

**ESSENTIAL
INDIA** 

**Essential India Greenedge
Analytics Pvt. Ltd.**

A Step Towards Sustainable India

Bi-Monthly Newsletter
Edition 01
June-July 2026

ESSENTIAL INSIGHTS

A Bi-Monthly Sustainability Review

*“Nurturing Today,
Sustaining Tomorrow.”*



Scan to read more

www.theessentialindia.com



CONTENTS

JUNE-JULY 2026 | EDITION 01

Sr. No.	Contents	Page No.
1	Message from the Managing Director & Director	04
2	About Essential India	05
3	Projects Driving a Sustainable Future	06-08
4	Building Simulation	09
5	Site Visit Highlights	10
6	Operational Highlights	11
7	Industry Engagements	12
8	Knowledge & Capacity Building	13
9	Collaboration & Outreach	14
10	Feature Article - <i>A Beginner's Guide to Carbon Markets in India</i>	15
11	Talent Spotlight	16
12	Life At Essential India: Essential Moments	17

A MESSAGE FROM THE MANAGING DIRECTOR

Welcome to the inaugural edition of **Essential Insights**, the bi-monthly newsletter of **Essential India Greenedge Analytics Pvt. Ltd.** As sustainability continues to shape the future of businesses and communities, we remain committed to delivering innovative, practical, and science-driven solutions in green buildings, ESG, environmental consulting, carbon management, GIS, and energy efficiency.

Through this newsletter, we aim to share our projects, insights, industry developments, and success stories while fostering knowledge, collaboration, and sustainable growth. We hope this publication serves as a valuable resource and inspires collective action toward building a greener and more resilient future. Thank you for your continued trust and support.

Warm Regards,
Abdul Moeed Chaudhary
Managing Director
Essential India Greenedge Analytics Pvt. Ltd.



A MESSAGE FROM THE DIRECTOR

At **Essential India Greenedge Analytics Pvt. Ltd.**, we believe that meaningful progress begins with innovation, collaboration, and a shared commitment to sustainability. Since our inception, we have worked to develop practical solutions that address today's environmental challenges while creating long term value for our clients and communities. Through **Essential Insights**, we hope to share our experiences, technical knowledge, and industry perspectives, encouraging meaningful discussions and inspiring collective action towards a more sustainable future. We sincerely thank our clients, partners, and well-wishers for their continued trust and support as we move forward together.

Warm Regards,
Farhan Rathod
Director
Essential India Greenedge Analytics Pvt. Ltd.



About US

Essentialindia Greenedge Analytics Pvt. Ltd. began its journey in December 2019 with a vision to create a better living environment for all through sustainable building design and efficient operations. Our mission is to bridge the gap between modern development and environmental responsibility by promoting designs that are both energy efficient and people centered. We are a team of passionate young professionals with diverse expertise in architecture, engineering, business development, project management, education, and social reform. Together, we combine innovation and practical knowledge to deliver solutions that enhance comfort, reduce environmental impact, and contribute to a greener future. Since our inception, we have worked toward integrating sustainability into every stage of the built environment, from conceptual design to execution and long-term operation. At Essential India, we believe that sustainability is not a choice but a responsibility, and every project is an opportunity to make a lasting positive change.

Our Vision

Our vision at **Essentialindia Greenedge Analytics Pvt. Ltd.** is to be a leading environmental consulting firm that helps businesses achieve their sustainability goals. We believe that by working together, we can create a more sustainable future for generations to come.

Our Mission

Our mission is to drive India towards a greener future through innovative analytics solutions, including green building consultancy, building simulation, environmental impact mitigation, research and advisory, capacity development, and quantity estimation.

Our Core Values

- **Innovation:** Driving creative and practical solutions for a sustainable future.
- **Integrity:** Upholding transparency, ethics, and trust in everything we do.
- **Collaboration:** Working together with clients and partners for shared success.
- **Sustainability:** Creating long term environmental, social, and economic value.

Our Team

The People Behind the Progress



Abdul Moeed Chaudhary
Managing Director



Farhan Rathod
Director



Shruthi Rajarajan
Operations Manager



Fahima Shaikh
Sr. Sustainability Analyst



Aqib Shaikh
Short-Term Consultant



Mushraf Rathod
Sustainability Analyst



Umme Kulsum Kaka
Estimation Engineer



Prafull Vichare
Consulting Engineer



Sakina Syed
Sustainability Consultant



Nabil Siddiqui
Jr. Estimation Engineer



Abdul Rehman Chawhan
Sustainability Engineer



Hanna Asgar
Sustainability Analyst



Gopika B. Anil
Analyst



Shifa Shaikh
Analyst



Nauman A. Siddiqui
Jr. Sustainability Engineer



Zaid Wadkar
Engineer



Hajra Khan
Admin Executive



Preeti Jaiswal
Accounts & Admin Assistant



Shafaqut Siddique
Marketing Intern



Sania Bhatti
Intern

FEATURED PROJECTS

Project progress, certifications & milestones | June-July 2026

Purva Panorama

EDGE Green Building Certification

Every sustainable project begins with a vision that grows through collaboration and innovation. During this edition, Purva Panorama made significant progress towards **EDGE Green Building Certification** and **IGBC Green Homes Certification**, as our team advanced technical assessments, documentation, and sustainable design strategies. Each milestone brings the project closer to becoming a development that delivers lasting value for both present and future generations.



Modern Spaces

Shared Vision for Sustainable Growth

We are delighted to partner with **Modern Spaces** in its journey towards a more sustainable future. During this edition, our team initiated the **EDGE assessment** and worked closely with the client to integrate green building principles into the project. This collaboration reflects a shared commitment to responsible development and creating lasting value for people and the environment.

Karma Chalets

Towards IGBC Green Resort Certification

True hospitality extends beyond welcoming guests, it embraces the responsibility of protecting the environment they come to experience. We are proud to collaborate with **Karma Chalets** in their pursuit of **IGBC Green Resort Certification**, supporting a vision where sustainability becomes an integral part of every stay. As this partnership continues to grow, it represents another meaningful step towards creating destinations that inspire responsible living while delivering lasting value to both people and nature.





Amneal Pharma

Advancing Towards LEED Excellence

Sustainability is most impactful when it becomes part of an organization's vision for the future. We are delighted to collaborate with **Amneal Pharma** as they take an important step towards greener and more efficient infrastructure through a **LEED Assessment**. This partnership reflects a shared commitment to responsible development, creating lasting environmental and operational value.

GSC

Sustaining Excellence through LEED O+M

A truly sustainable building continues to evolve long after its doors open. We are delighted to collaborate with **GSC** as they take meaningful steps towards **LEED Operations & Maintenance (O+M) Certification**. Through this partnership, we aim to strengthen building performance and promote responsible operations, creating lasting sustainable value.



Pavilion Mall

Advancing Sustainable Retail Spaces

Every sustainability milestone reflects a shared commitment to responsible development. We are delighted to have supported **Pavilion Mall** in achieving **EDGE Standard Certification**, recognising its dedication to resource-efficient design and high-performance buildings. This achievement reinforces our shared vision of creating lasting environmental and operational value.

Assetz Mizumi Reserve

Building Sustainability from the Ground Up

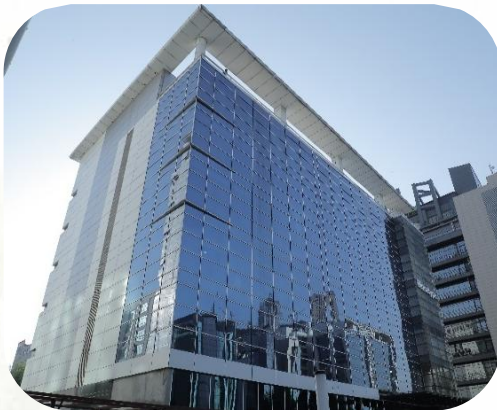
Every partnership begins with a shared vision for a better future. During this edition, Essential India commenced its collaboration with **Assetz Mizumi Reserve**, initiating the sustainability assessment through technical planning & close client coordination. As the project progresses, we remain committed to delivering practical, high-impact sustainability solutions with lasting value for people and the environment.



Intellion Offices by Tata Realty

EDGE Advanced Certification

Every certified project reflects a shared commitment to sustainability and innovation. This edition celebrates the **EDGE Advanced Certification of Intellion Offices by Tata Realty** (Intellion Park, Phase 1, Towers 1 to 4), Gurugram, awarded by the **International Finance Corporation (IFC), World Bank Group**. The project achieved **47% energy, 67% water, and 26% lower embodied energy in materials**, demonstrating the value of responsible development. We are proud to have contributed and congratulate the entire team.



Club 125 - Tower A & Tower B

EDGE Advanced Certification

Another milestone in sustainable development has been achieved with the successful **EDGE Advanced Certification of Club 125 Towers A and B**. The project achieved verified savings of **46% in energy, 44% in water, and 55% lower embodied energy in materials**, demonstrating the impact of resource efficient design. We are honoured to have contributed to this journey and congratulate all stakeholders on this remarkable achievement.

DORF KETAL R&D Building

EDGE Preliminary Certification

Innovation and sustainability come together to shape the buildings of tomorrow. This edition celebrates the **EDGE Preliminary Certification of the DORF KETAL R&D Building**, recognizing its commitment to resource efficient design. The project achieved verified savings of **36% in energy, 58% in water, and 56% in materials**, highlighting the measurable value of sustainable strategies. We are proud to have supported this milestone and congratulate the DORF KETAL team and all project stakeholders.



WMG 65 Retail

EDGE Standard Certification

We are pleased to announce the successful **EDGE Standard Certification of WMG 65 Retail**, reflecting a shared commitment to sustainable building practices and resource efficiency. This milestone demonstrates how thoughtful design and performance-driven strategies contribute to environmentally responsible and future-ready developments.

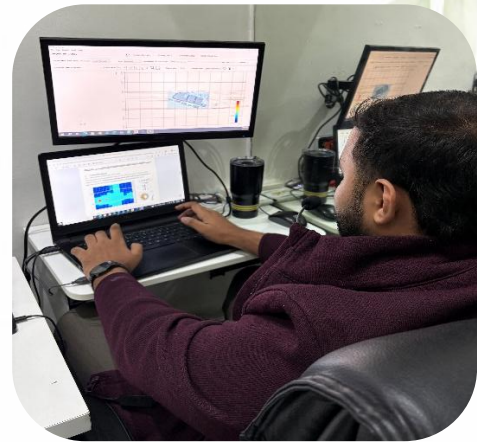
BUILDING SIMULATION

Turning Design Intent into Measurable Performance | June-July 2026

NMRD - Wind Analysis

Understanding Wind Behaviour

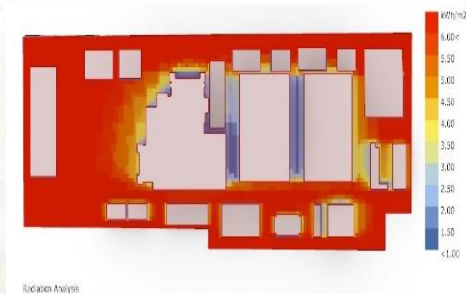
Essential India conducted a **CFD analysis** for the **Navi Mumbai Research District (NMRD) Life Science Building**, Juinagar, to assess external wind behaviour around the proposed development. The study examined airflow across heights of 2-75 m, under a 4 m/s design wind condition, with simulated wind speeds ranging from 1.10-6.60 m/s. These insights helped evaluate wind movement, natural ventilation, and outdoor comfort, supporting performance-driven design decisions.



NMRD - Radiation Analysis

Understanding Solar Heat Impact

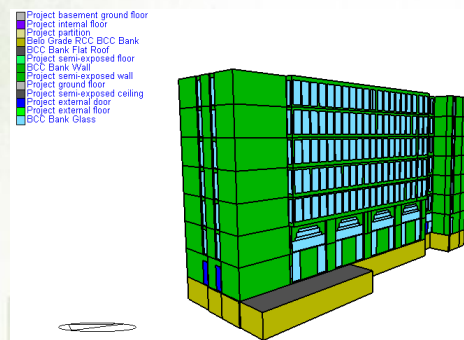
Essential India assessed **radiation levels** at the **NMRD Life Science Building** to understand solar heat exposure across the site. The analysis compared the proposed building condition with the addition of landscape measures, showing a reduction in average daily radiation from 3.90 to 3.15 kWh/m². These insights support design strategies that reduce heat gain and improve outdoor environmental performance.



NMRD - Urban Heat Island Effect

Creating a Cooler Outdoor Environment

The **Urban Heat Island (UHI) Effect** evaluated how the proposed building layout and surrounding landscape influence outdoor thermal conditions. With landscape integration, the average outdoor temperature decreased from 30.16°C to 29.05°C, demonstrating how thoughtful building and landscape design can mitigate heat gain and enhance outdoor thermal comfort.



BCC Bank - Energy Simulation

Optimising Performance Through Simulation

Essential India conducted a **building energy simulation** for **BCC Bank** to evaluate **energy performance** and identify opportunities for improved efficiency. The study modelled key parameters including the building envelope, lighting, equipment, occupancy, HVAC systems, and operational schedules, providing insights to support informed design decisions and enhance overall building performance.

SITE VISIT HIGHLIGHTS

Selected project visits and on-site engagements | June-July 2026

Rajasthan House, New Delhi

GRIHA Due Diligence Site Visit

Meaningful sustainability is achieved through continuous collaboration at every stage of a project. During the **GRIHA Due Diligence 1 (DD1)** site visit for **Rajasthan House**, New Delhi, our team worked alongside project stakeholders to support site readiness, documentation, and compliance with **GRIHA** requirements while facilitating the assessment with **GRIHA** officials. This milestone reflects another step towards creating a high-performance building that embodies environmental responsibility and long-term sustainability.



IGBC Existing Building Project

Supporting Sustainable Buildings

Building sustainability extends beyond design and continues throughout a building's life. As part of an **IGBC Existing Building** project, the **Essential India** team conducted a comprehensive site visit to support the certification journey through **on-site assessments**, performance measurements, documentation, and compliance verification. Working closely with project stakeholders, the visit helped evaluate the building against **IGBC** requirements while advancing practical and effective green building solutions. The project also completed its **first council submission to IGBC**, marking an important milestone in the certification journey and reflecting the team's commitment to thorough documentation and a smooth assessment process.

OPERATIONAL HIGHLIGHTS

Quantity Estimation & Cost Engineering | June-July 2026

Before a Project Takes Shape on Site, It Takes Shape on Paper.

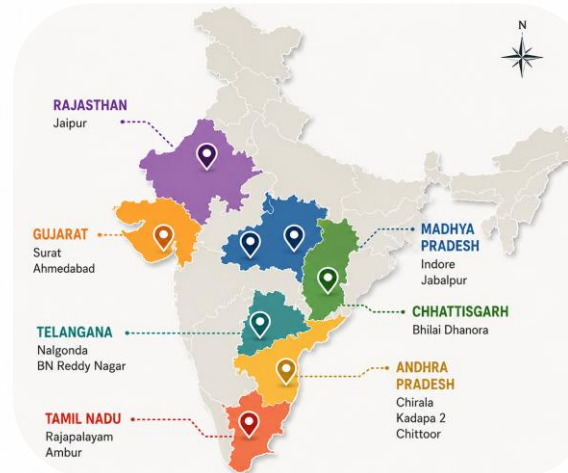
A successful construction project is not only about building well, it is also about knowing exactly what needs to be built, how much material is required, and whether the quantities being billed match the work actually carried out. This is where accurate quantity estimation plays an important role.

During June and July, our Quantity Estimation team continued to support 9 projects through Civil BOQ preparation, BBS and Final Bill checking, while 4 additional projects were awarded to us during the period, further strengthening our ongoing engagement with the client

From BOQ to BBS: Getting the Quantities Right

Our team worked on 6 Civil BOQ and BBS assignments covering the Main Building, Compound Wall and Waterproofing works. The projects included Bhilai Dhanora, Nalgonda, Rajapalayam, Ambur, Vandemataram Jaipur and BN Reddy Nagar. While Gopin Gav Surat, Luv Kush Indore and Gokuldharm Sanand Road, Ahmedabad are the projects awarded to us during this period.

A BOQ is more than a list of quantities. It provides a structured understanding of the work involved and becomes an important reference for cost planning, procurement, contractor pricing and project execution. Similarly, a detailed BBS helps translate structural drawings into the actual reinforcement requirements needed at site, making accuracy in dimensions, bar quantities and cutting lengths critical.



Checking the Numbers at the Finish Line

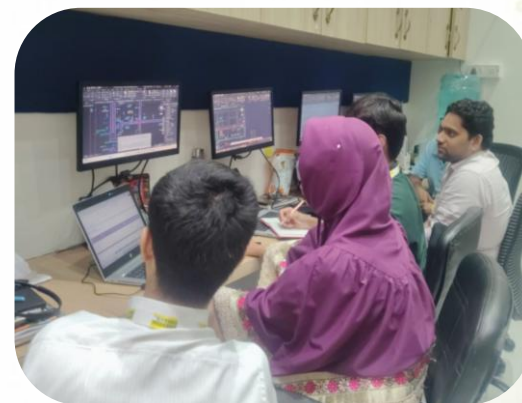
At the other end of the project lifecycle, our team carried out Final Civil Bill Checking for 3 projects, Chirala, Kadapa 2 and Chittoor, covering the Main Building, Compound Wall, Waterproofing and BBS. While Jabalpur 2 is the project awarded to us during this period.

Final bill checking is not just about verifying the final amount. It involves reviewing whether claimed quantities match the work executed and whether measurements, variations and supporting records are consistent. A thorough check helps identify discrepancies before financial closure.

Why Quantity Accuracy Matters

A small error in quantity estimation can have a much larger impact as a project progresses. An incorrect quantity can influence material procurement, contractor billing, project cost and ultimately the final project value. That is why our approach focuses not only on preparing quantities, but also on understanding the drawings, scope of work and construction requirements behind those quantities.

The work completed and progressed during these two months, together with 4 new projects awarded to us, reflects the continued confidence our client places in our Quantity Estimation team.



OUR APPROACH REMAINS SIMPLE



MEASURE
CAREFULLY



CHECK
THOROUGHLY



BUILD
WITH CONFIDENCE

INDUSTRY ENGAGEMENTS

Engaging with the sustainability community | June-July 2026

IGBC Green Pune Summit 2026

Meaningful progress in sustainability is driven by collaboration and the exchange of ideas. During the **IGBC Green Pune Summit 2026**, held at **Hyatt Pune**, **Abdul Moeed Chaudhary**, Managing Director, and **Farhan Rathod**, Director, represented Essential India alongside architects, developers, policymakers, and sustainability professionals. Centered around the theme **"Pune 2040: Building India's Leading Green, Climate Ready City"** the summit provided a valuable platform to discuss green buildings, ESG, energy efficiency, and emerging opportunities that will shape the future of sustainable urban development. Through such engagements, we continue to strengthen partnerships and contribute to meaningful conversations that advance the built environment.



GREENPRO Summit 2026

The **GREENPRO Summit 2026**, held at **The Westin, Pune**, brought together industry leaders, manufacturers, sustainability professionals, and innovators to explore the growing role of green products in accelerating decarbonisation across value chains. The summit provided a valuable platform to discuss emerging trends, innovative solutions, and practical approaches towards building more sustainable and resilient industries. Representing **Essential India Greenedge Analytics Pvt. Ltd.**, **Mushraf Rathod** and **Abdul Moeed Chaudhary** participated in insightful discussions, exchanged ideas with industry experts, and explored emerging innovations shaping the future of sustainable development.



Events such as **GREENPRO Summit 2026** provide valuable opportunities to strengthen partnerships, share knowledge, exchange industry perspectives, and remain connected with the latest advancements in the sustainability sector. The interactions offered valuable perspectives on how sustainable products, technologies, and practices can contribute to broader environmental and decarbonisation goals. As we continue our journey towards delivering practical and future ready sustainability solutions, such platforms help us stay engaged with evolving industry needs and emerging opportunities for sustainable growth.

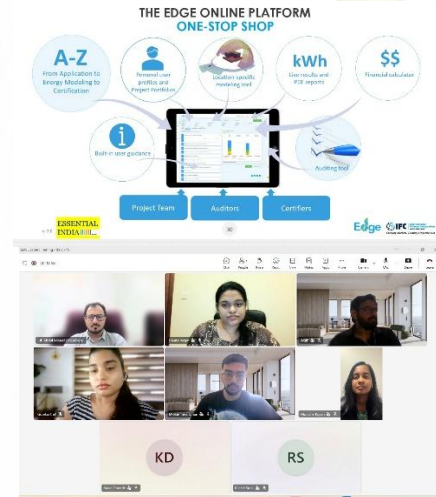
KNOWLEDGE & CAPACITY BUILDING

Knowledge Sharing & Leadership | June-July 2026

EDGE Expert Training Workshop

Developing Future EDGE Professionals

Building a sustainable future begins with empowering the professionals who will shape it. During this edition, **Essential India Greenedge Analytics Pvt. Ltd.** successfully conducted its **15th EDGE Expert Training Workshop**, continuing a journey of developing skilled practitioners in sustainable building design and certification. Led by **Abdul Moeed Chaudhary**, India's First EDGE Faculty, the workshop combined practical learning, industry experience, and real-world case studies to prepare participants for the **IFC EDGE Expert Examination**. Through continuous capacity building, we strengthen professional expertise and advance resource-efficient green buildings across the industry.



Decarbonisation Business Charter

Green Buildings Beyond Compliance

Creating sustainable buildings starts with informed decisions. As part of the Decarbonisation Business Charter's "One Brick at a Time" Learning Series, Abdul Moeed Chaudhary delivered a session on "Green Building Certifications: Choosing the Right Certification for Business Value, ESG Performance, and Green Finance." The session explored how green building certifications enhance ESG performance, support green finance, and create long-term asset value through practical case studies and industry insights. Through such initiatives, Essential India continues to advance sustainable development through knowledge sharing.

Axis Bank Green Building Initiative

Empowering Sustainable Development

Meaningful transformation begins when knowledge inspires action. During June-July, Essential India contributed to the **Axis Bank Green Building Programme** through technical workshops and expert sessions on sustainable development, green finance, and high-performance buildings. By engaging with developers and industry stakeholders, we promoted practical sustainability solutions that create lasting environmental and business value.

IFC-Axis Bank Partner to Scale Green Buildings



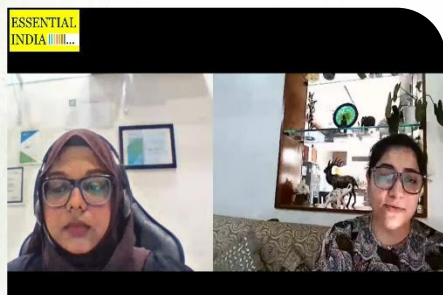
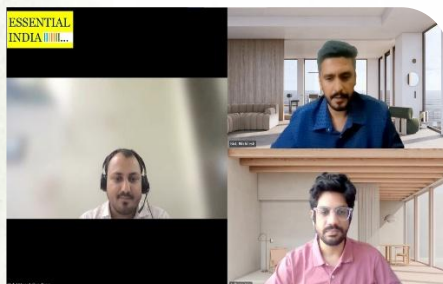
COLLABORATION & OUTREACH

Collaborating Beyond Projects | June-July 2026

Industry Academia Partnership

Bridging Academia & Industry

Preparing the next generation of sustainability professionals begins with meaningful collaboration. This edition marks the signing of a **five-year Memorandum of Understanding (MoU)** between **Essential India Greenedge Analytics Pvt. Ltd.** and **Shree L. R. Tiwari College of Engineering**, establishing a long-term partnership focused on knowledge exchange, practical learning, and industry engagement. Through this collaboration, we aim to support student internships, technical workshops, project mentoring, collaborative research, and expert interactions, creating opportunities that bridge academic learning with real world sustainability practices. Together, we look forward to nurturing future ready engineers who will contribute to a greener and more resilient built environment.



The Essential Podcast

Conversations That Matter

Knowledge creates greater impact when it reaches beyond the workplace. During this edition, **The Essential Podcast** continued its journey of bringing sustainability conversations to a wider audience through two expert podcast sessions. The first episode was hosted by **Fahima Shaikh**, featuring **Maaz Dixit**, who shared valuable perspectives on **green building certifications** and their role in creating business value. The second episode, hosted by **Abdul Moeed Chaudhary**, featured **Arihant Jain** and **Nikhilesh Singh Bist**, exploring **building simulation**, **energy modelling**, and **sustainable construction** through practical industry experiences. Together, these conversations made complex sustainability topics more accessible while promoting continuous learning, informed decision making, and meaningful dialogue across the built environment.



CARBON MARKET INSIGHTS

Understanding the policies, opportunities and innovations shaping India's low-Carbon future



Every sustainable transformation begins with awareness, where knowledge becomes the foundation for meaningful action. As India accelerates its journey towards a low carbon economy, carbon markets are emerging as a powerful catalyst for responsible growth, encouraging organisations to align environmental stewardship with long term value creation. Through our latest article, "**A Beginner's Guide to Carbon Markets in India**," we invite readers to explore this evolving landscape and discover the opportunities shaping the future of sustainable development.

CARBON MARKET INSIGHTS

A Beginner's Guide to Carbon Markets in India



FEATURED BLOG

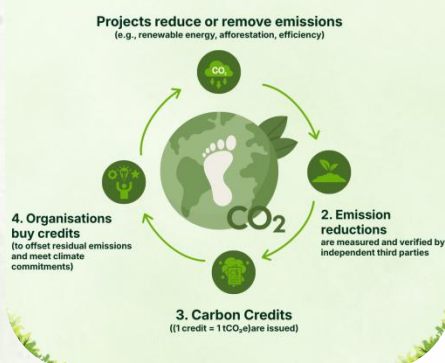
Explore the essentials of carbon markets, carbon credits, policy developments, and opportunities in India.



Scan to read more

- Climate Action
- Carbon Credits
- Global Markets
- Sustainable Growth

HOW CARBON MARKETS WORK



The illustration alongside offers a simplified view of the carbon market ecosystem, showing how verified climate action is transformed into measurable environmental impact through carbon credits. Behind this process lies a continuous cycle of innovation, transparency, and accountability, where every verified reduction contributes towards a more resilient future. The complete article explores these concepts in greater depth, providing practical insights into the principles, emerging policies, and growing significance of carbon markets in India.

At **Essential India**, we believe that sharing knowledge is the first step towards creating lasting change. Through **Essential Insights**, we remain committed to bringing forward ideas, innovations, and perspectives that inspire informed decisions and responsible action. **Scan the QR code** to read the complete article and join us in shaping a future where sustainability becomes a shared responsibility and a collective opportunity.



Scan to read more

TALENT SPOTLIGHT

Essential India at the SDI Career Fair 2026 | Infosys Mysuru Campus

As part of our commitment to fostering future sustainability professionals, **Essential India Greenedge Analytics Pvt. Ltd.** participated in the **Solar Decathlon India (SDI) Career Fair 2026**, held at the **Infosys Mysuru Campus** on 21 June 2026. Organized under Solar Decathlon India, one of the world's largest net zero building challenges, the event brought together over 400 students from 36 finalist teams, providing a dynamic platform to engage with emerging talent passionate about sustainable development and green buildings.



Representing Essential India, **Farhan Rathod** and **Ummekulsum Kaka** interacted with aspiring professionals, sharing insights into the company's work across green buildings, ESG, carbon management, environmental consulting, and sustainable infrastructure. The event provided an excellent opportunity to exchange ideas, explore future collaborations, and encourage young innovators to contribute towards building a more sustainable and climate resilient built environment.

Our participation reflects **Essential India's** continued commitment to nurturing talent, strengthening industry academia engagement, and supporting the next generation of professionals who will shape a greener and more sustainable future.



Awards & Winner Declaration | Solar Decathlon India 2026

LIFE AT ESSENTIAL INDIA: ESSENTIAL MOMENTS

Celebrating Together. Growing Together



A SCOOP OF CELEBRATION

Project Completion

Every completed project carries the contribution of many. A simple ice cream break gave us a moment to pause, appreciate the effort and celebrate the achievement together.



BEYOND ROLES AND ROUTINES

Team Outing

At the amusement park, we stepped beyond roles and routines, creating space for laughter, connection and the simple togetherness that lies at the heart of our work culture.



TOGETHER AROUND THE TABLE

Team Dinner

Away from the workplace, a shared meal became an opportunity to connect beyond everyday responsibilities. Good food brought us to the table, while conversation and camaraderie brought us closer.



CELEBRATING TOGETHER

Festival Celebration

Festivals bring us together to celebrate, connect, and appreciate the diversity that makes our workplace special. These moments reflect the spirit of togetherness, respect, and belonging.



CELEBRATING OUR PEOPLE

Birthday Celebration

Birthdays offer a simple reason to pause from the routine and celebrate one another. These small gestures of appreciation remind us that people remain at the heart of everything we do.

“

He who
plants a tree
plants a hope.

— Lucy Larcom

*The journey continues.
The possibilities are greater.*



Registered Office

2B96, Second Floor, Phoenix
Paragon Plaza, Beside Phoenix
Marketcity Kurla, LBS Marg, Kurla
West, Mumbai - 400070.
WhatsApp: +91-9029085503
Call: +91-9967105686
✉ : admin@theessentialindia.com

Follow us on Social media



Essential India Greenedge Analytics Pvt Ltd.



@EIGAPL



@EIGAPL



@theessentialindia



+91 90290 85503