

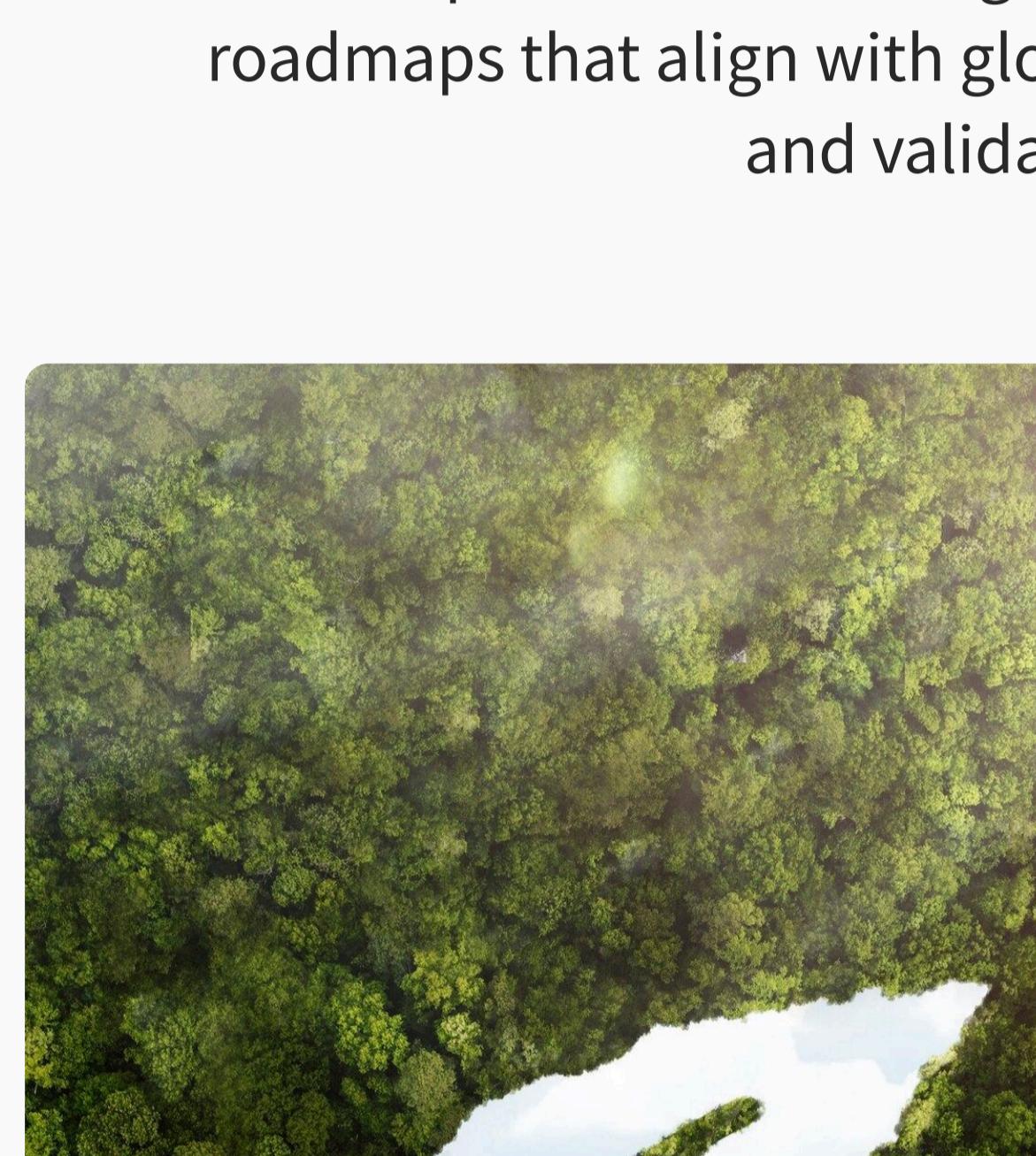


CRAFTING TRANSFORMATIVE PATHWAYS TO A NET-ZERO FUTURE

with strategic and impactful Decarbonization solutions

[SERVICES](#)

India's Net Zero 2047 Challenges



For Government

As a developing economy, India's carbon emissions are set to peak in the next 2 decades! Government faces the challenge of finding sustainable and progressive solutions while achieving the target of **Vikasit Bharat 2047**.

Panchamrit, or India's five-point pledge

Zero Emission by 2070



Enhance non fossil fuel energy to 500 GW by 2030



Increase renewable energy proportion to 50% by 2030



Reduce emission intensity of the economy by 45%



Reduce CO2 emissions by 1 billion tonne

For Corporates

Industry accounts for around 28% of total greenhouse gas (GHG) emissions.

Being economically viable, growing output and improving on innovative technologies while being sustainable is a challenge.

Energy Trilemma



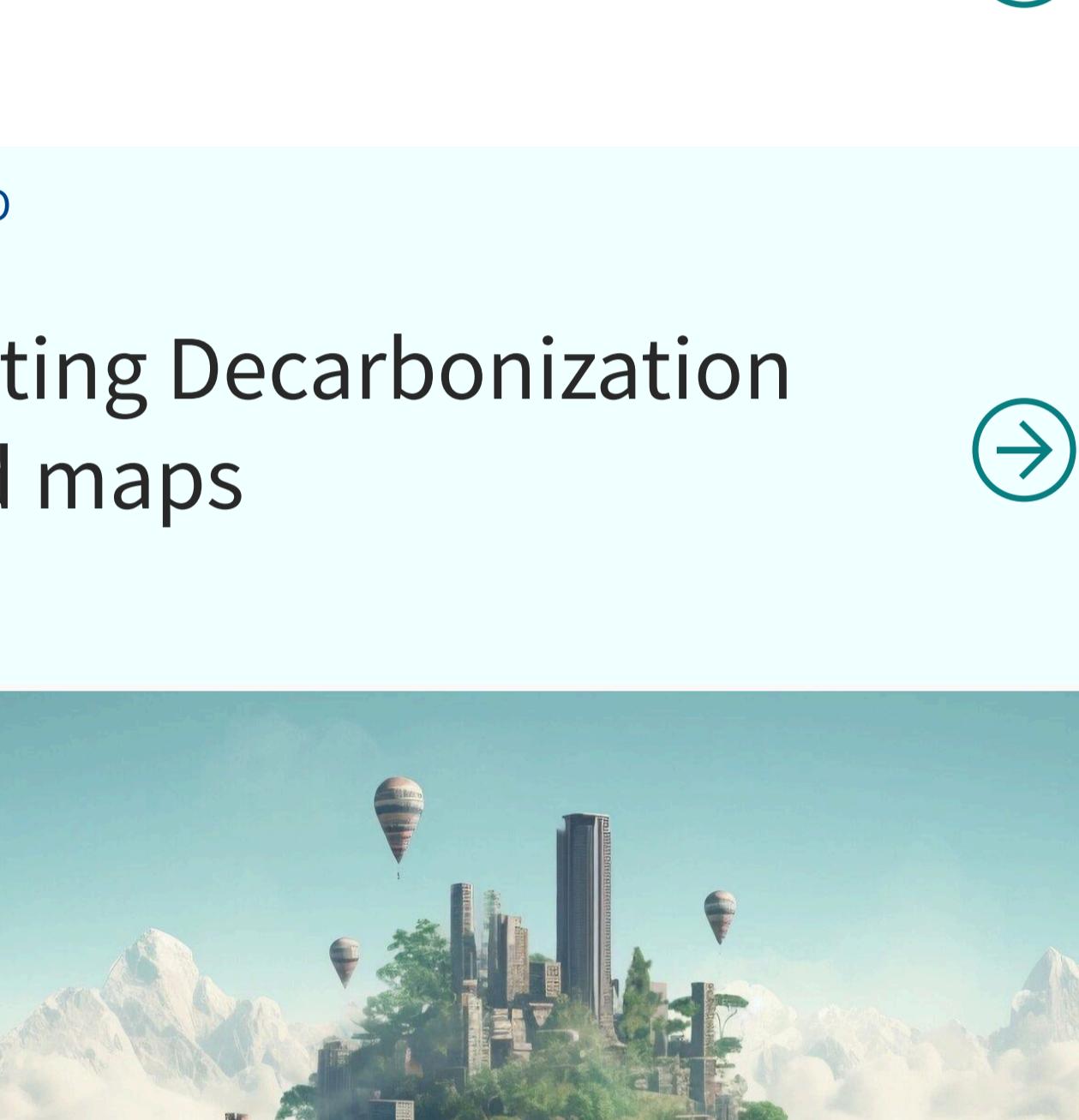
Energy Security



Energy Equity

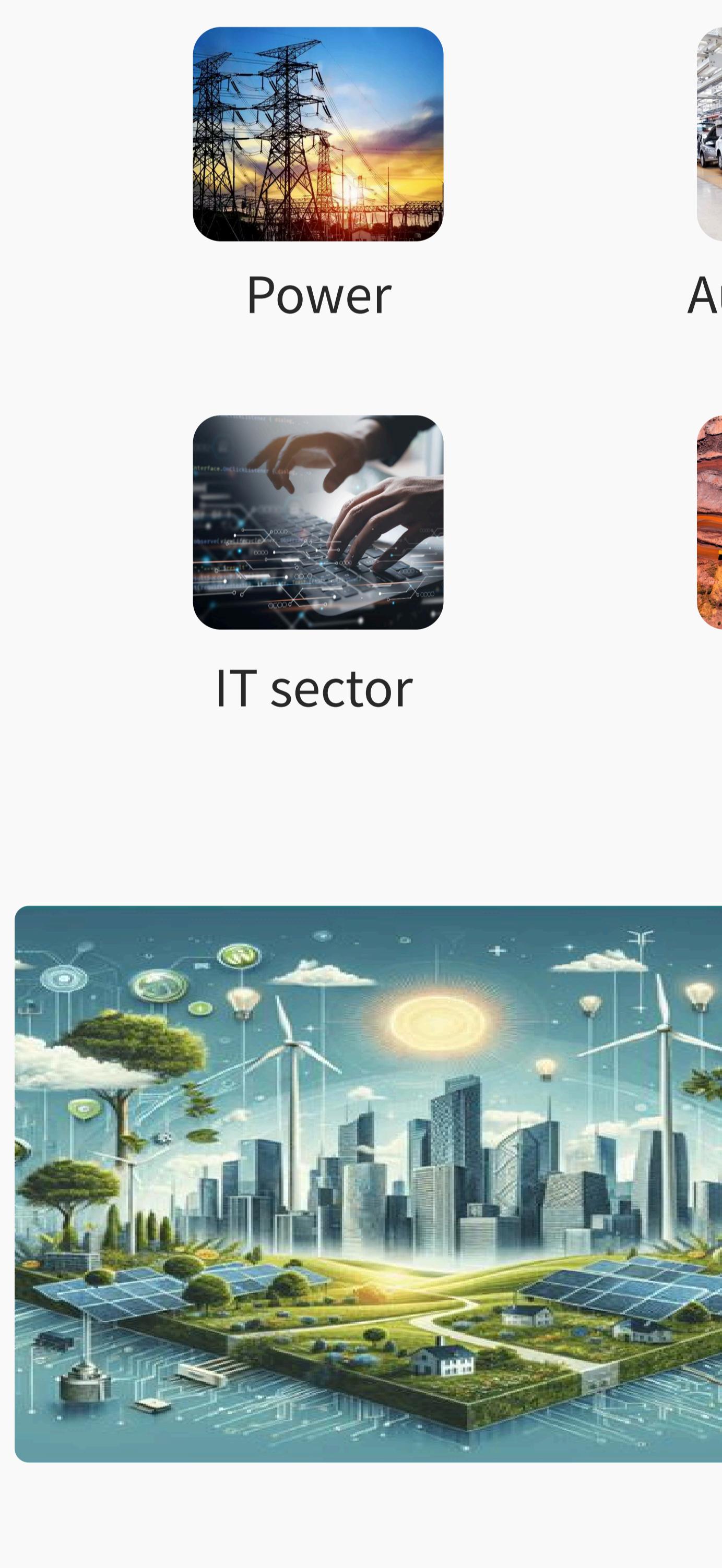


Sustainability



OUR SERVICES

We specialize in crafting evidence-backed, financially sustainable net-zero roadmaps that align with global and national commitments, delivering impactful and validated solutions for decarbonization.



NET ZERO

Carbon Footprint assessment



NET ZERO

Life Cycle assessment



NET ZERO

Charting Decarbonization Road maps



CAPABILITY BUILDING

Future ready Sustainability Practices



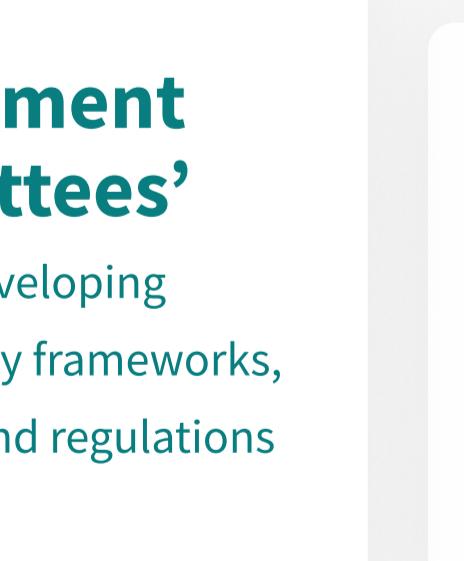
CAPABILITY BUILDING

Tailored Training Programs

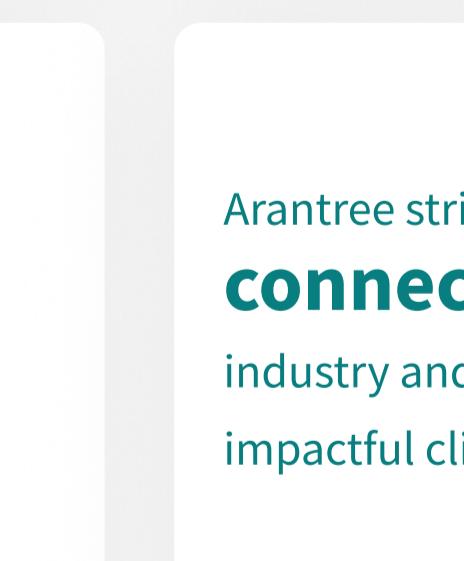


KNOW OUR SERVICES

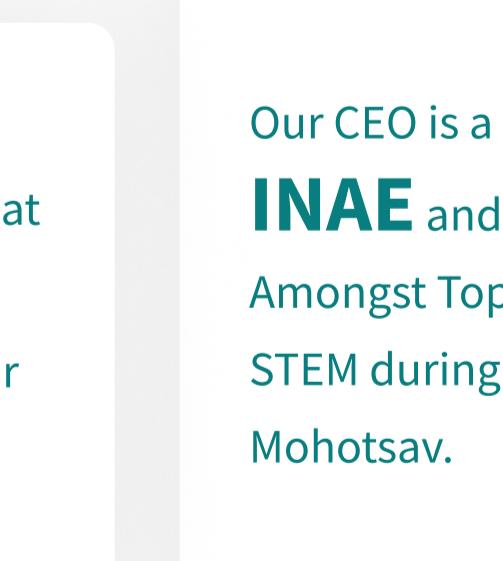
SECTORS WE WORK WITH



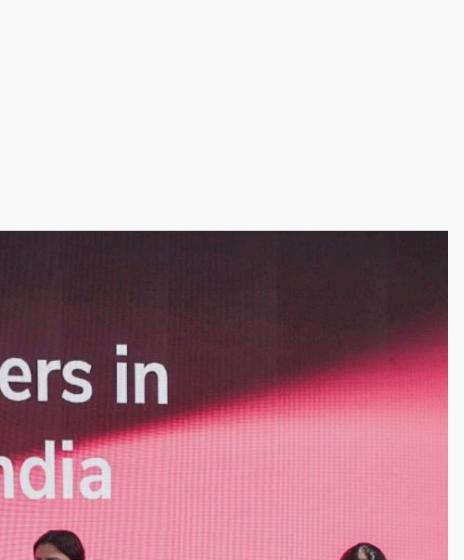
Power



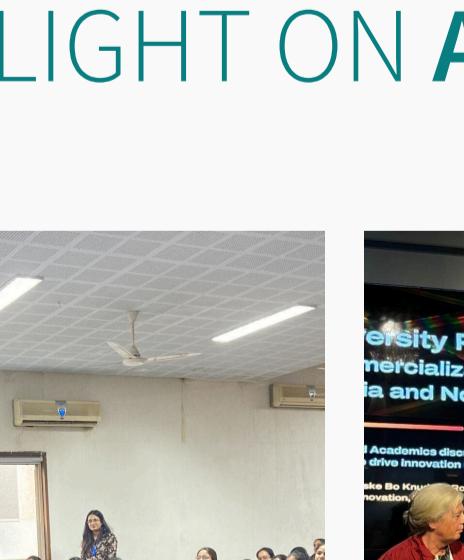
Automotive



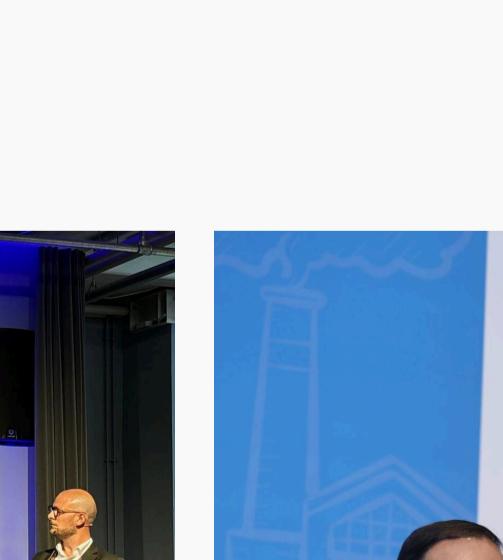
Industrial



IT sector



Mining



Biofuels

THE ARANTREE DIFFERENCE

Rich experience in developing **novel technologies**, creating new inventions and implementation of innovative solutions in both industry and academia

Deep understanding of indigenously developed technology and their **effective mapping** to fill critical sustainability gaps for our clients

Founders experienced in working with high powered

government committees' setup for developing sustainability frameworks, standards and regulations

Arantree is incubated and funded by **IIT Madras incubation cell**.

Arantree strives to be the catalyst that **connects academia, industry and government entities** for impactful climate action.

Our CEO is a **Fellow of INAE** and featured Amongst Top 75 Women in STEM during Azadi Ka Amrit Mohotsav.

Decode India's Net Zero Ambitions and achieve Industrial Decarbonization Goals with Arantree

[CALL US](#)

To inquire for a new project email us at customersupport@arantree.com

How can we help?

Name

Email

Mobile

[SUBMIT](#)

© Copyright 2024, Arantree Consulting Services Private Ltd.

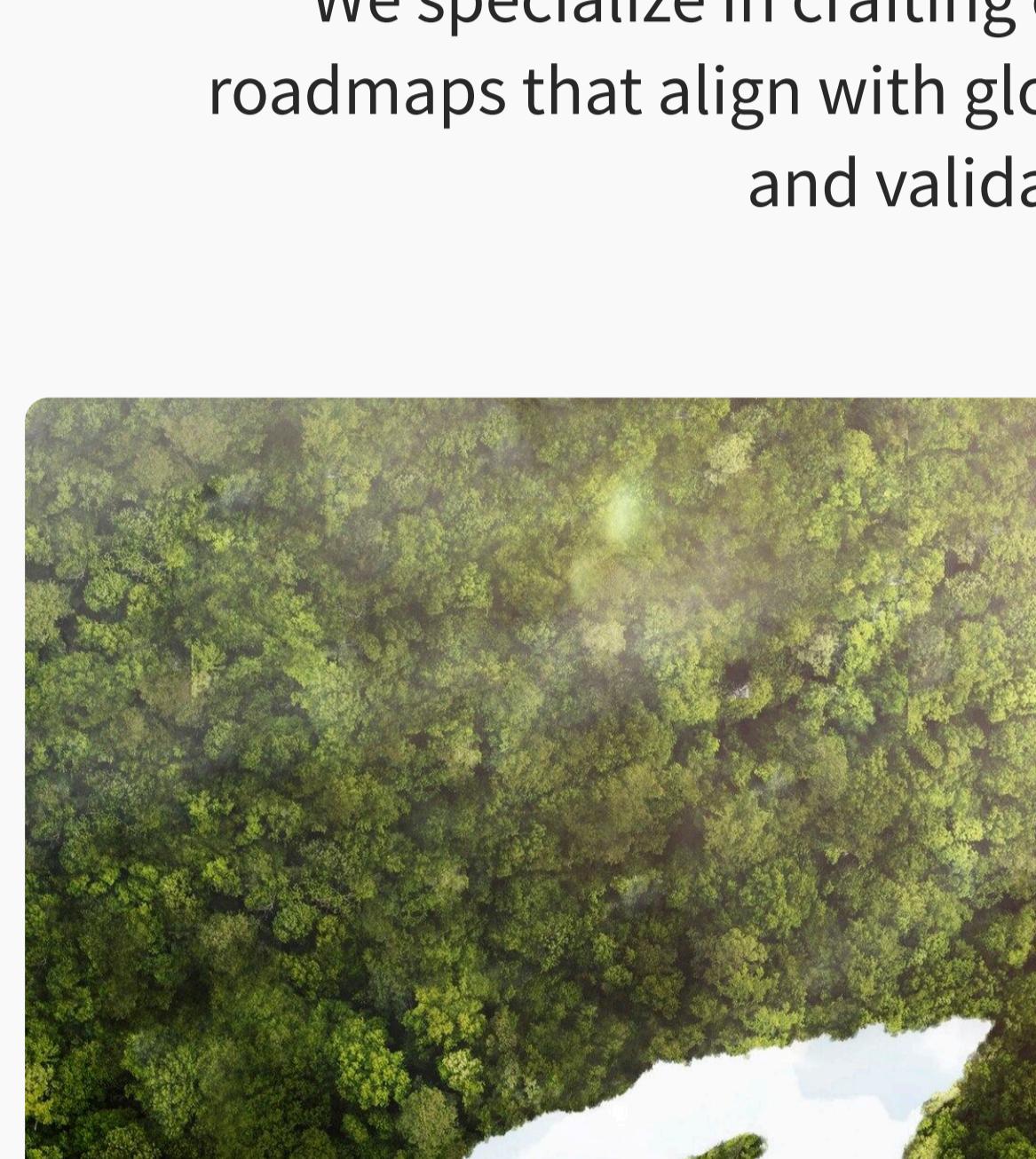


CRAFTING TRANSFORMATIVE PATHWAYS TO A NET-ZERO FUTURE

with strategic and impactful Decarbonization solutions

SERVICES

India's Net Zero 2047 Challenges



For Government

As a developing economy, India's carbon emissions are set to peak in the next 2 decades! Government faces the challenge of finding sustainable and progressive solutions while achieving the target of Vikasit Bharat 2047.

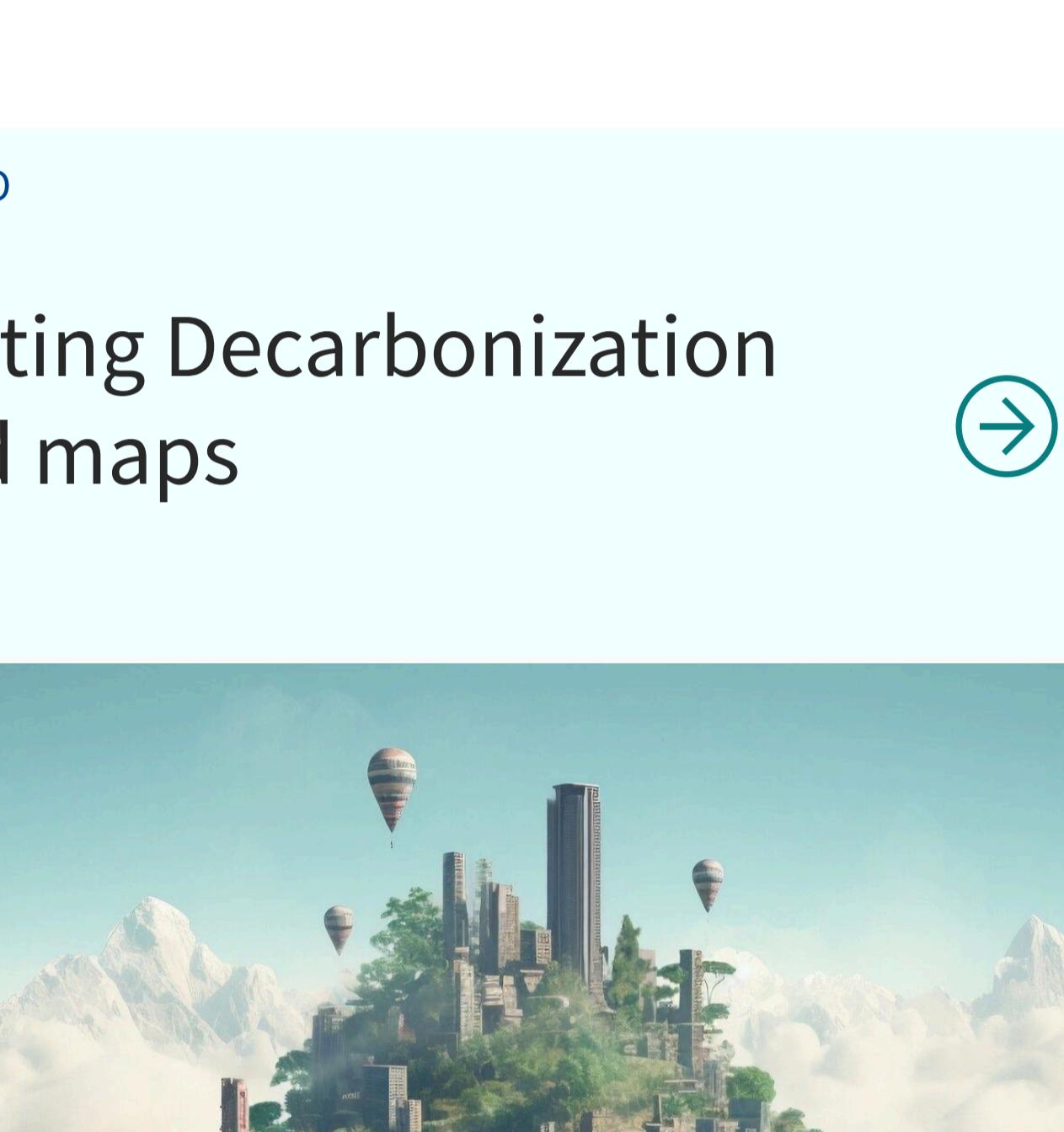
Zero Emission by 2070



For Corporates

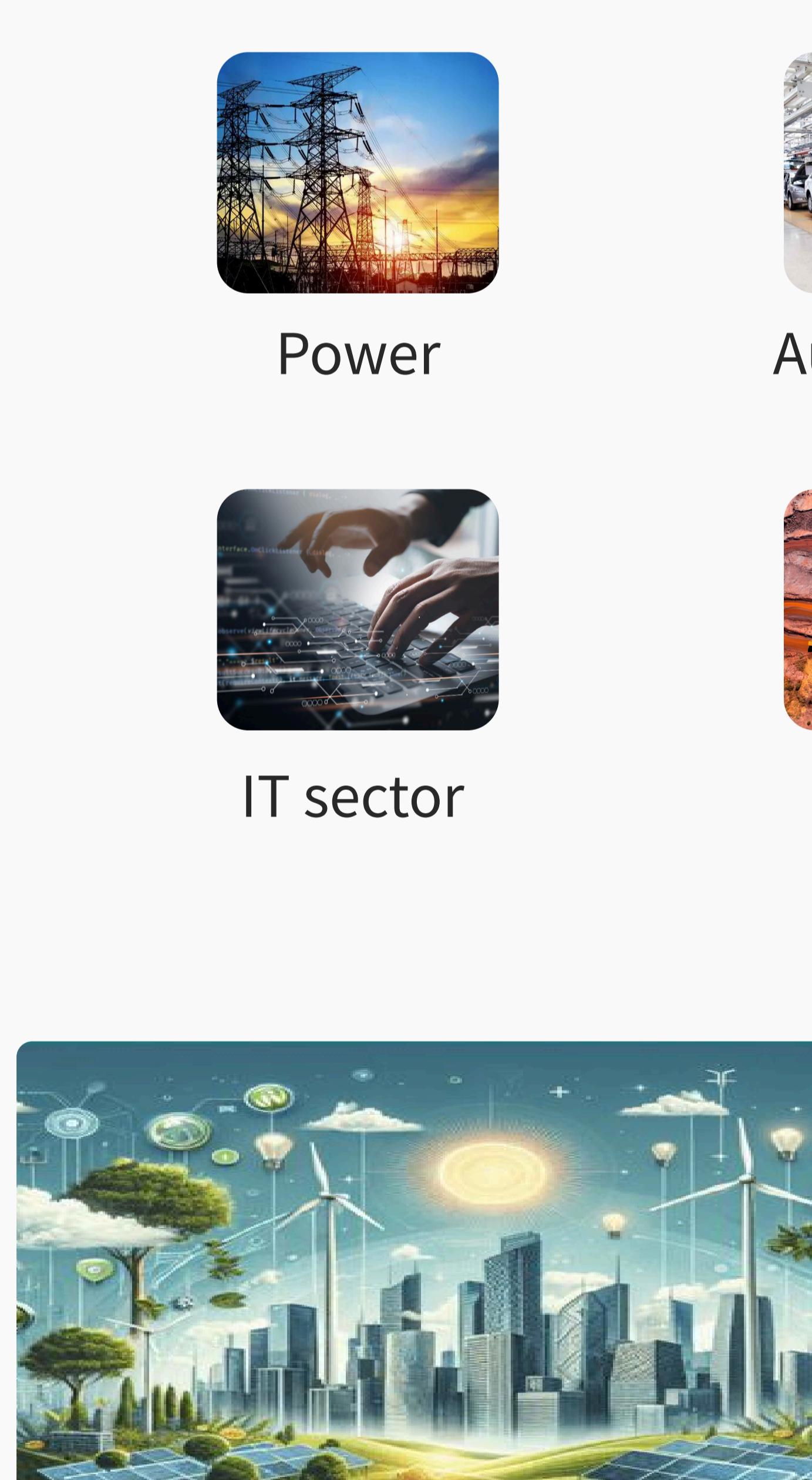
Industry accounts for around 28% of total greenhouse gas (GHG) emissions.

Being economically viable, growing output and improving on innovative technologies while being sustainable is a challenge.



OUR SERVICES

We specialize in crafting evidence-backed, financially sustainable net-zero roadmaps that align with global and national commitments, delivering impactful and validated solutions for decarbonization.



NET ZERO

Carbon Footprint assessment



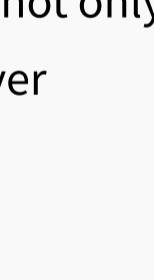
NET ZERO

Life Cycle assessment



NET ZERO

Charting Decarbonization Road maps



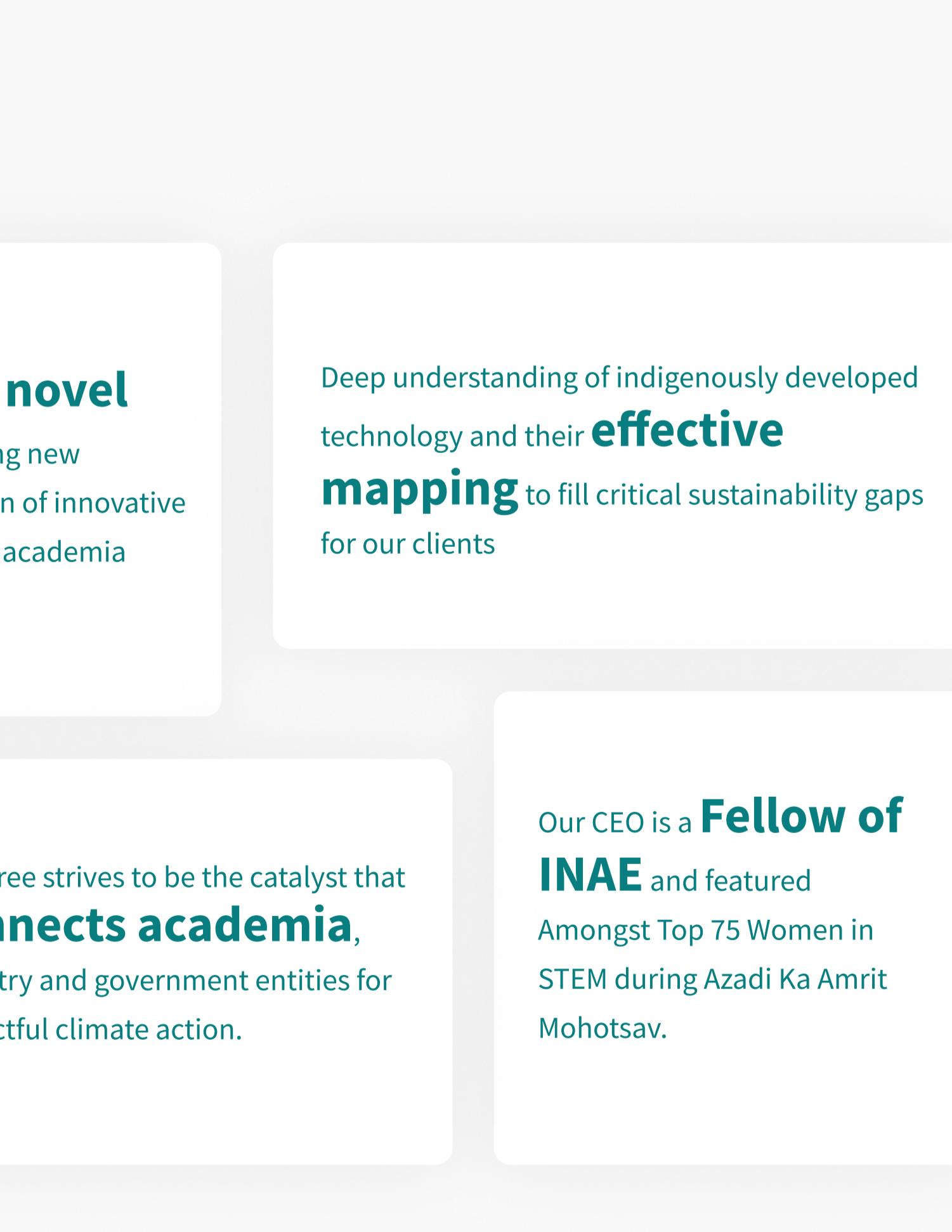
CAPABILITY BUILDING

Future ready Sustainability Practices



CAPABILITY BUILDING

Tailored Training Programs



KNOW OUR SERVICES

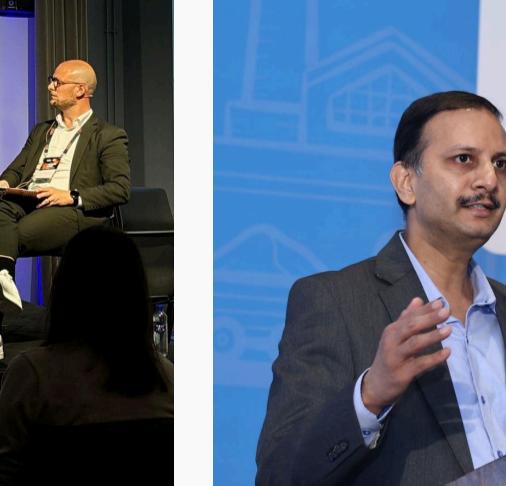
SECTORS WE WORK WITH



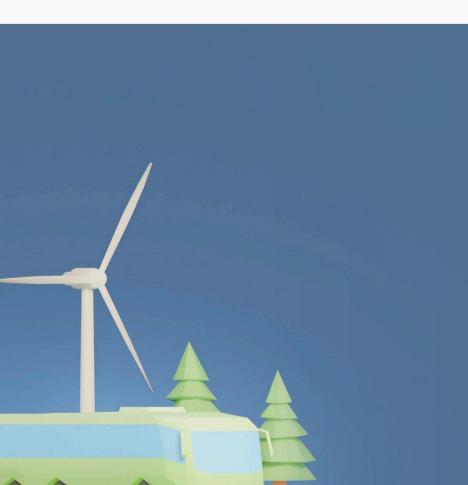
Power



Automotive



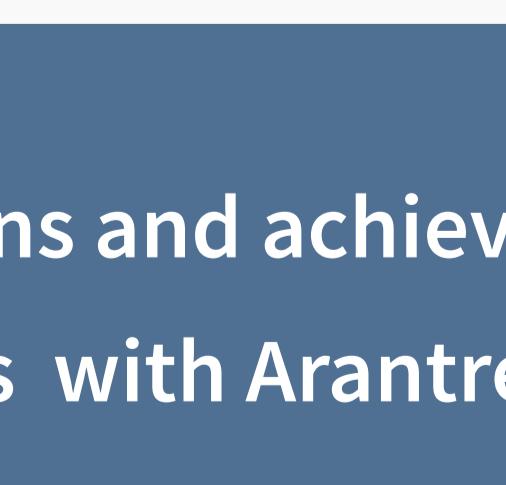
Industrial



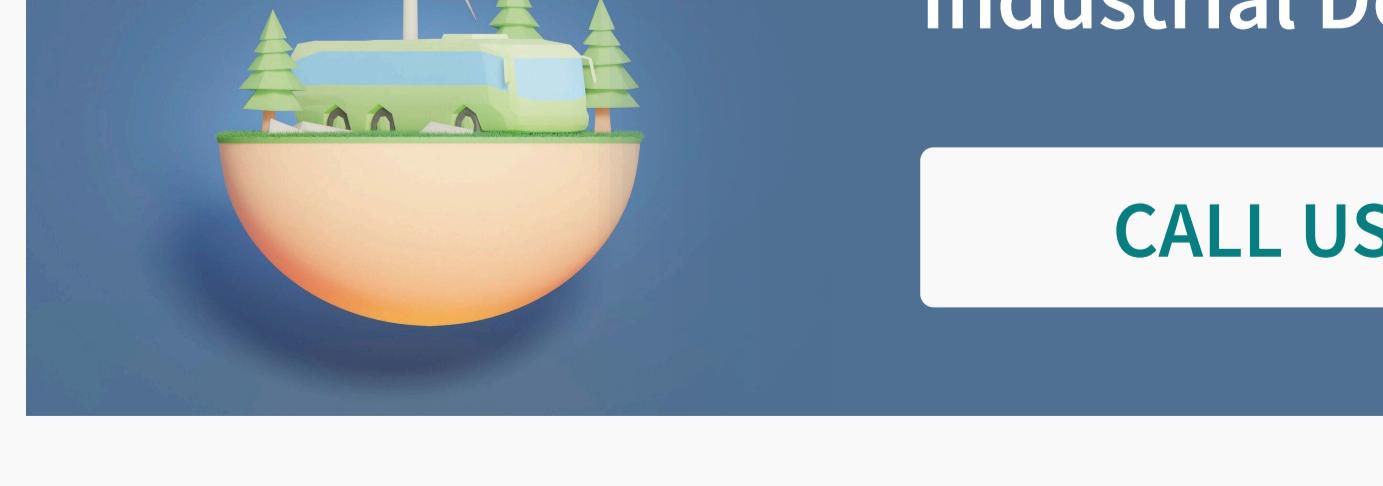
IT sector



Mining



Biofuels



ABOUT ARANTREE

Arantree Consulting Services Pvt Ltd, is a specialized advisory firm dedicated to developing evidence-backed, financially sustainable net-zero roadmaps for industries and governments. At Arantree, we go beyond mere consulting—we empower our clients with validated solutions that not only align with global and national decarbonization goals but also deliver tangible, measurable impact.



THE ARANTREE DIFFERENCE

Founders experienced in working with high powered

government committees'

setup for developing sustainability frameworks, standards and regulations

Rich experience in developing **novel technologies**, creating new inventions and implementation of innovative solutions in both industry and academia

Deep understanding of indigenously developed technology and their **effective mapping** to fill critical sustainability gaps for our clients

Arantree is incubated and funded by

IIT Madras incubation cell.

Arantree strives to be the catalyst that **connects academia, industry and government entities** for impactful climate action.

Our CEO is a **Fellow of INAE** and featured

Amongst Top 75 Women in STEM during Azadi Ka Amrit Mohotsav.

CALL US

CONTACT US

GET IN TOUCH

To inquire for a new project email us at

customersupport@arantree.com

Mailing Address

Arantree Consulting Services Private Ltd

IITM Research Park, 1FA 1st Floor, Kanagam Road,

Taramani, Chennai 600 113

How can we help?

Name

Email

Mobile

SUBMIT

CONTACT US

GET IN TOUCH

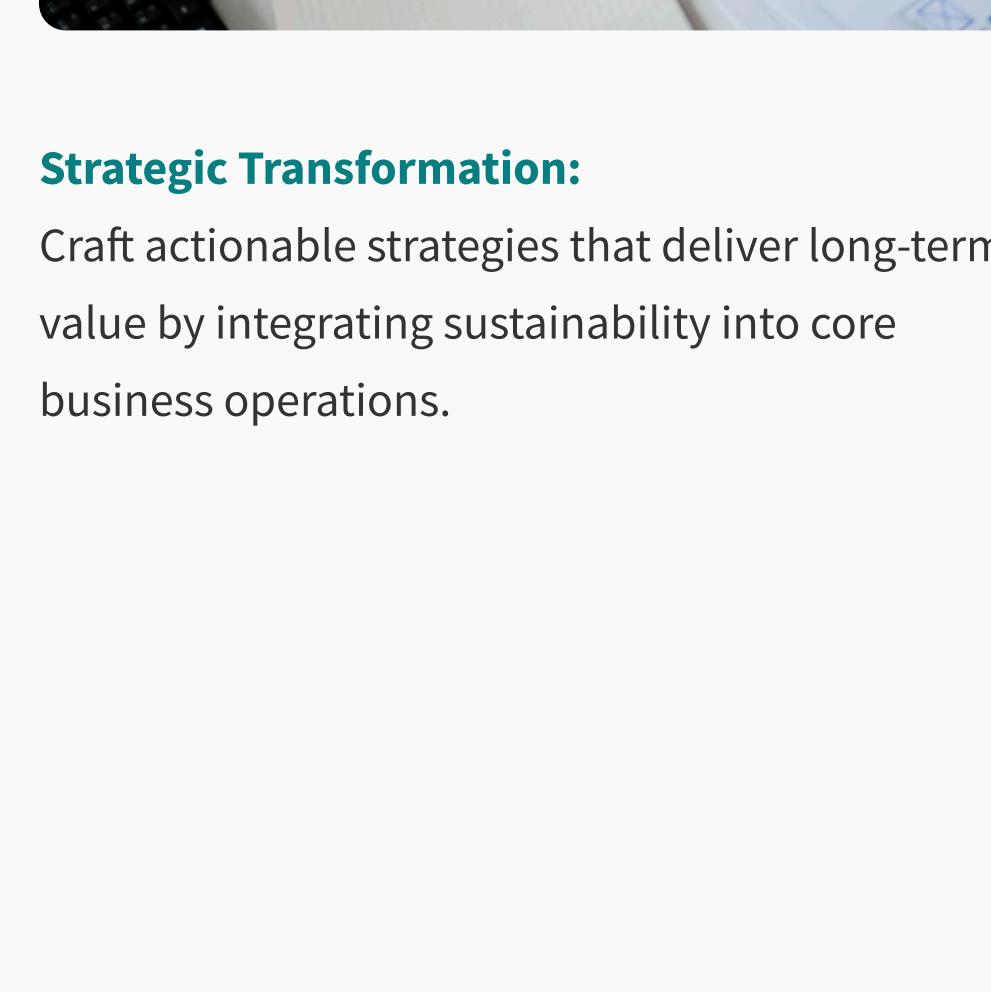
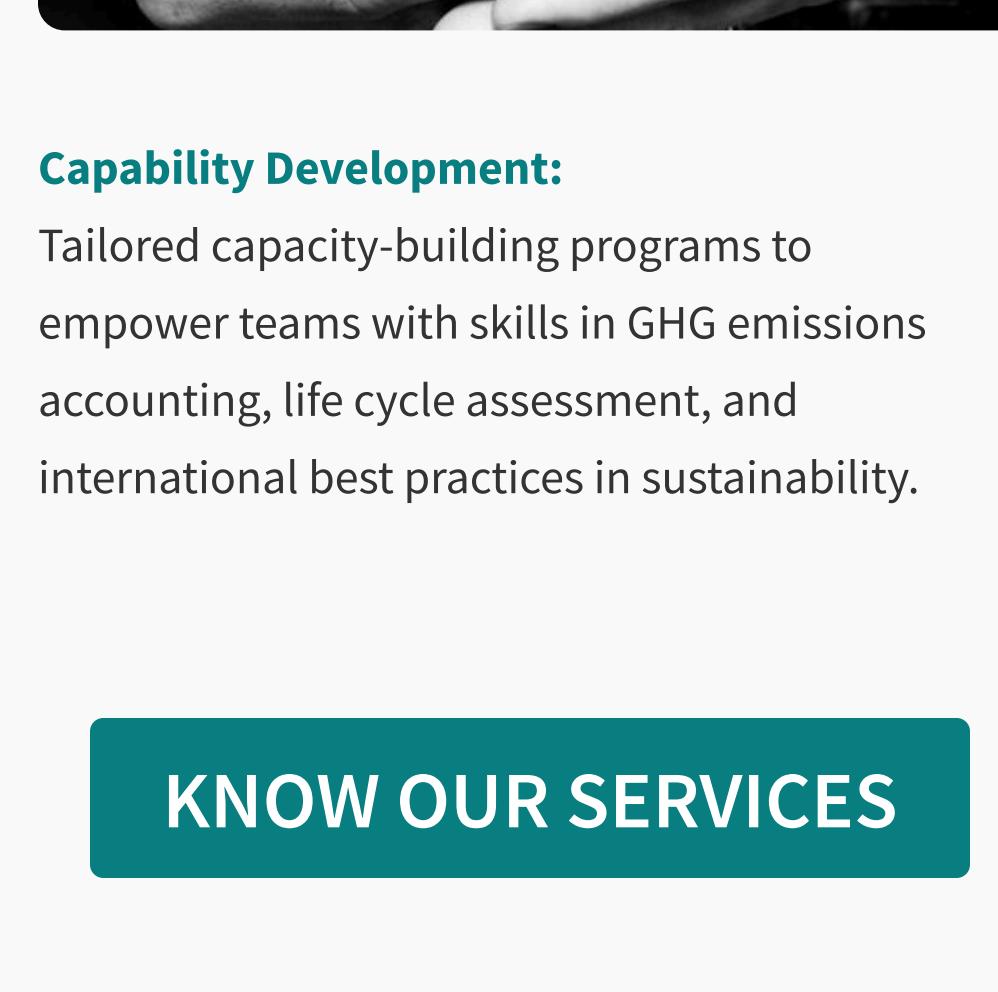
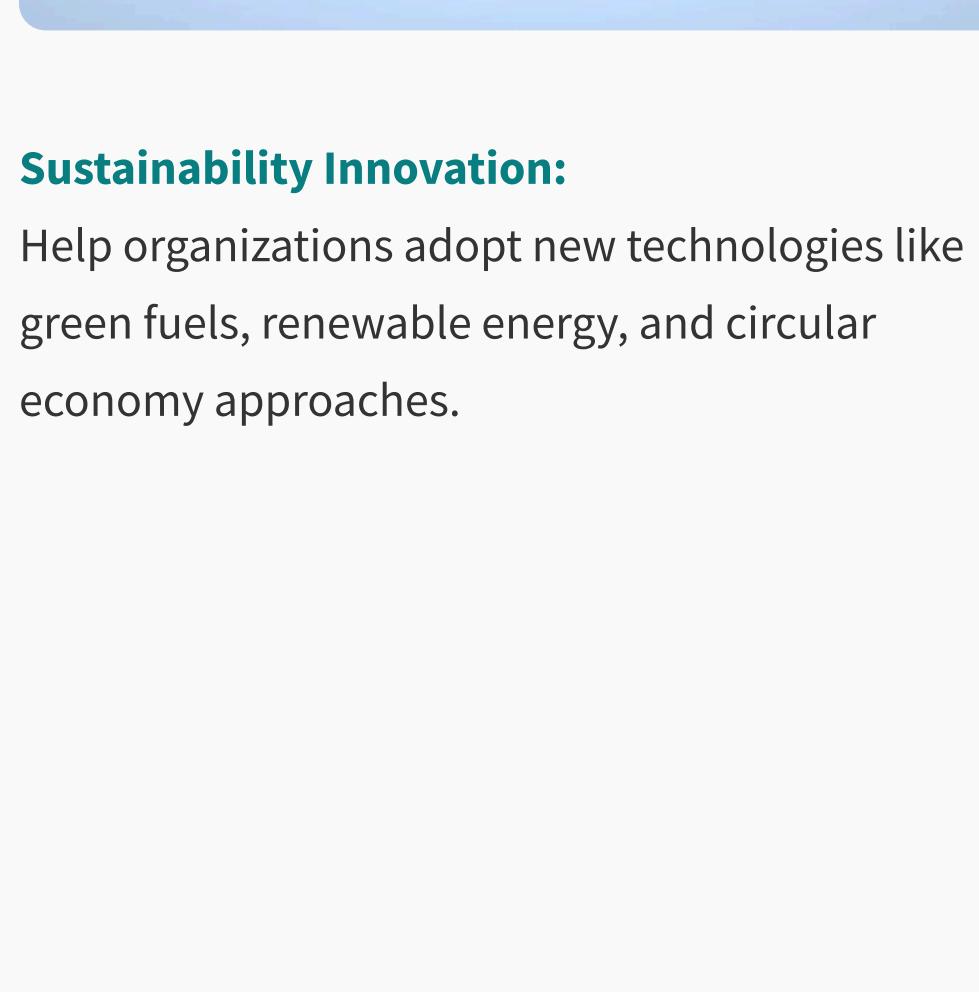
CALL US

Arantree Consulting Services Pvt Ltd, is a specialized advisory firm dedicated to developing evidence-backed, financially sustainable net-zero roadmaps for industries and governments. At Arantree, we go beyond mere consulting—we empower our clients with validated solutions that not only align with global and national decarbonization goals but also deliver tangible, measurable impact.

What sets us apart is our ability to bridge the technical depth of subject matter expertise with a holistic understanding of business, finance, and sustainability principles.



Drawing on decades of collective experience of leading hydrogen technologies, decarbonization roadmaps, and stakeholder engagement, Arantree operates at the unique intersection of:



Sustainability Innovation:

Help organizations adopt new technologies like green fuels, renewable energy, and circular economy approaches.

Capability Development:

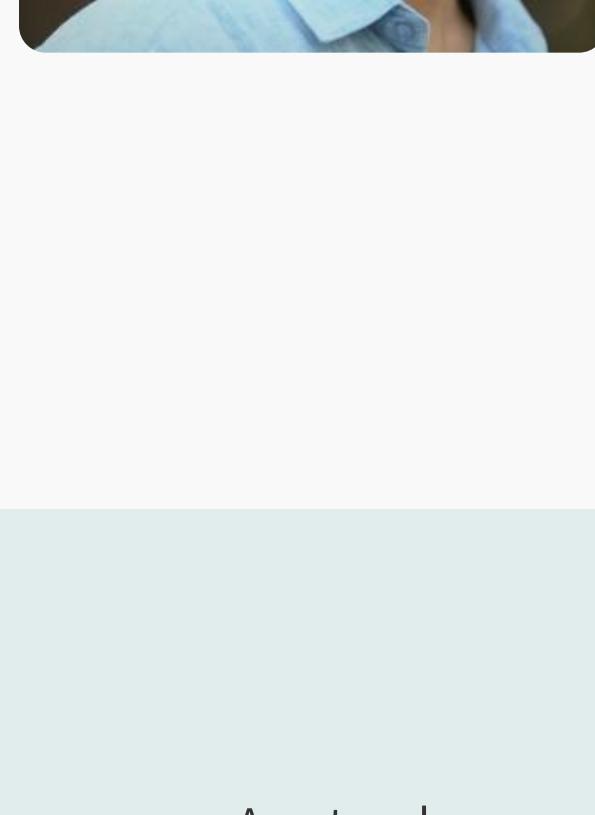
Tailored capacity-building programs to empower teams with skills in GHG emissions accounting, life cycle assessment, and international best practices in sustainability.

Strategic Transformation:

Craft actionable strategies that deliver long-term value by integrating sustainability into core business operations.

KNOW OUR SERVICES

OUR FOUNDERS

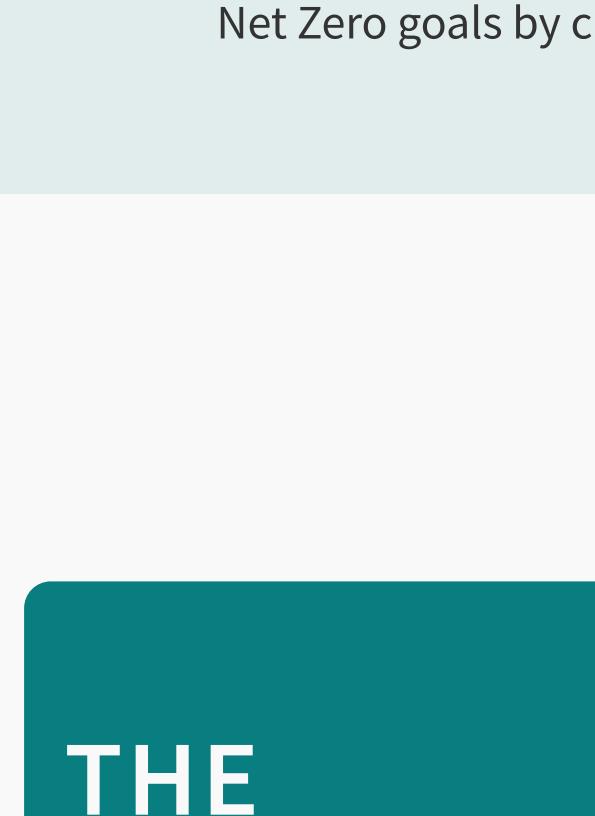


Dr. Anuradha Ganesh [in](#)

Dr. Anuradha Ganesh is a distinguished engineer, sustainability expert and co-founder ARANTREE Consulting Services Pvt Ltd, which is incubated at the IITM Incubation Centre... [→](#)

Dr. Nikhil Tambe [in](#)

Dr Nikhil S Tambe has over 20 years of professional experience in technology and innovation management roles in the domain of energy and sustainability... [→](#)



Dr. Satyanarayanan [in](#)

Prof Satyanarayanan Seshadri works in the area of energy efficiency enhancement through development of heat pumps, thermal energy storage systems... [→](#)

Dr. SANTOSH KUMAR SAHU [in](#)

Prof. Santosh Kumar Sahu is an Associate Professor of Economics in the Department of Humanities and Social Sciences and an Associate Faculty... [→](#)

OUR TEAM

Arantree has a young and dynamic team that is passionate about making a difference in the field of decarbonization and green energy. Harnessing the deep expertise of the founders, Arantree and its team has been able to come up with unique solutions that further the Net Zero goals by crafting evidence-backed, financially sustainable net-zero roadmaps that align with global and national commitments.

THE ARANTREE DIFFERENCE

Founders experienced in working with high powered **government committees'** setup for developing sustainability frameworks, standards and regulations

Rich experience in developing **novel technologies**, creating new inventions and implementation of innovative solutions in both industry and academia

Deep understanding of indigenously developed technology and their **effective mapping** to fill critical sustainability gaps for our clients

Arantree is Incubated and funded by **IIT Madras incubation cell.**

Arantree strives to be the catalyst that **connects academia**, industry and government entities for impactful climate action.

Our CEO is a **Fellow of INAE** and featured Amongst Top 75 Women in STEM during Azadi Ka Amrit Mohotsav.

To inquire for a new project email us at
customersupport@arantree.com

How can we help?

Name _____

Email _____

Mobile _____

SUBMIT

Decode India's Net Zero Ambitions and achieve Industrial Decarbonization Goals with Arantree

CALL US

