



BUILDING **ZERO** CONSULTANTS

FIRM PROFILE • 2026

Building a Net-Zero Future from Zero.

A net-zero advisory built across India and Canada.

From strategy and design, to execution and communication.

Global Sustainability & Net-Zero Advisory | India • Canada • Global

NOW OPEN • GLOBAL HQ, VANCOUVER



From ambition to net-zero leadership.

An integrated sustainability partner translating ambition into verified, measurable impact — across businesses, buildings, products, events and people, with hands-on delivery in India and a global headquarters in Canada.

25

IGBC / LEED Platinum-rated projects

1st

Green SEZ certified in India — KASEZ

11.7M

sq ft of green space certified & underway

7

carbon-neutral company certifications, 3 continents

200+

professionals & students trained

ONE PARTNER, END TO END Strategy · Design · Execution · Communication — across India and Canada.

Greenest office in India (92/100) · Greenest individual home in India (75/75) · Gujarat's first Net-Zero Energy industrial facility · U.S. DOE Solar Decathlon finalist (Canada)

A sustainability partner for a net-zero, just and regenerative future.

Net-zero, end to end: Businesses | Buildings | Products | Events | People

Building Zero Consultants delivers integrated sustainability consulting, neutralizing carbon across businesses, buildings, products and events while advancing the health and well-being of people and the planet. We pair technical depth with systems thinking to turn ambition into verified, measurable outcomes.

Headquartered in Surat, India • Global HQ in Vancouver, Canada.



Purpose, principles and the way we work

Why We Exist

A world where net-zero becomes the default — shaping how the built environment, organisations and experiences are conceived, delivered and lived.

How We Deliver

Through technical excellence, systems thinking and people-centred capacity building that translate ambition into measurable outcomes.

Our Ecosystem

A connected global network of clients, partners and institutions delivering credible, scalable sustainability outcomes.

WHAT GUIDES US

Integrity

Scientific Rigour

Measurable Impact

Partnership

Stewardship

Innovation

The India–Canada Bridge

Dual presence in India and Canada — pairing region-specific compliance with global standards, from IFRS S2 and CSRD readiness to hands-on, on-the-ground delivery.



Local Insight

Region-specific codes & compliance

Global Standards

IFRS S2 · CSRD · LEED · IGBC · EDGE

On-Ground Delivery

Hands-on execution across both markets

A global sustainability practice

Two home markets, global reach — sustainability and net-zero advisory delivered from India and Canada, for clients across four continents.

HOME MARKETS

OFFICES

Surat, India Head Office

Vancouver, Canada Global HQ

PRESENCE

Mumbai, India

Toronto, Canada

2 countries · 4 hubs

PROJECT & CLIENT REACH

Countries where BZC has delivered projects or served clients

India Surat · Mumbai · Hyderabad · Jaipur +	Canada Vancouver · Toronto · North Vancouver
United States Denver · New York · Frisco	Belgium Antwerp
United Arab Emirates Dubai	Hong Kong Hong Kong SAR
China Mainland China	Uganda Kampala
Botswana Gaborone	South Africa Mahikeng

10 countries · 4 continents · Projects across diamond, real estate, industry, civic, healthcare & institutions

Why Vancouver

BZC Global Headquarters is now open in Vancouver — anchoring our India–Canada bridge in one of the world's most climate-ambitious cities and giving North American clients a local partner backed by a deep technical bench in India.

A climate-policy leader

Canada's legally binding net-zero-by-2050 framework and Vancouver's building-performance standard — Canada's first — make it a proving ground for high-performance, low-carbon buildings.

A North American gateway

A base to serve clients across Canada and the United States, connected in real time to our delivery and modelling teams in India.

Proven on the ground

U.S. DOE Solar Decathlon finalist (Vancouver Waldorf School), UBC M.Eng. leadership and Canadian net-zero project experience.

Global standards, local depth

IFRS S2 & CSDS readiness, CAGBC Zero Carbon and Passive House fluency — delivered with India's cost-efficient technical capacity.

Same team. Same rigour. Now with a Canadian home.

Why become sustainable NOW

Disclosure, carbon pricing and performance standards are moving from voluntary to mandatory across BZC's core markets — early movers gain compliance certainty, lower cost of capital and durable brand value.

INDIA

- Net-zero by 2070 (Panchamrit commitments)
- SEBI BRSR mandatory for top-1,000 listed firms
- Carbon market (CCTS) live 2026 — compliance obligations
- ECBC energy code · IGBC · GRIHA building mandates
- EU CBAM exposure for exporters from 2026

CANADA

- Net-zero by 2050 — legally binding (Net-Zero Accountability Act)
- Canadian Sustainability Disclosure Standards (CSDS), aligned to ISSB
- Canada Green Building Council Zero Carbon Building Standard
- Vancouver — Canada's first municipal building-performance standard
- 2030 target: 40–45% below 2005 levels

GLOBAL

- IFRS S1/S2 (ISSB) being adopted across major markets
- EU CSRD / ESRS + CBAM reshaping supply chains
- SBTi science-based targets now market expectation
- Investor & lender pressure on credible transition plans
- Rising demand for certified low-carbon assets

Why leading organisations choose BZC

What sets us apart from generalist ESG advisors and single-service certifiers.

01 Global reach, local depth

Offices in India and Canada pair region-specific compliance with global frameworks — IFRS S2, CSRD, LEED, IGBC and EDGE — so you meet local codes and international expectations at once.

02 Science-led analytical depth

In-house energy, CFD, daylight and life-cycle modelling with rigorous carbon accounting — engineering evidence behind every recommendation, not generic advice.

03 Verified, assurance-grade outcomes

Independently verified results aligned to ISO, the GHG Protocol and global protocols — claims that withstand investor, auditor and regulator scrutiny.

04 Trusted across sectors

Credibility proven across diamonds, real estate, industry, healthcare, hospitality, civic infrastructure and institutions — depth that transfers between very different clients.

Why we begin at Zero.

Zero is not just the end goal — it is the starting point for innovation, clarity and purposeful design. Beginning at Zero lets us:

- Reimagine systems from the ground up
- Challenge conventional assumptions
- Create climate-responsive, future-ready solutions
- Align goals, resources and constraints

Zero becomes the anchor for net-zero, net-positive and regenerative outcomes.



Pillars & Dimensions of Sustainability

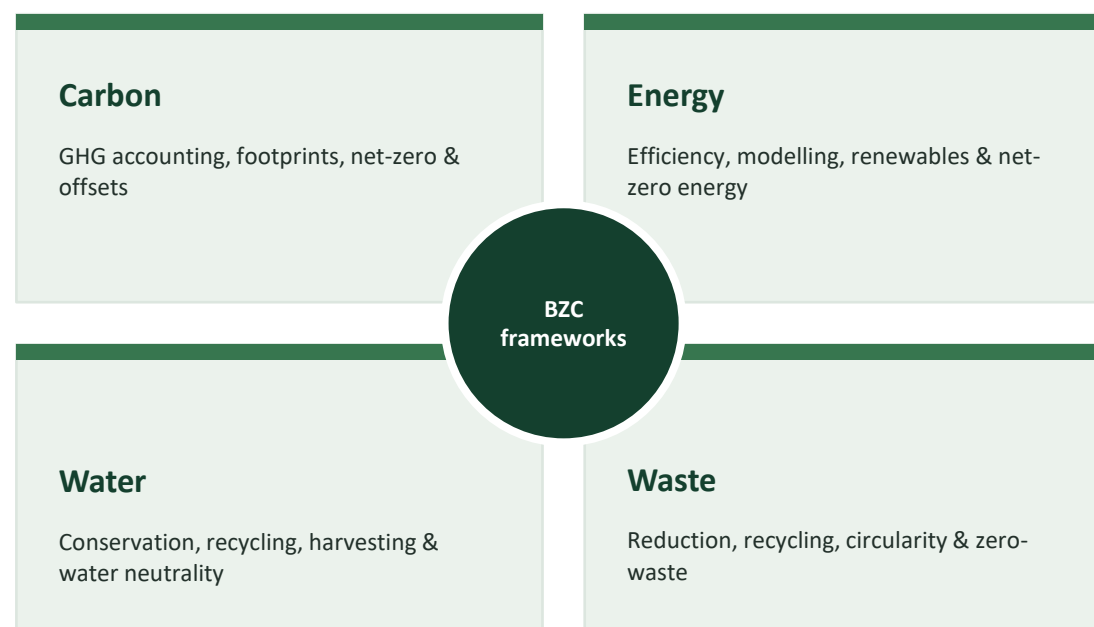
Five service pillars, anchored by four dimensions — Carbon, Energy, Water, and Waste — sit at the centre of every methodology and framework.

THE FIVE PILLARS



Each pillar reinforces the others — with training & development enabling comprehensive sustainability.

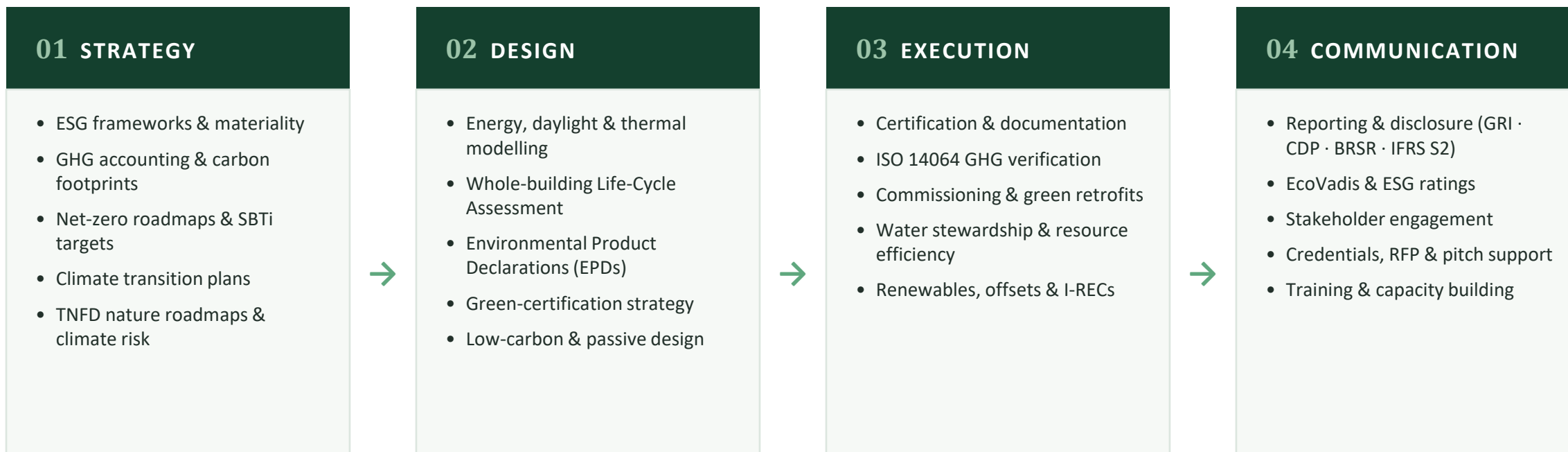
FOUR DIMENSIONS OF SUSTAINABILITY



These four dimensions sit at the centre of our methodologies and frameworks.

From strategy to story, One integrated partner

Most firms cover a slice of the journey. BZC delivers the full arc of comprehensive net-zero — one accountable team, no handoffs, no gaps.



UNDERPINNED BY Continuous monitoring, validation and people-centred capacity building — sustaining performance long after delivery.

Services for Buildings

High-performance, low-carbon and human-centric buildings — from concept and modelling through certification and commissioning.

NEW BUILDINGS

- High-performance design charrettes & concept design
- Performance analysis — energy modelling, daylight & thermal comfort
- Green-building certification assistance (LEED · IGBC · EDGE · WELL · GRIHA)
- Architectural & MEP design review
- Whole-building Life-Cycle Assessment (embodied carbon)
- On-site renewable energy integration (solar · wind · storage)
- Building systems commissioning

EXISTING BUILDINGS

- Green retrofits & energy-efficiency upgrades
- Net-Zero energy & GHG audits
- Net-Zero water audits (conservation · recycling · harvesting)
- Net-Zero waste audits (reduction · recycling · zero-waste)
- Indoor environmental quality (IEQ) assessment
- MEP fine-tuning & building-management optimisation
- Facility-management training

CERTIFICATIONS LEED · WELL · IFC EDGE (Standard & Advanced) · IGBC · GRIHA · GreenStar · BREEAM · IGBC Net-Zero · CII GreenCo

Services for Businesses, Products, Events & People

Sustainability across every dimension of the organisation — strategy, disclosure, products, experiences and capability building.

BUSINESSES

- ESG evaluation & strategy
- GHG / carbon footprint accounting (Scope 1–3)
- Carbon-neutral & net-zero planning
- Sustainability reporting — GRI · CDP · IFRS S2 · BRSR
- Climate-risk mitigation & resilience
- CSR programme design & management
- Carbon-removal projects — afforestation & capture

PRODUCTS

- Product Life-Cycle Assessment (LCA)
- Environmental Product Declarations (EPD)
- Carbon-neutral product certification
- Eco-label certification
- Circular design planning

EVENTS

- Carbon-neutral & net-zero event planning
- Event carbon footprinting — Scope 1–3
- Sustainability frameworks & execution guidelines
- Sustainability communication & marketing

TRAINING & PEOPLE

- Green-building & sustainability training
- Facility-management capacity building
- Workshops, charrettes & faculty services
- Academic & institutional programmes

Measurable impact, across every dimension

~60K

tCO₂e offset every year

11.7M

sq ft of green space

27.5M

litres of water saved

50,500+

trees planted

25 + 9

Platinum + Gold certified projects

7

carbon-neutral company
certifications

200+

professionals & students trained

10 · 4

countries · continents

92/100

greenest office in India

Architects, engineers and analysts advancing a net-zero future



Jiyan Pattharwala

Founder & CEO · Principal Sustainability & Decarbonization Strategist

Vancouver, Canada · Surat, India

M.Eng. Leadership, High-Performance Buildings (UBC) · Aga Khan Foundation International Scholar · LEED AP (BD+C, O+M), WELL AP, IGBC AP, IFC EDGE Expert / Auditor / Faculty



Mohammed Khumri

Associate Partner · Head, Green Buildings

Surat, India

B. E. (Mechanical), IGBC AP, LEED GA, EDGE Expert, BEE Certified Energy Manager, GRIHA CP, TRUE Advisor, CII Certified Professional in Sustainable Waste Management



Binoy Pattharwala

Associate Partner · Head, Corporate Sustainability & Communications

Toronto, Canada

Hons. Geomatics, Climate Change Specialization (UWaterloo) Certified Sustainability Reporting Manager · UN Global Compact Climate Ambition Accelerator Graduate

Globally accredited. Independently verified.

Professional Accreditations

GREEN BUILDINGS

LEED AP · WELL AP · IGBC AP · GRIHA CP
IFC EDGE Expert · Auditor · Faculty

ENERGY

BEE Certified Energy Manager · ECSBC Master Trainer (BEE–TERI)
Building Energy Efficiency Professional (Indo-Swiss BEEP)
Energy Modeling & Simulation Professional (BCIT)

CARBON & LCA

Whole-Building LCA Accredited Professional (BCIT)
Carbon Footprint Professional (CII) · Forest Carbon Management (UBC)

REPORTING & DISCLOSURE

Certified Sustainability Reporting Manager (CIPC)
Climate Ambition Accelerator Graduate (UNGC)

WASTE & WELL-BEING

TRUE Advisor · Sustainable Waste Management Professional (CII)
ActiveScore AP · SEA

FOUNDATION

Registered Architects — Council of Architecture (India)
M.Eng. High-Performance Buildings — UBC, Canada

Ratings & Certifications Delivered

- USGBC LEED — BD+C, O+M, ID+C
- IGBC — Homes · Factories · Interiors · Net-Zero Energy · Green SEZ / Industrial Cities (India's 1st)
- IFC EDGE — Standard & Advanced
- IWBI WELL · GRIHA · BREEAM · GreenStar
- CII GreenCo / Green Pro
- Carbon-Neutral Company certification — Climate Impact Partners (7 companies · 3 continents)
- EcoVadis ESG ratings

Standards & Frameworks

- GHG Protocol · ISO 14064 · Scope 1–3 · SBTi
- IFRS S2 · CSDS (Canada) · CSRD
- GRI · CDP · BRSR disclosure
- LCA & EPD — EN 15804 · ISO 14040/44
- EPD Global · EPD International
- Offsets & RECs — Gold Standard · Verra · I-REC
- Energy audits — ASHRAE Standard 211
- Management-system evaluation — ISO 9001 · 14001 · 45001
- TNFD-aligned climate & nature risk readiness

An aerial photograph of a campus featuring several large, light-colored buildings with extensive solar panel installations on their roofs. The campus is surrounded by lush green trees and open fields. In the background, a large, circular, open area with a central structure is visible. The overall scene depicts a sustainable and green environment.

SELECTED ENGAGEMENTS

Proof, at scale.

*Flagship projects across green buildings, proactive organisations, conscious events
and community climate action — in India and Canada.*

KASEZ — India's First Green Special Economic Zone

Scaling climate resilience, green policy and ecological transformation for sustainable industrial growth across a 1,023-acre industrial city.



1M+

trees planted · >200% green cover

42%

urban heat-island reduction

~60K

tCO₂e offset annually

BZC CONTRIBUTION

- Guided KASEZ to India's first Platinum-rated Green SEZ (IGBC)
- Formulated city-wide green policies — soil, energy, mobility, waste
- Climate-resilience planning for flood, salinity and arid risks
- ArcGIS mapping of land use, roads, drainage and utilities
- Environmental assessments — water harvesting, STPs, air quality, renewables

RECOGNITION

- IGBC Green Industrial Cities — Platinum (first SEZ in India)
- ISO 9001:2015 & ISO 27001:2013 management systems
- Endorsed by the Zonal Development Commissioner as a global Centre of Excellence

Vancouver Waldorf School — Net-Zero Ready Campus

An award-winning, student-led design for a resilient, net-zero ready K–12 campus through energy efficiency, life-cycle carbon reduction and renewable integration.



~50%

source EUI below baseline

33.5%

embodied-carbon reduction

105%

annual demand met by renewables

BZC CONTRIBUTION

- Passive-first energy concept design, HVAC optimisation and energy modelling
- Daylight, thermal comfort, IAQ and future-climate performance analysis
- Whole-building LCA — concrete, steel and timber comparative studies
- Renewable integration — PV, solar trees, wind turbines and storage
- Led narrative, presentation design and jury delivery at the U.S. DOE finals

RECOGNITION

- Finalist — Education Building category, U.S. DOE Solar Decathlon 2023
- Winner — Notable Event Engagement Award, Denver, Colorado
- Aligned with CaGBC Zero Carbon, Passive House & Living Building Challenge

Multi-Continent Carbon-Neutral Diamond Companies

Driving climate accountability across the diamond value chain with end-to-end carbon management for leading global companies.



7

companies certified

3

continents · 5 locations

1·2·3

full Scope GHG assessments

BZC CONTRIBUTION

- Corporate GHG assessments — Scope 1, 2 & 3 with full transparency
- Actionable carbon-neutral and decarbonisation roadmaps
- Certification support and compliance with global protocols
- Offset & I-REC advisory — high-quality instrument selection
- Stakeholder communications showcasing climate action globally

RECOGNITION

- Carbon-Neutral Company certification — verified by Climate Impact Partners
- First Carbon-Neutral & CII GreenCo Gold diamond company in India
- Offset portfolio certified by Gold Standard and Verra

Aga Hall Estate — High-Rise Residential Decarbonisation

Green-building and EDGE advisory for a 16.5M sq. ft. residential development within the Aga Khan Development Network ecosystem.



1.65M

sq. ft. residential development

2

precertifications secured

2020

engaged · ongoing

BZC CONTRIBUTION

- Appointed consultant for IGBC and IFC EDGE certification
- Technical assessments, audits, documentation and submissions
- Energy, water and material-efficiency optimisation
- Extended advisory across MBMC School & Nav Yuvan Housing (EDGE Advanced)
- Climate-resilient, high-performance design integration

RECOGNITION

- IGBC Green Homes — Platinum (89/100), pre-certified
- IFC EDGE — Advanced, pre-certified
- Recommended by Prince Aly Khan Hospital & Aga Khan Agency for Habitat

Surat Van Foundation — Urban Forests at Scale

Mobilising citizens, corporates and students for urban forestry — turning a municipal dumping ground into a thriving Miyawaki forest legacy.



61,850+

trees across five urban forests

90+

native species · ~80% survival

8,500+

plantation participants

B Z C CONTRIBUTION

- Positioned nature-based solutions for climate adaptation & mitigation
- Measured carbon sequestration & soil health across five urban forests
- Documented biodiversity gains across 90+ native species
- Built digital platforms — website, campaigns and reports — to scale participation
- Much of the work delivered pro bono since 2023

RECOGNITION

- Flagship Althan site: a former municipal dumping ground, now 31,000+ trees
- Soil organic carbon raised from 0.37% to 0.95%
- Endorsed by the Municipal Commissioner & Chief Forest Officer

Showcase Infinity 3.0 — Carbon-Neutral, Net-Zero-Aligned Event

India's first-of-its-kind carbon-neutral exhibition, embedding sustainability into design, operations and legacy at the International Exhibition & Convention Centre.



30,704

attendees · 114 exhibitors

423.85

tCO₂e footprint (Scope 1–3)

1,000

native trees · ~500 tCO₂e offset

BZC CONTRIBUTION

- Developed a sustainable stall-design framework for 100+ exhibitors
- Net-zero aligned strategy across logistics, catering, operations and waste
- Designed a sustainability-based scoring and jury process for awards
- End-to-end carbon footprint assessment across Scope 1–3
- Afforestation offset partnership with Surat Van Foundation

RECOGNITION

- Verified as a net-zero aligned carbon-neutral event by BZC
- First-of-its-kind climate-neutral exhibition benchmark in India
- Replicable model for future industry events

Trusted to deliver measurable impact

1ST NET-ZERO IN GUJARAT · 27.5M L WATER SAVED

Their work made our office the first net-zero energy facility in Gujarat — third in India. BZC is an inspiration to architects, consultants and community.

Ashokbhai B. Mehta

Director, Shairu Gems Diamonds Pvt. Ltd. (De Beers Group Sightholder)

PARTNERSHIP SINCE 2018 · IGBC + LEED PLATINUM

Since 2018 they have guided us to IGBC Platinum, India's Best Factory award and LEED Platinum — and now toward Net Zero.

Priyansh Shah

Ankit Gems Pvt. Ltd. (De Beers Group Sightholder)

EDGE ADVANCED · MEASURABLE SAVINGS

Their auditing gave clear insight into energy, water and material efficiency — enabling measurable savings and EDGE Advanced certification.

Zubair Shaikh

Head – Infrastructure Development, Aga Khan Agency for Habitat (India)

IGBC PLATINUM + EDGE ADVANCED PRECERT

BZC pre-certified the Aga Hall Estate as IGBC Platinum and EDGE Advanced. We recommend them for green-building solutions.

Prince Aly Khan Hospital

Mumbai · Aga Hall Estate project

OUR ESTEEMED CLIENTS

A portfolio across sectors and continents

Our portfolio of key clients shaping responsible development across events, community, corporate, infrastructure, industry, residential, hospitality, healthcare, and education.



Collaborations, affiliations & memberships

We deliver alongside a global ecosystem of institutions, knowledge partners and accreditation bodies that strengthen the credibility and reach of our work.

Knowledge & Policy

IFC · WRI India · Mahindra Lifespaces · Alliance for an Energy Efficient Economy · Decarbonisation Business Charter

Community & Development

AKDN · Aga Khan Agency for Habitat · An Urban Forestation Initiative · Dbohra

Accreditation & Memberships

USGBC · IGBC · ISHRAE · Indian Institute of Architects · Indian Institute of Interior Designers



Proven record of being an industry pioneer

1st

Green SEZ certified in India — KASEZ, IGBC Platinum

1st

Carbon-Neutral diamond company in India — Shairu
Gems

1st

CII GreenCo Gold natural-diamond company in India

No.1

Greenest office in India — 92/100, Transit Electronics

No.1

Greenest individual home in India — 75/75, Nirant

1st

Net-Zero Energy industrial facility in Gujarat (3rd in India)

Award

IGBC Performance Challenge — Best Factory in India

Finalist

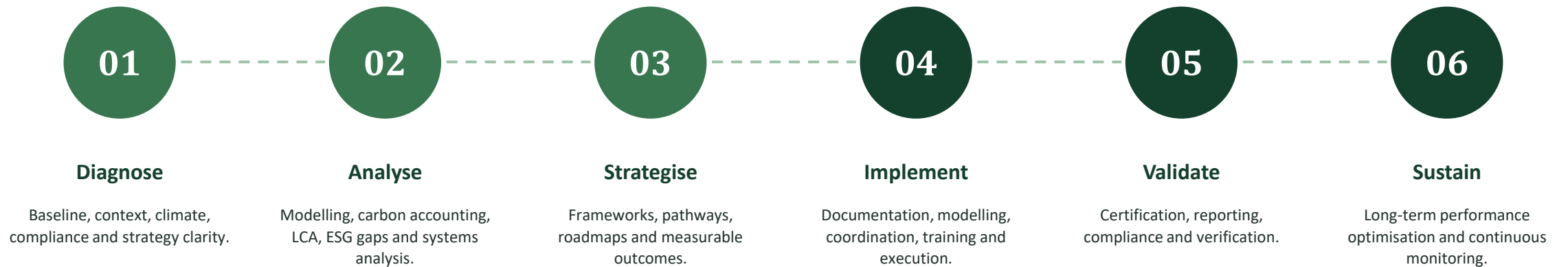
U.S. DOE Solar Decathlon 2023 — Education (Canada)

1st

Hospital in South Gujarat with IGBC Green certification

The BZC Way — from intention to impact

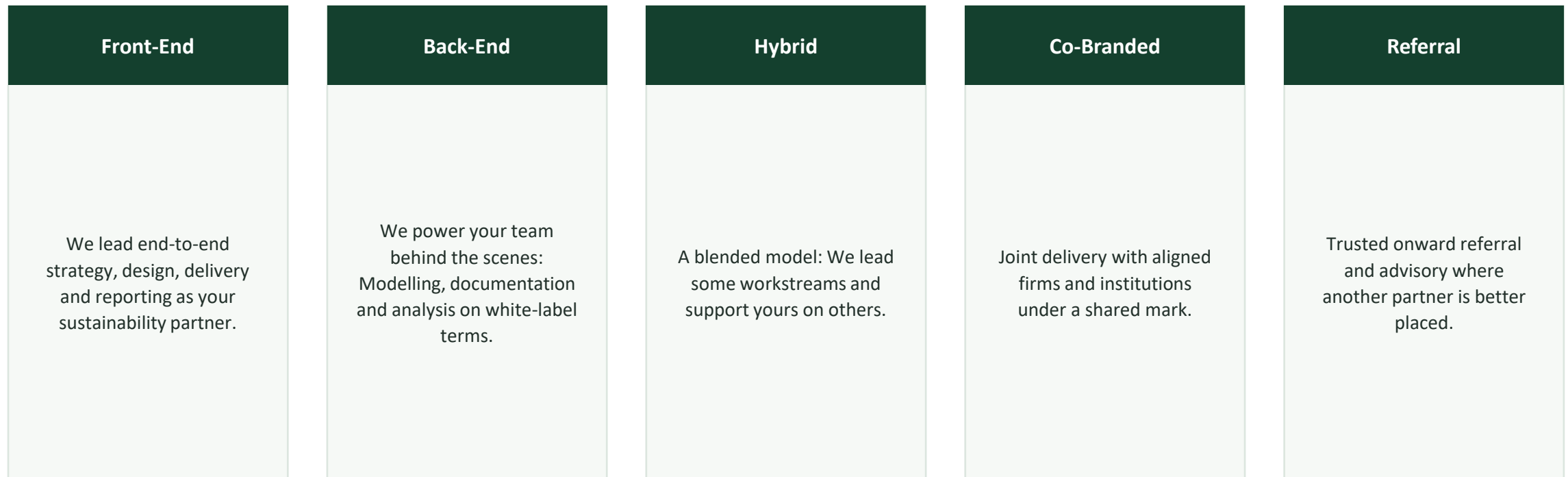
A disciplined, science-led methodology that bridges technical depth, global experience and integrated design.



PARTNERSHIP-READY Front-end · Back-end · Hybrid · Co-branded · Referral-based delivery models

Tailored Engagements, Built Around Your Needs

From full-service delivery to white-label support, we structure the relationship around your team, capacity and goals.





BUILDING **ZERO** CONSULTANTS

LET'S BEGIN AT ZERO

Start your sustainability journey from Zero.

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