Energy/
Environment/
Climate change



02. Online
Training



03. Onsite
Training



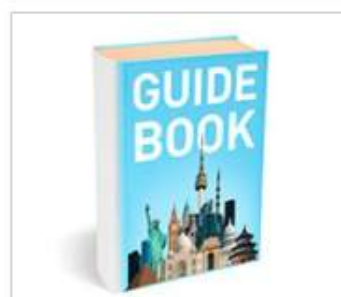
04. Event
Management



05. Seminar



06. Workshop



07. Guidebook



08. Operation
Manual



09. Business
Development
Training

SOCIAL RESPONSIBILITIES



01. Ocean Preservation



02. Lake Preservation



03. River Preservation



04. Forest Preservation



05. Clean Air



06. Biodiversity

SOCIAL RESPONSIBILITIES



07. Clean City



08. Education



09. Social Entrepreneurship



10. Corporate Social Responsibility



11. Community Engagement



12. Women Empowerment

OUR PROJECTS (SELECTED)

THE WORLD BANK, WASHINGTON DC

Capacity building on carbon credits and utilizing climate funds

Country/Location:
Washington DC, United States of America (USA)

EUROPEAN UNION, BELGIUM

Country strategic sustainable energy development and cooperation project

Country/Location:
Iraq, China, Afghanistan, Pakistan, Bangladesh, Sri Lanka and India

ENVIMA

Training on "Reducing Carbon Footprints in Textile Industries"

Country/Location:
Thailand

UNDP / MINISTRY OF ENERGY AND MINERALS

Tanzania Five Year SE4ALL Programme

Country/Location:
Tanzania

UNIDO

Conduct of ten full feasibility studies to implement biomass power plant projects in Nigeria

Country/Location:
Nigeria

MINISTRY OF INDUSTRY AND TRADE (MOIT)

Up to 30 MW hydro power projects

Country/Location:
Vietnam

UNFCCC

Recommendations on additionality check for distributed energy systems

Country/Location:
Germany

ADB/AECOM

Integrated solid waste management

Country/Location:
Philippines, Myanmar and Thailand

UNDP/MRRD

Sustainable energy for rural development program

Country/Location:
Afghanistan

OUR PROJECTS (SELECTED)

PRIVATE SECTOR UNITS / DANISH EMBASSY/DEM/AEP

Implementation of biogas power plant projects

Country/Location:
Thailand

EUROPEAN COMMISSION/AIT

EC-ASEAN COGEN Programme, COGEN 3

Country/Location:
ASEAN & Europe

OLAM

Feasibility study for a 10 MW biomass power plant, steam supply in a wood SEZ

Country/Location:
Gabon

UNIDO / GEF

Restoring Degraded Ecosystem through Clean energy services and improved Agri-Business Value Chain

Country/Location:
Chad

THE WORLD BANK, WASHINGTON DC / HIVOS SOLAR

Promoting biogas cooking in East African countries

Country/Location:
Ethiopia, Kenya, Rwanda, Tanzania and Uganda

EUROPEAN COMMISSION

Evaluation of Offshore wind development project

Country/Location:
India

REVONERGY

Feasibility study for a 30 MW MSW power plant in Kuwait for an UK based company

Country/Location:
UK, Kuwait

UNFCCC

Market penetration as tool to evaluate additionality & common practice in CDM

Country/Location:
Germany

GGGI / ICAT / AEP

Design of country level monitoring, reporting and verification (MRV) framework

Country/Location:
Thailand

OUR PROJECTS (SELECTED)

VIDULLANKA PLC

10 MW Municipal Solid Waste (MSW) power plant

Country/Location:
Sri Lanka

THE WORLD BANK, WASHINGTON DC / MINISTRY OF FINANCE

Energy efficient taxi and electric bus programme

Country/Location:
Egypt

ELGREY POWER

Feasibility Study for 2 x 30 MW multi fuel Biomass Power Plant

Country/Location:
Singapore

UNIDO/GEF

Energy+ Programme: Enhancing access to clean and sustainable energy

Country/Location:
Kenya

FUMASE

King grass based 3 MW biomass power plant

Country/Location:
Honduras

THE WORLD BANK, WASHINGTON DC

World Commission on Dams (WCD) compliance report for hydro power project

Country/Location:
India

UNIDO, VIENNA/GEF

5 MW biomass cogeneration project

Country/Location:
Nigeria

UNIDO, VIENNA/GEF

Promotion of geothermal energy as source for electricity generation

Country/Location:
Tanzania

THE WORLD BANK, WASHINGTON DC

Rural Electrification and Renewable Energy Development II Project

Country/Location:
Bangladesh

OUR PROJECTS (SELECTED)

OLAM INTERNATIONAL

Afforestation
project

Country/Location:
Gabon / Malaysia /
Indonesia / Thailand

TMB

720 kW biomass
gasification power
plant

Country/Location:
Nepal

MGT

Biogas power
generation from
waste water
treatment facility

Country/Location:
Mauritius

THE WORLD BANK, WASHINGTON DC / PSPCL

High voltage
distribution system
for agricultural
consumers

Country/Location:
India

DAN CHANG BIO- ENERGY

41 MW sugar
cogeneration plant

Country/Location:
Thailand

THE WORLD BANK, WASHINGTON DC / RURAL ENERGY AGENCY (REA)

Tanzania Renewable
Energy Program

Country/Location:
Tanzania

UNIDO/GEF

Demonstrating the
viability of small &
medium scale RE
technologies

Country/Location:
Guinea Bissau

UNIDO/GEF

Scaling up of micro
hydro power (MHP)
for rural
electrification

Country/Location:
Rwanda

MINERGY / CEPALCO

8 MW Cabulig River
Mini-Hydroelectric
Power Project

Country/Location:
The Philippines

OUR PROJECTS (SELECTED)

AEP/EGAT

Energy efficiency improvement through retrofitting of turbines

Country/Location:
Thailand

UNIDO/GEF

GHG emission mitigation through investments in biogas mini-grids

Country/Location:
Cambodia

UNIDO/GEF

Carbon footprint reduction in industrial sector through pelletisation technology

Country/Location:
Lao PDR

UNIDO/GEF

Promotion of cogeneration technology in rice mills

Country/Location:
China

UNDP/MRRD

Environmental guidelines for rural renewable energy projects

Country/Location:
Afghanistan

UNIDO/GEF

Promoting solar PV mini grid market for productive uses in rural areas

Country/Location:
Sudan

ROYAL DANISH EMBASSY / BNB / SARAFF ENERGIES LIMITED

9.5 MW palm oil waste fuelled power plant

Country/Location:
Thailand

THE WORLD BANK, WASHINGTON DC/IDCOL

Efficient Lighting project - Phase II


Country/Location:
Bangladesh


UNIDO, VIENNA/GEF

Reducing carbon footprint (CFP) in SMEs through RE technologies

Country/Location:
Thailand

CASE STUDIES

JAN 2021 



**RICE HUSK POWER PLANT
PROJECT DEVELOPMENT IN
THE PHILIPPINES**


CASE STUDY/INSIGHT


OCT 2020 



**SUSTAINABLE DEVELOPMENT
GOALS (SDGS)**


CASE STUDY/INSIGHT


MAR 2021 



**SOLAR PV POWER GENERATION
AND FUTURE OUTLOOK**


CASE STUDY/INSIGHT


MAR 2021 



**WIND POWER GENERATION
AND FUTURE OUTLOOK**

CASE STUDY/INSIGHT

MAR 2021 



**RENEWABLE ENERGY
AND CLIMATE CHANGE:
WHERE WE ARE HEADING TO?**

CASE STUDY/INSIGHT

FEB 2021 



**ELECTRIC CARS AND FUTURE
OUTLOOK**


CASE STUDY/INSIGHT


FEB 2021 



**ELECTRIC TRUCK
MANUFACTURING AND FUTURE
OUTLOOK**


CASE STUDY/INSIGHT


FEB 2021 



**IMPLEMENTATION OF
BIOGAS POWER PLANT
PROJECTS IN THAILAND**

CASE STUDY/INSIGHT

FEB 2021 



**DEVELOPMENT OF SUGAR
COGENERATION PROJECTS IN
SOUTH EAST ASIA**

CASE STUDY/INSIGHT

CASE STUDIES

FEB 2021 



IMPLEMENTATION OF 4 MILLION SOLAR HOME SYSTEMS IN BANGLADESH


CASE STUDY/INSIGHT


FEB 2021 



FIVE YEAR SUSTAINABLE ENERGY FOR ALL (SE4ALL) PROGRAM IN TANZANIA TO ACHIEVE ITS SUSTAINABLE DEVELOPMENT GOALS (SDG7)


CASE STUDY/INSIGHT


JAN 2021 



VIETNAM: DEVELOPMENT OF 13 HYDROPOWER PROJECTS


CASE STUDY/INSIGHT

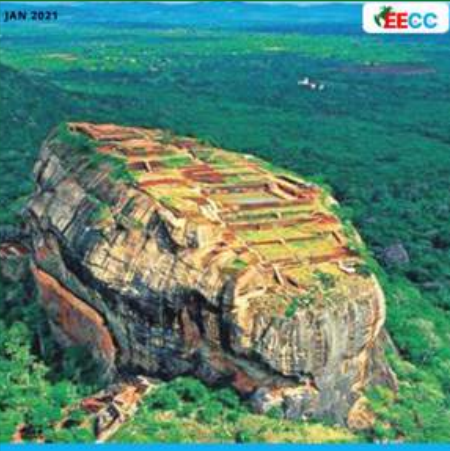
JAN 2021 



TANZANIA: IMPLEMENTATION OF TEN RE POWER PLANT PROJECTS

CASE STUDY/INSIGHT

JAN 2021 



SRI LANKA: IMPLEMENTATION OF 8 MW HYDROPOWER PLANT PROJECT

CASE STUDY/INSIGHT

DEC 2020 



EGYPT: PROMOTING ELECTRIC VEHICLES FOR TRANSPORTATION


CASE STUDY/INSIGHT


DEC 2020 



EASTERN AFRICA: 15,000 HOUSEHOLD BIOGAS CLEAN COOKING SOLUTIONS

CASE STUDY/INSIGHT


NOV 2020 



MOLDOVA: MODERN AND ENERGY EFFICIENT PUBLIC HEATING SYSTEM

CASE STUDY/INSIGHT


NOV 2020 




UGANDA: RURAL ELECTRIFICATION BY 3.5 MW HYDRO POWER PLANT

CASE STUDY/INSIGHT


CASE STUDIES


MAR 2021 



CLIMATE CHANGE: PARIS AGREEMENT IN A NUTSHELL


CASE STUDY/INSIGHT


MAR 2021 



KYOTO PROTOCOL IN A NUTSHELL


CASE STUDY/INSIGHT


JAN 2021 



CARBON NEUTRAL EVENTS: OUTLOOK AND FUTURE PROSPECTS

CASE STUDY/INSIGHT

JAN 2021 



BANGLADESH: ENERGY EFFICIENCY IN MODERN BRICK MANUFACTURING


CASE STUDY/INSIGHT


DEC 2020 



ROLE OF CONFERENCE OF PARTIES (COP) IN INTERNATIONAL CLIMATE AGREEMENTS


CASE STUDY/INSIGHT


DEC 2020 



WATER CONSERVATION: NEED OF THE HOUR


CASE STUDY/INSIGHT


DEC 2020 



RWANDA: DISTRIBUTION OF 700,000 CFLS TO HOUSEHOLD


CASE STUDY/INSIGHT


DEC 2020 



TOWARDS 100% RENEWABLE ELECTRICITY GENERATION

CASE STUDY/INSIGHT

DEC 2020 



WOOD WASTE POWER PLANT PROJECT DEVELOPMENT IN SINGAPORE

CASE STUDY/INSIGHT

CASE STUDIES

NOV 2020 



**RAINWATER HARVESTING:
AN APPROACH TO CONSERVE
WATER**


CASE STUDY/INSIGHT


NOV 2020 



**THE PHILIPPINES: BUS RAPID
TRANSPORT SYSTEM**


CASE STUDY/INSIGHT


NOV 2020 



**PUBLIC TRANSPORT SYSTEM
FOR CARBON FOOTPRINT
REDUCTION**

CASE STUDY/INSIGHT

NOV 2020 



**MUNICIPAL SOLID
WASTE (MSW) POWER
PLANTS IN SINGAPORE**


CASE STUDY/INSIGHT


OCT 2020 



**OZONE LAYER DEPLETION
AND IT'S ENVIRONMENTAL
IMPACTS**


CASE STUDY/INSIGHT


OCT 2020 



**CLIMATE CHANGE MITIGATION
AND ADAPTATION**


CASE STUDY/INSIGHT


OCT 2020 



**BICYCLE SHARING SYSTEM TO
REDUCE CO2 EMISSION**

CASE STUDY/INSIGHT

OCT 2020 



**MODERN ELECTRICITY AND
STEAM GENERATION FROM
BIOMASS IN SOUTHEAST ASIA**

CASE STUDY/INSIGHT


OCT 2020 




**DEVELOPMENT OF
MODERN BIOMASS
COGENERATION
PLANTS IN THAILAND**

CASE STUDY/INSIGHT


CASE STUDIES


SEP 2020 



GREEN BUILDINGS DESIGN TO TACKLE GLOBAL CLIMATE CHANGE


CASE STUDY/INSIGHT

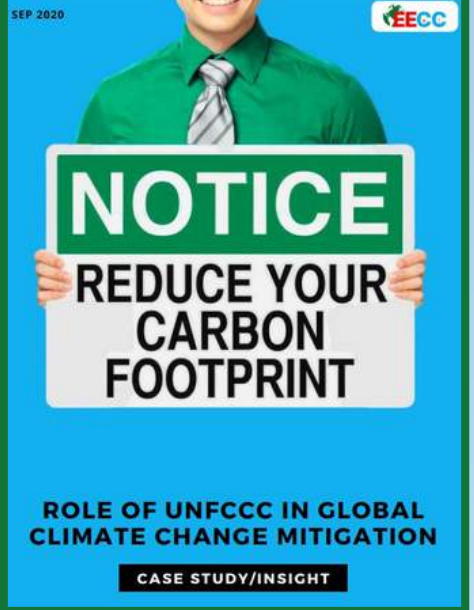
SEP 2020 



GREEN BUILDING: CONVERSION FROM EXISTING BUILDING

CASE STUDY/INSIGHT

SEP 2020 





NOTICE

REDUCE YOUR CARBON FOOTPRINT

ROLE OF UNFCCC IN GLOBAL CLIMATE CHANGE MITIGATION


CASE STUDY/INSIGHT


SEP 2020 



ACID RAIN AND ITS ENVIRONMENTAL IMPACTS

CASE STUDY/INSIGHT

SEP 2020 



BIOMASS AND COAL FEASIBILITY STUDIES IN LAO PDR


CASE STUDY/INSIGHT


AUG 2020 



NEW MARKET MECHANISM TO REDUCE CO2 EMISSIONS


CASE STUDY/INSIGHT

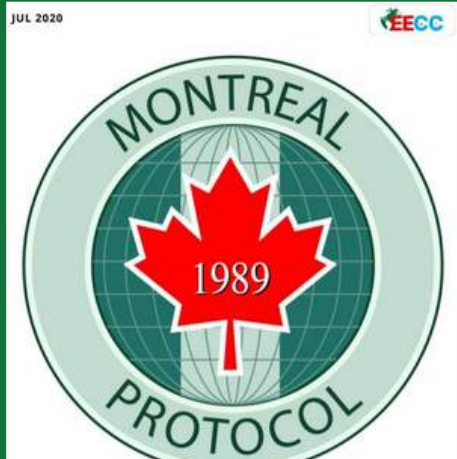
AUG 2020 



BIOMASS PROJECT DEVELOPMENT TRAININGS IN PHILIPPINES

CASE STUDY/INSIGHT

JUL 2020 



MONTREAL PROTOCOL IN A NUTSHELL

CASE STUDY/INSIGHT


JUL 2020 




OVER IMPLEMENTATION OF BIOMASS PROJECTS AND FUEL SECURITY

CASE STUDY/INSIGHT

CASE STUDIES

JUL 2020 



PERFORMANCE EVALUATION OF BOILERS AND TURBO GENERATORS IN THAILAND, MALAYSIA AND INDONESIA


CASE STUDY/INSIGHT

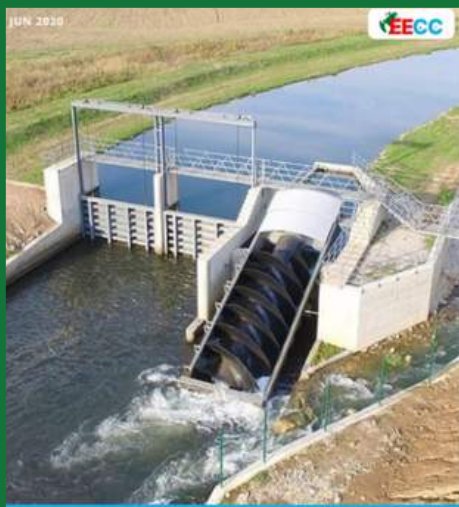
JUL 2020 



COGEN 3 FSDP PERFORMANCE MONITORING PROGRAM


CASE STUDY/INSIGHT


JUN 2020 



SMALL AND MICRO HYDRO


CASE STUDY/INSIGHT


JUN 2020 



NATIONAL/SECTORAL MRV


CASE STUDY/INSIGHT


JUN 2020 



ROLE OF COGEN 3 AND AIT IN PROMOTING COGENERATION IN ASEAN


CASE STUDY/INSIGHT


MAY 2020 



BIOPOWER AFRICA

CASE STUDY/INSIGHT

MAY 2020 



ENERGY EFFICIENCY

CASE STUDY/INSIGHT

MAY 2020 



NATIONALLY DETERMINED CONTRIBUTIONS (NDC)

CASE STUDY/INSIGHT


MAY 2020 




GHG INVENTORY

CASE STUDY/INSIGHT

CASE STUDIES

MAY 2020 



**LIFESTYLE AND BEHAVIOUR
CHANGE FOR CLIMATE
ACTION**


CASE STUDY/INSIGHT


MAY 2020 



**MODERN PALM OIL MILL
WASTE COGENERATION
PLANT DEVELOPMENT IN
MALAYSIA**

CASE STUDY/INSIGHT

APR 2020 



LANDFILL GAS POWER


CASE STUDY/INSIGHT

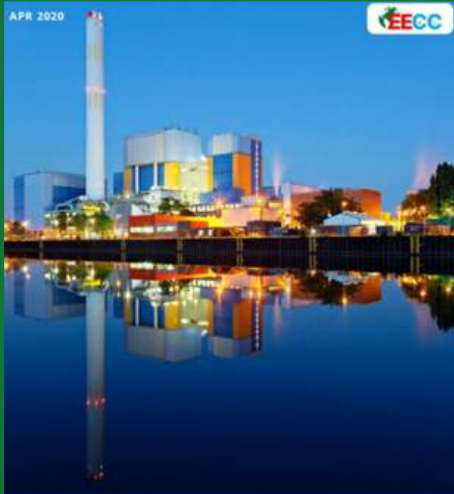
APR 2020 



MSW BIOGAS POWER


CASE STUDY/INSIGHT


APR 2020 



MSW RDF POWER

CASE STUDY/INSIGHT

APR 2020 



BIOGAS POWER AFRICA


CASE STUDY/INSIGHT


MAY 2020 



GASIFICATION POWER


CASE STUDY/INSIGHT


APR 2020 



COGENERATION AFRICA

CASE STUDY/INSIGHT


MAR 2020 




**IPCC AND ITS ROLE
IN GLOBAL CLIMATE
CHANGE MITIGATION**

CASE STUDY/INSIGHT

CASE STUDIES


MAR 2020 




LOW CARBON DIET EVERY DAY

LOW CARBON DIET TO REDUCE GLOBAL CARBON FOOTPRINT

CASE STUDY/INSIGHT

MAR 2020 



MINIMALISM: PATHWAY TO SUSTAINABILITY

CASE STUDY/INSIGHT

MAR 2020 



ENVIRONMENTAL IMPACT ASSESSMENT


CASE STUDY/INSIGHT


MAR 2020 



PROJECT RISK ASSESSMENT


CASE STUDY/INSIGHT


SEP 1993 



FLUIDIZED BED COMBUSTION (FBC) BOILERS FOR AGRO-INDUSTRIAL POWER GENERATION


CASE STUDY/INSIGHT


MAR 1993 



DESIGN, MANUFACTURE AND ERECTION OF INDUSTRIAL SOLAR WATER HEATING PLANTS

CASE STUDY/INSIGHT

MAR 2020 



LOW CARBON ECONOMY: AN IMMEDIATE REQUIREMENT FOR CLIMATE RISKS


CASE STUDY/INSIGHT

JUL 2020 



IT CONSULTING FOR DIGITAL TRANSFORMATION

CASE STUDY/INSIGHT

AUG 2020 



ENJOYING BIODIVERSITY IN FOREST

CASE STUDY/INSIGHT

CASE STUDIES


DEC 2020



CLEAN AIR: HOW WE CAN WORK TOGETHER TO ACHIEVE IT

CASE STUDY/INSIGHT

JEC 2020



RIVER PRESERVATION: THE NEED OF THE HOUR

CASE STUDY/INSIGHT


EC 2020



BIODIVERSITY: LET'S LIVE IN HARMONY

CASE STUDY/INSIGHT


AN 2021



FOREST PRESERVATION: WHAT WE CAN DO?

CASE STUDY/INSIGHT

JEC 2021



PRESERVATION OF LAKES: OUR IMMEDIATE RESPONSIBILITY

CASE STUDY/INSIGHT


AR 2021



WOMEN EMPOWERMENT: WHAT CAN BE DONE?

CASE STUDY/INSIGHT

JEC 2021



MULTI-STORY CAR PARKING: A SOLUTION FOR DECONGESTING THE CITY STREETS

CASE STUDY/INSIGHT

MAR 2021



OCEAN PRESERVATION: WHAT CAN WE DO TO PRESERVE IT?

CASE STUDY/INSIGHT

FEB 2021



TEACHING: THE NOBLEST JOB IN SHAPING THE SOCIETY

CASE STUDY/INSIGHT