

TREE Green Solutions

Technology and Research in Environmental Engineering



www.treegreensolutions.com

ABOUT US

TREE Green Solutions is founded by the like-minded Doctoral Graduates and alumni of IIT Guwahati, IIT Bombay, Monash University and IITB-Monash Research Academy with core specialization in Civil and Environmental Engineering.



OUR HISTORY FROM THE BEGINNING

TREE Green Solutions has the vision to develop and disseminate indigenous technologies in the environmental and waste management sector enabling self-reliant and self-sustainable environment in the nation.

2020



Beginning

TREE started off its journey in the middle of Covid in July 2020.

Karnataka & Mumbai

2021



Technology Development

TREE started commercializing its first product **Synthetic Soil** from industrial waste.
Developed Carbon quantification program in Trees using **photogrammetry** and **Tree counting application** using Lidar technology.

Karnataka & Mumbai

2022



Engineering & Sustainability Services

Joined hands with esteemed companies like **NCC Ltd, Hindalco Ltd, UHS KA, Indian Railways** in Sustainability and Engineering sectors to reduce water and carbon footprints of an organization.

3 Indian States + UT

TREE GREEN SOLUTIONS PVT. LTD.

Connect with Innovation & Grow with TREE

Engineering a Greener Tomorrow

2023



Engineering & Sustainability Services

Served esteemed clients and projects from USA, Singapore and Hungary for Pharmachem, Ship recycling industry, Automotive industry.

5 Indian States + UT +
Singapore + USA + Hungary

2024



Engineering & Sustainability Services

Completed more than 12+ projects from April 2024 till date

7 Indian States + UT +
Singapore + USA + Hungary



Projects

40+

National &
International
Clients

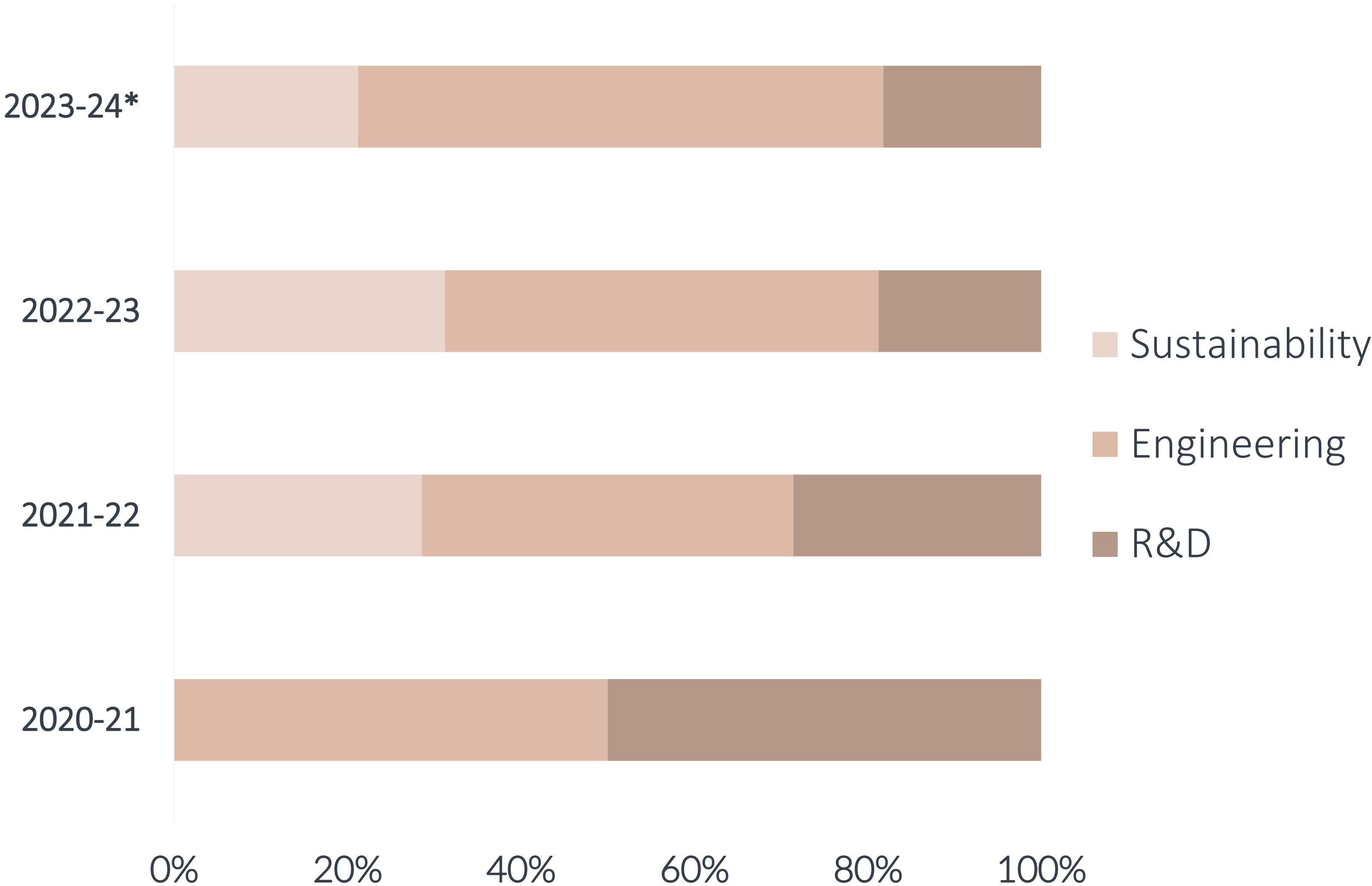
20+

We Serve in

6+States
&
3+Countries

CLIENTS

Growth is **3.5 X** compared to
FY 2022 – 23



T R E E Green Solutions



OUR REACH

Within India

- IN-KA
- IN-MH
- IN-GJ
- IN-AP
- IN-TN
- IN-DD

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Sustainability

Carbon Footprint Assessment and
Reduction

Corporate Social Responsibility
(CSR) Consulting

ESG (Environmental, Social and
Governance) Reporting

Environmental Audit

Engineering

Design Services

Risk Assessments and
Modeling

Treatment Plants

Morphological Studies

Treatability and
Feasibility Studies

W h a t w e o f f e r ?

SERVICE PREVIEW



Sustainability Services



Engineering Services

We offer services in technology
feasibility studies, industry
specific R&D services, product
and technology development.

FEW OF OUR ESTEEMED PROJECTS LIST

Sustainability

 Carbon Footprint for
Jyoti Steels Limited

 Sustainability Project
for **ShivaPharma and
NCC Ltd**

 Water Footprint
Auditing for **South
Western Railway**

Engineering

 Morphological Studies
for **Brand Marine
Corporation, Singapore**

 Masterplan for
Rainwater Harvesting for
**Hindalco Ltd (Silvassa
Plant)**

 Sewage Treatment
Plant (60 KLD) for
**Fleetguard Filters Pvt.
Ltd**

Research & Development

 Artificial Soil using CO₂
sequestered waste (Funded by
USISTEF Ignition Grant) in
collab. With IIT Kanpur and
University of Wisconsin-
Madison (**50 Lakh**)

 Carbon Assessment in Trees
Using Photogrammetry (Self-
funded project)

 Live Tree Counting Program
(Self-funded project)

**We Understand The
Need For A Sustainable
Environmental Solution
For Your Business.**



Why Chose Us?

Global Network

Core Technical Competency in Domain

Experienced and Recognized Team of Experts

Reliable and Timely Delivery

OPPORTUNITY

Collaboration As A

Sustainability Partner

R&D Partner for Technology Development

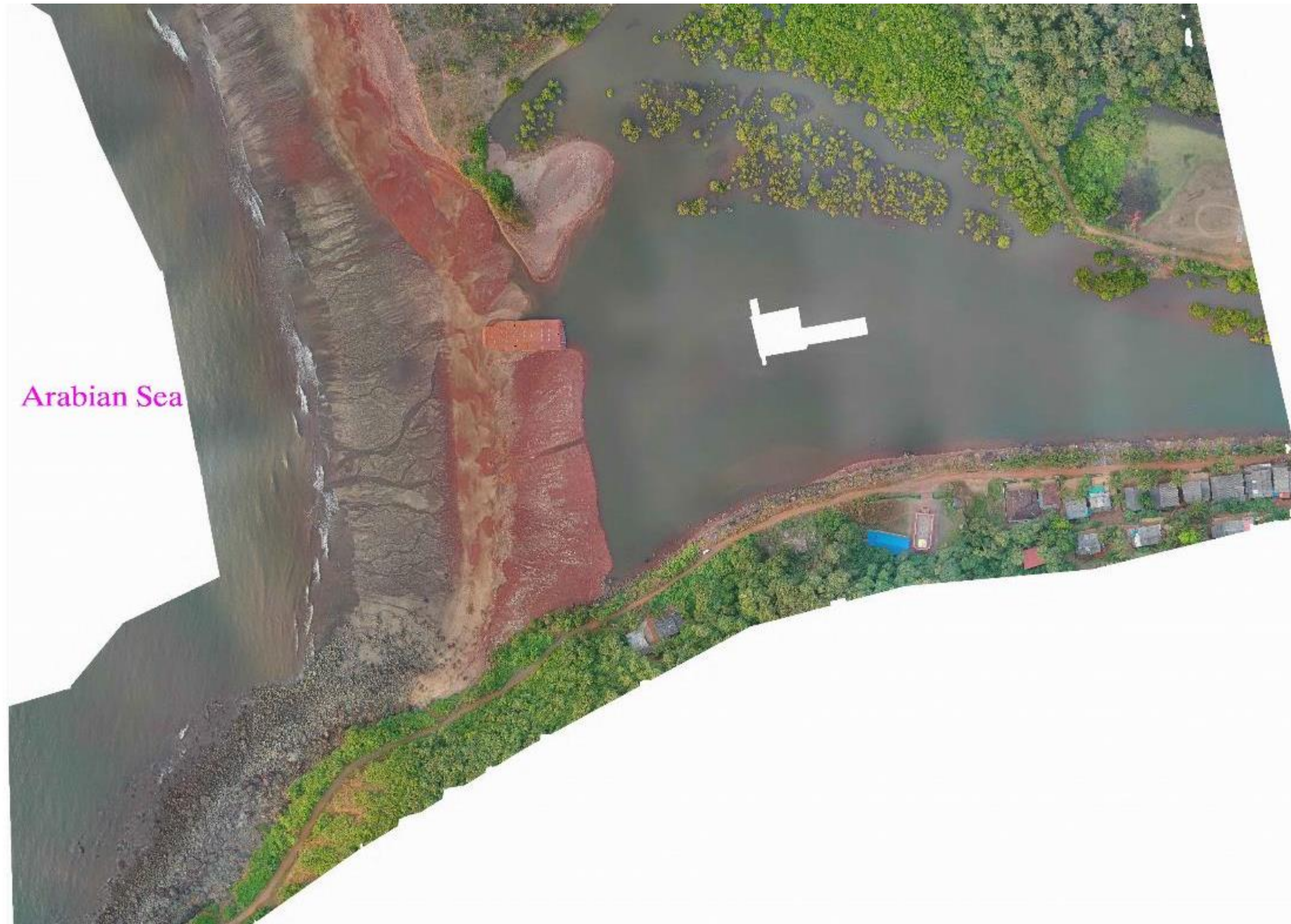
Outsourcing Partner / Third Party Service Provider

Training & Certification Consultant



ENGINEERING SERVICES

Morphological Studies



P O R T F O L I O - 1

Environmental Risk Assessments
of Natural and Anthropogenic
Disasters/Accidents

Baseline Studies



P O R T F O L I O - 2

Efficiency of Environmental
Restoration Works of
Rivers/Oceans/Land post
Disaster/Accidents

Park Development for Rain-Water Rejuvenation

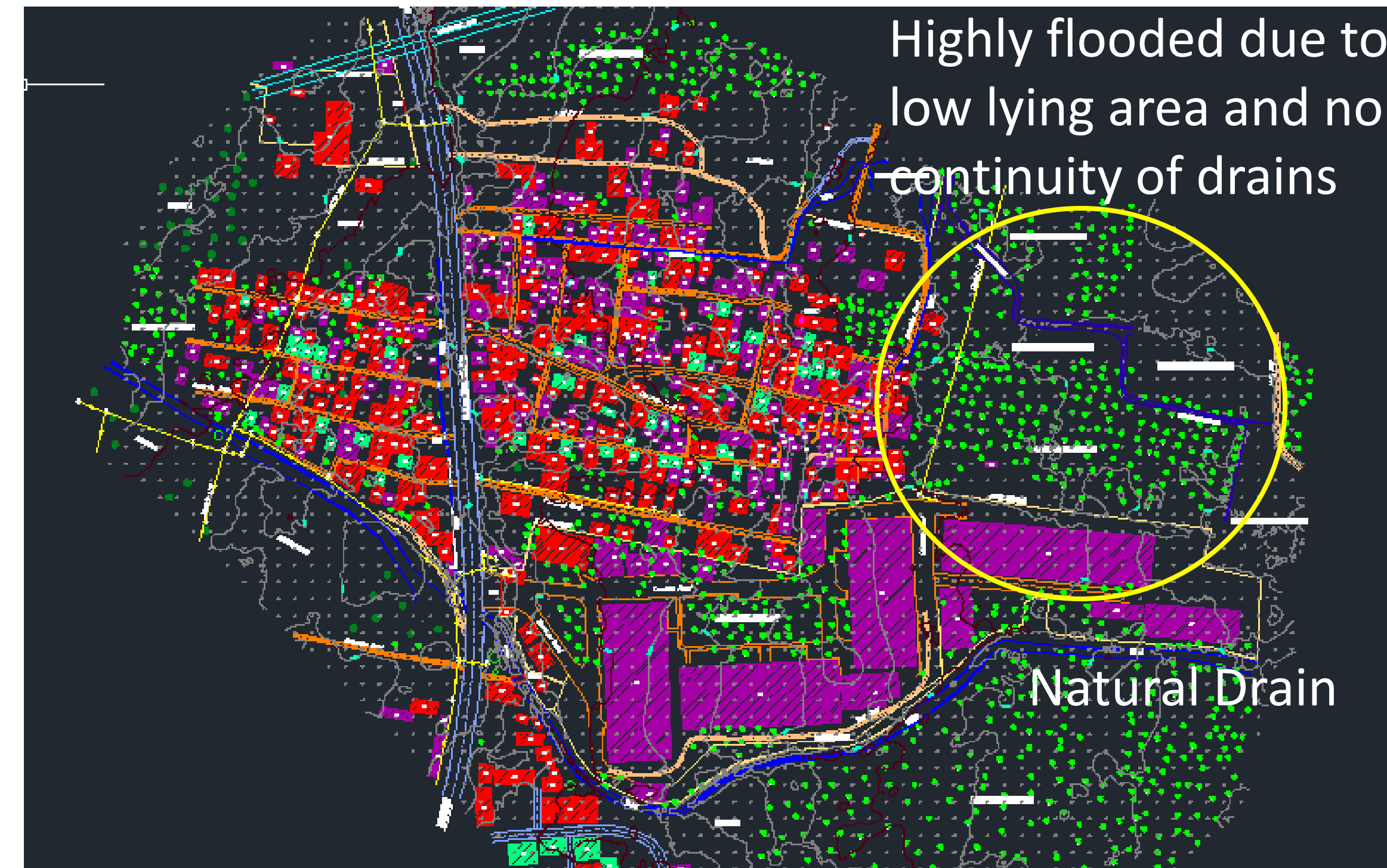


PORTFOLIO - 3

Recreational Parks Are Designed In Such A Way That Whole of This Park's Area Recharges Rainwater



Urban & Community Re-Design



PORTFOLIO - 4

Drainage System Re-design for Efficient Water And Wastewater Management for Communities

Lake and Waste Land Development and Management



PORTFOLIO - 5

Lake And Waste Land Restoration
Consultation Services Along With
Architectural Designs



Wastewater Treatment Plants



P O R T F O L I O - 6

We Design and Deliver Sewage Treatment Plants (STPs) and Effluent Treatment Plants (ETPs) for Industries



Underwater Surveying

P O R T F O L I O - 7

Using Technology at It's Best to
Solve Complex Environmental
and Pollution Issues

Lidar Surveying



Drone Surveying

Few of Our Esteemed Clients in Engineering



S U S T A I N A B I L I T Y S E R V I C E S



GHG Emissions and Carbon Footprint



Carbon Footprint Assessment and Reduction

Corporate Social Responsibility (CSR) Consulting

ESG (Environmental, Social and Governance) Reporting

Environmental Audit

PORTFOLIO - 8

List of Sustainability Service

P O R T F O L I O - 9

Product Carbon Footprint Assessment as per ISO 14067

Transport GHG Emissions as per ISO 14083

GHG Emission Estimation as per IS 14064 for Organizations and Projects

Corporate Social Responsibility (CSR) Consulting

ESG (Environmental, Social and Governance) Reporting

Sustainability Reporting As per BSBR, GRI, TCFD Guidelines

Water Audit as per Alliance for Water Stewardship, ISO 46001:2019, ISO 14046

Waste Inventory Studies and Waste Audit

Life Cycle Assessment (LCA)



**Few of Our Esteemed
Clients in Sustainability**



RESEARCH & DEVELOPMENT SERVICES



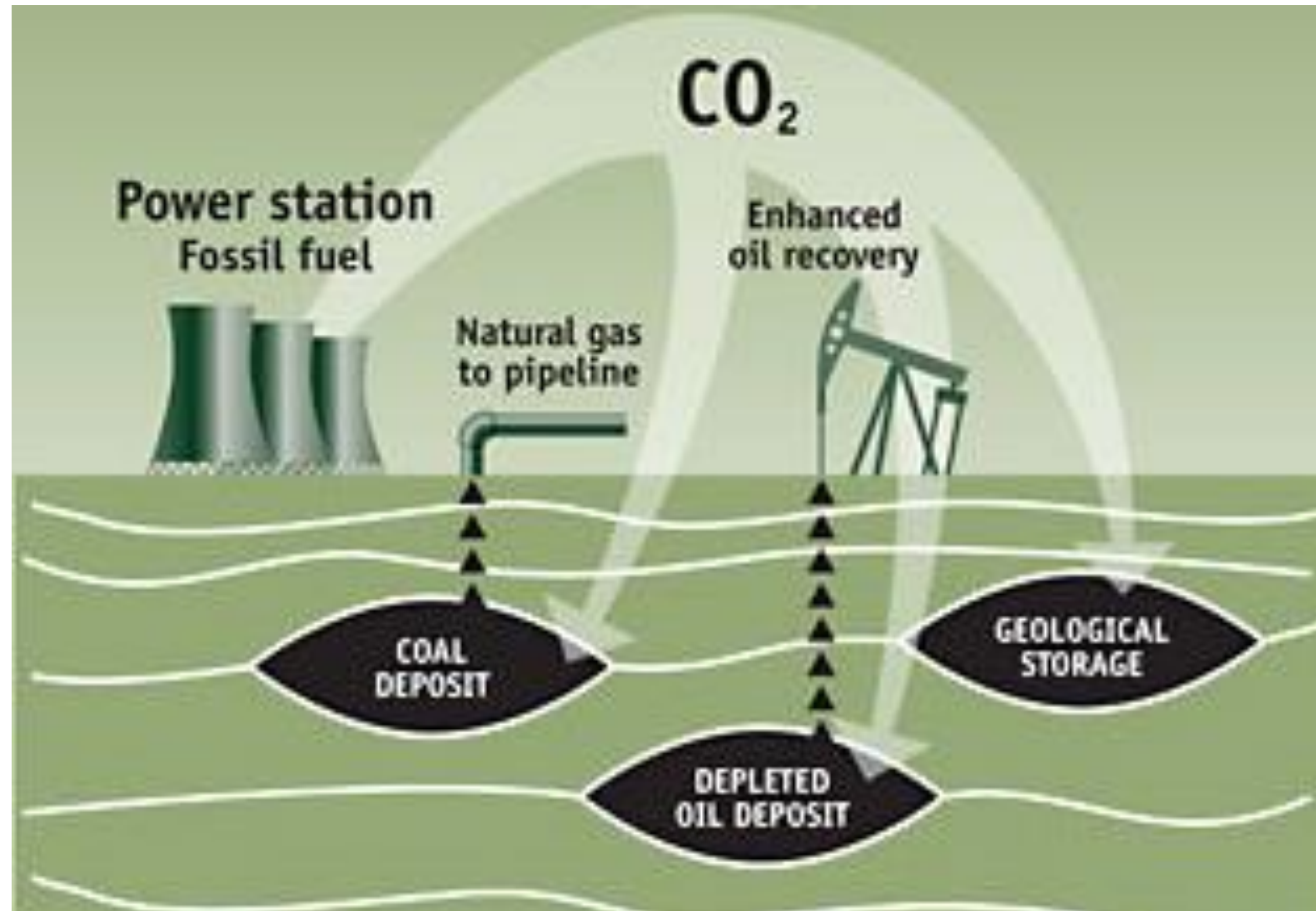
Associations

Proud Member of

Australia – India Critical Minerals Research Hub
(AICMRH) (An Australia – India Consortium)

PORTFOLIO - R & D

Critical Minerals International
Alliance For Value Added Products
And Technology Development



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Our R&D Products and Technologies

In collaboration with

IIT Kanpur, INDIA

The University of Wisconsin–Madison, USA

TREE Green Solutions Pvt Ltd, INDIA

USISTEF Ignition Grant Worth 50 L

P O R T F O L I O - R & D

CO₂ Sequestration by
Industrial Wastes and its
Conversion to artificial soil



Our R&D Products and Technologies

PORTFOLIO - R & D

Deep Learning-Based Tree
Detection from UAV Imagery:
Improving Resource Management
and Environmental Monitoring



Our R&D Products and Technologies

PORTFOLIO - R & D

Carbon Sequestration Estimation
Using Photogrammetry: A Techno-
Economical Approach for Carbon
Offsetting

CONTACT US



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Mon - Sat
9 AM - 6 PM

REACH US



THANKS
