

## OUR BACKSTORY

Founded in 2013, HiVAC began its journey as a contracting company featuring its in-house consulting division. Over time, this division has evolved into the independent entity we proudly present today ... CarbonCross.

Born out of a commitment to engineering best practices, CarbonCross specializes in providing comprehensive sustainability consultancy services. With a team of seasoned professionals and a wealth of worldwide experience, we tackle sustainability challenges, offering strategic insights and actionable plans.

Beyond our Sustainability focus, we are actively involved in providing MEP turn-key contracting and construction management services. With over a decade of hands-on experience, we prioritize delivering quality results while ensuring client satisfaction within budget and schedule constraints.

**CarbonCross**  
By **HiVAC**

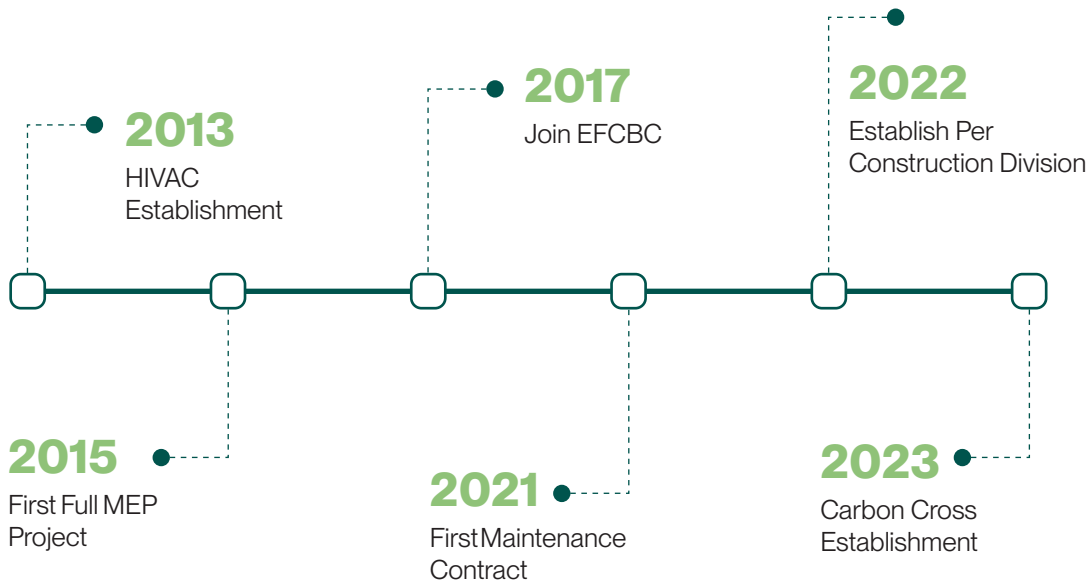


# PIONEERING TOMORROW

## Mission & Vision

**Our mission** is to deliver sustainable engineering and construction solutions focused on energy efficiency and eco-friendly environments. We utilize advanced technologies to create high-performance, low-impact structures.

Through energy audits, ESG reporting, and energy monitoring, we ensure transparency and continuous improvement. Our goal is to build a sustainable future, combining innovation with environmental stewardship.



# PIONEERING TOMORROW

## Our Vision

**Our Vision** extends beyond mere service provision; we **aspire** to be your committed business partner. We offer a forward-thinking perspective tailored to the unique needs of your project, **achieving** its ambitious goals, while infusing **resilience** into every endeavour.

We are dedicated to fostering long-term relationships built on trust, innovation, and excellence. By continuously evolving and adapting to industry advancements, we ensure that our solutions not only meet but exceed expectations, driving sustainable success for our clients and the communities we serve.



# SUSTAINABLE DEVELOPMENT GOALS

## How Genuine is Our Commitment to SDGs?

At CarbonCross, our journey aligns seamlessly with the United Nation's Sustainable Development Goals (SDGs), underscoring our strong commitment to global sustainability.

We're revolutionizing real estate by focusing on sustainability certifications to ensure our projects meet the highest standards. We offer real-time analytics and data visualization to help clients optimize energy usage.

Our initiatives aim to reduce both initial and ongoing carbon emissions, moving towards Net Zero Carbon for a sustainable future. Additionally, we partner strategically, integrating ESG reporting to promote transparency and accountability, aligning with global sustainability goals.

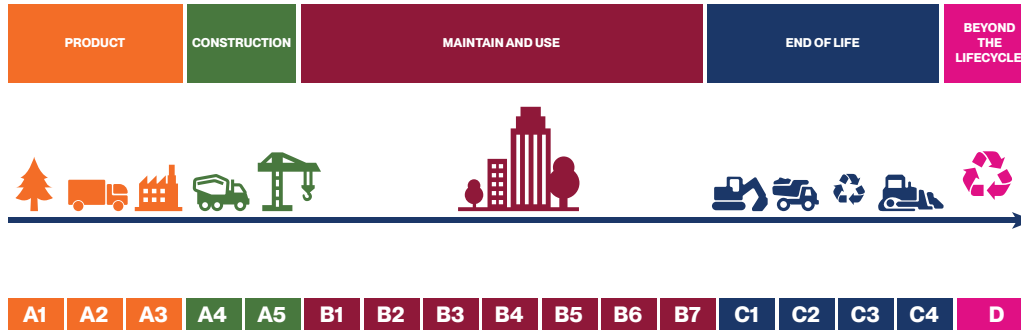


# EMPOWERING TOMORROW

## What is Net Zero Carbon (NZC)?

Put simply, net zero refers to the balance between the amount of greenhouse gas (GHG) that's produced and the amount that's removed from the atmosphere. It can be achieved through a combination of emission reduction and emission removal.

The goal of achieving Net Zero Carbon is crucial in the fight against climate change. Whether applied to organizations, industries, cities, or nations, it underscores a steadfast dedication to environmental sustainability and addressing human-induced climate impacts. Ultimately, it's a call to ***invest in sustainability.***

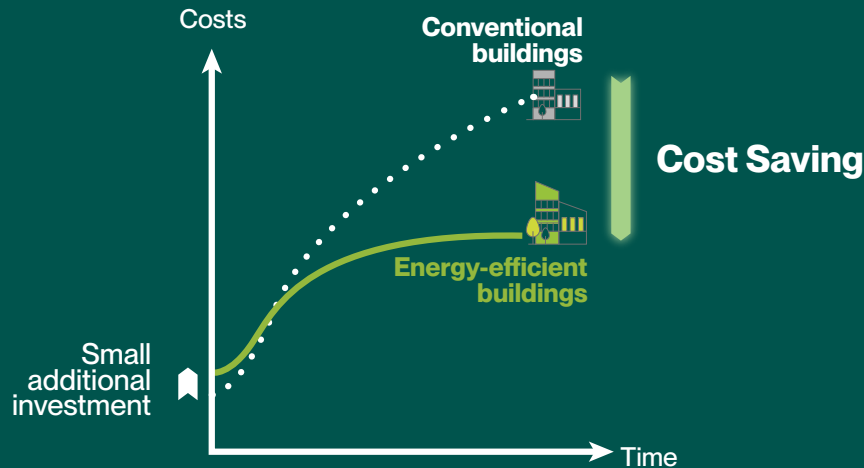


# EMPOWERING TOMORROW

## Why Invest in Sustainability?

Adopting sustainable practices not only aligns with ethical consumer preferences but also offers quick wins for clients through system optimization and retro-commissioning, providing significant savings with minimal costs. Further savings can be realized through the incorporation of active and passive design technologies.

Beyond immediate benefits, sustainability fosters trust, loyalty, and positions businesses as responsible contributors to global challenges like climate change. It is a forward-thinking investment that guarantees enduring relevance and adaptability in a constantly changing environment, achieved through Energy Audits.

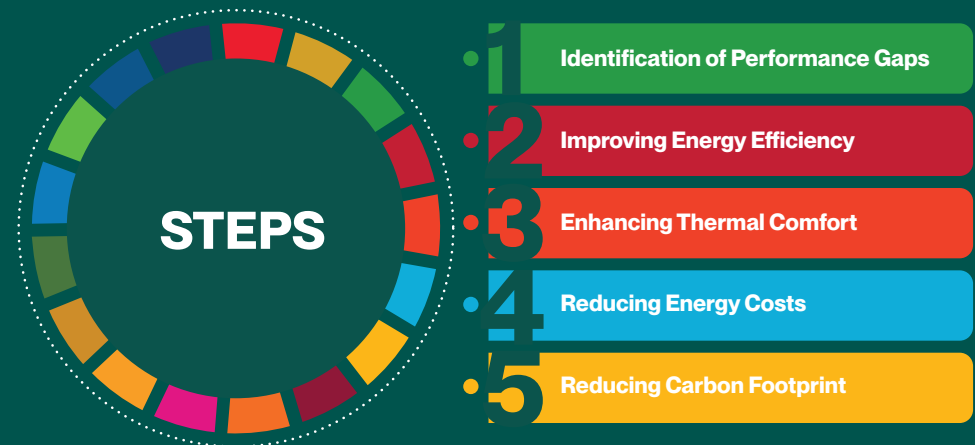




## How Energy Audits Can Be Beneficial?

The world's current focus on energy conservation emphasizes the essential role of energy auditing. It helps identify inefficiencies in buildings energy consumption, allowing for optimized operations.

Through prioritization of energy auditing for your building, you contribute to a significant reduction in carbon emissions and enhance energy efficiency, resulting in tangible savings on operational costs.



# ENERGY MONITORING & ANALYTICS

## How to Control Energy & Save Money?

In contrast to conventional design approaches, we steadfastly adhere to the Design-for-Performance (DfP) methodology in our real-time energy monitoring and dashboard analytics services.

This approach focuses on bridging the gap between as-designed and as-operated systems, ensuring optimal performance. This alignment translates into tangible benefits, prominently reducing operational expenses.

Key advantages also include:

- Precise Historical Comparisons
- Energy Intensity & Peak Demand Analysis
- Optimized Integration of Renewable Energy
- Minimized Carbon Emissions
- Improved Operational Efficiency
- Proactive Demand Response
- Swift Fault Detection and Diagnostics
- Substantial Cost Savings







## ESG REPORTING

### Towards Sustainable Accountability

Expanding the dashboard to cover a wider range of Environmental, Social, and Governance (ESG) scopes beyond energy is a strategic move that aligns with the growing importance of sustainability and responsible business practices.

#### This includes:

- 01. Regulatory Compliance:** with evolving regulatory CSR frameworks.
- 02. Materiality assessment:** guiding focused reporting and disclosure efforts.
- 03. Risk Mitigation:** reducing the likelihood of regulatory setbacks.
- 04. Transparency and Accountability:** by providing a clear view of a company's CSR practices.
- 05. Enhanced Reputation:** committing to responsible business conduct.

# OUR SERVICES

## Sustainability Division

Energy Monitoring for real-time insights, Dashboard Analytics for data-driven decision-making, and ESG Reporting for transparent assessments



Energy Monitoring



Dashboard Analytics



ESG Reporting



Operational Carbon



Embodied Carbon

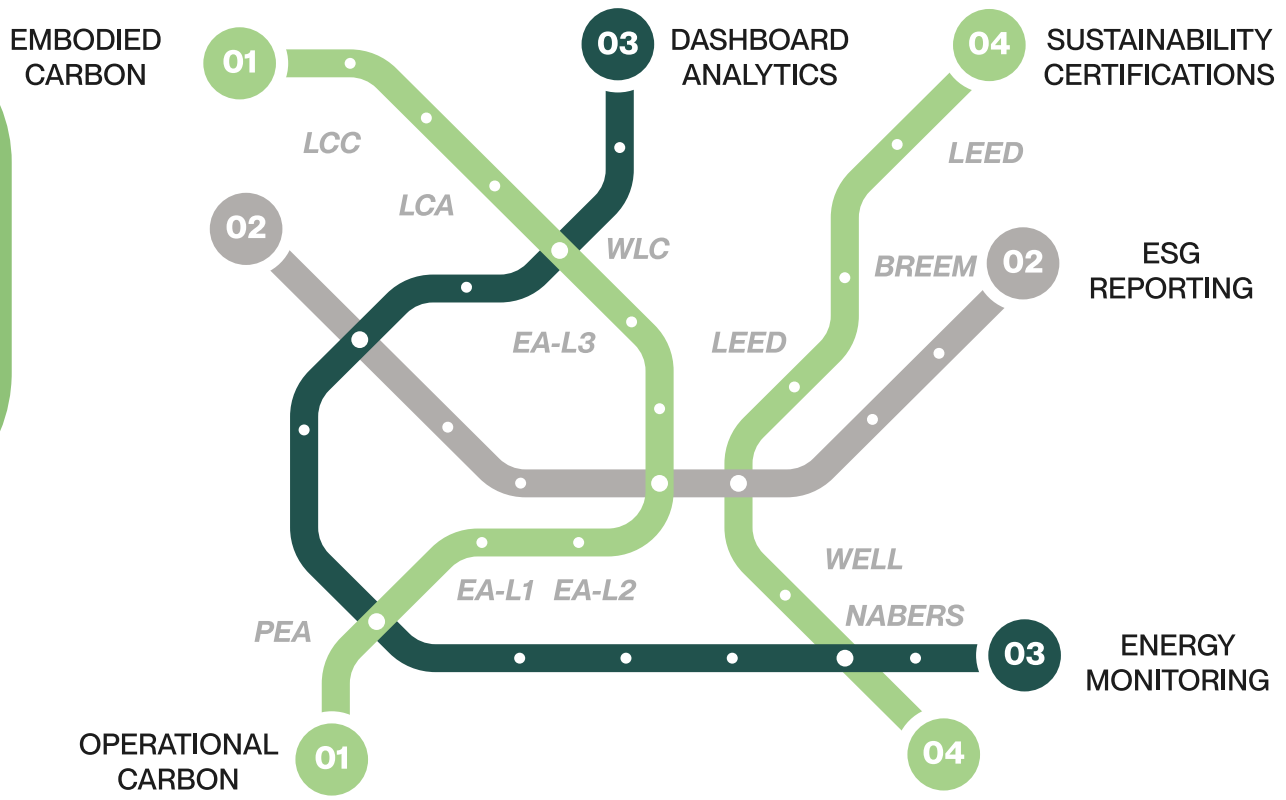


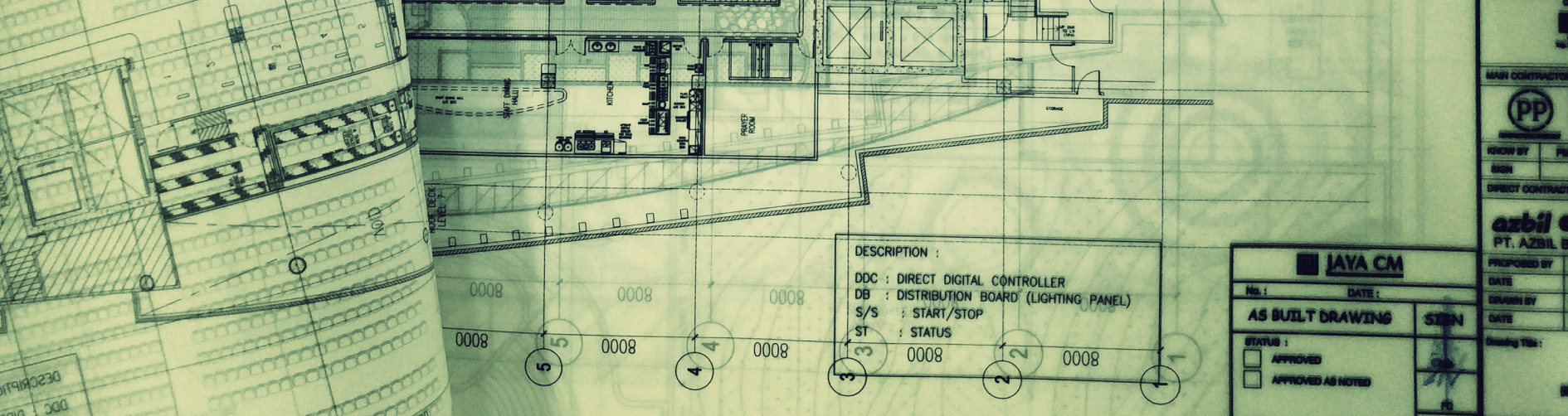
Sustainability Certifications





From assessing embodied and operational carbon footprints to navigating and securing sustainability certifications, we offer a one-stop solution for organizations committed to reducing their environmental impact and embracing a greener future.





## OUR EXTENDED CAPABILITIES

### Engineering Division

In pre-construction, we offer comprehensive services encompassing innovative designs, meticulous feasibility studies, precise budgeting, and expert consulting.

Our tailored approach ensures a solid foundation, providing clients with strategic insights and cost-effective solutions that set the stage for successful construction projects.

#### Services Include:



Full Design Package & Executive Shop Drawings



Projects Feasibility Studies



Thermal Comfort CIBSE TM52 / ASHRAE 55



Engineering Value



Natural Daylight & Dimming



Projects Cost Budgeting

# OUR EXTENDED CAPABILITIES

## Construction Division

Our Construction Sector services feature Full MEP Contracting, rigorous Implementation Auditing, and expert Construction Management.

With precision and expertise, we ensure seamless project execution, adhere to high-quality standards, and offer comprehensive solutions, meeting diverse construction needs while emphasizing efficiency and excellence in every aspect of the process.

### Services Include:



HVAC Contracting



Plumbing Contracting



Fire Fighting Contracting



Construction Auditing



Electrical Contracting



Construction Management



## EXEMPLARY SUCCESSES

### Snapshot of Our Key Projects



**Project:** As Salam  
International Hospital  
**Services:** HVAC  
Contracting



**Project :** Al Masa Hotel  
New Capital  
**Services:** HVAC  
Contracting



**Project:** Triumph Luxury  
Hotel  
**Services:** HVAC  
Contracting



**Project:** Kargo Mall Sheikh  
Zayed  
**Services:** Mechanical  
Design Package



**Project:** Majid Al Futtaim  
GS Office  
**Services:** Full MEP  
Contracting



**Project:** Giza Systems  
Factory Badr City  
**Services:** Fire Fighting  
Contracting



**Project:** Saint Gobain  
CHRYSO Factory  
**Services:** Mechanical  
Contracting



**Project:** NBE Bank Bourj  
El Gamaa Branch  
**Services:** Mechanical  
Design & Built



كايرو فستيفال سيتي مول  
Cairo Festival City Mall

**Project:** Cairo Festival City  
Networks  
**Services:** Maintenance  
Contract



**Project:** Al Futtaim CFC  
Mall Roof  
**Services:** HVAC Energy  
Optimization



**Project:** Egyptian Military  
Museum  
**Services:** HVAC  
Contracting



مول مصر  
Mall of Egypt

**Project:** Mall of Egypt Zone  
01 Retrofit  
**Services:** MEP  
Retrofitting



مول مصر  
Mall of Egypt

**Project:** Mall of Egypt  
Earthing System  
**Services:** Earthing  
system Optimization



**Project:** OLX Office – Giza  
System BLDG.  
**Services:** HVAC Energy  
Saving



**Project:** Zeina Tissue  
Products  
**Services:** Full MEP  
Contracting

Le MERIDIEN

**Project:** Le Meridien Hotel  
– Air Port  
**Services:** Electrical  
Contracting

## EXEMPLARY SUCCESSES

### Snapshot of Our Key Projects



**Project:** Almazá City Center Mall  
**Services:** MEP System Upgrade



**Project:** Almazá City Center Mall  
**Services:** BMS Optimization



**Project:** Almazá City Center Mall  
**Services:** MEP Retrofitting



**Project:** MCS Head Quarter Building  
**Services:** Mechanical Work Design & Built



**Project:** Optimize Water Treatment Sys.  
**Services:** Chilled Water Energy Saving



**Project:** Optimize Metering System  
**Services:** BMS System Upgrade



**Project:** Chilled Water Optimization  
**Services:** HVAC Station Upgrade



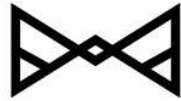
**Project:** Roof Insulation Pipes Renovations  
**Services:** Thermal Energy Saving





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**Project:** Separate CHW Connections  
**Services:** HVAC Energy Saving



LE MAITRE

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**Project :** Le Maitre Sodic Office  
**Services:** Mechanical Contracting



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**Project :** APSE Solutions Arkan Mall  
**Services:** Full MEP Contracting



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**Project:** Painting Cabinet Renovation  
**Services:** Engineering & Ventilation Strategy

crave®

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**Project:** Crave Central Kitchen 6th of October  
**Services:** Total Ventilation Strategy



DIMENSIONS™

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**Client:** Dimensions Head Office  
**Services:** Full MEP Contracting



MERNA MALL

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**Project:** Merna Mall New Cairo  
**Services:** Mechanical Contracting

SARAYA

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**Project:** El – Saraya Residential  
**Services:** MEP Energy Auditing

## EXEMPLARY SUCCESSES

### Snapshot of Our Key Projects



**Project:** Dukes  
New Cairo Branch  
**Services:** Design & Built  
Mechanical Work



**Project:** CIB Bank – New  
Cairo Branch  
**Services:** Mechanical  
Contracting



**Project:** EBE Bank  
Tanta Branch  
**Services:** Electrical  
Contracting



**Project:** HD Bank  
Damietta Branch  
**Services:** Electrical  
Contracting



**Project:** Suez Canal Bank  
New Capital  
**Services:** Mechanical  
Contracting



**Project:** Ministry of  
Trade & Industry  
**Services:** HVAC  
Contracting



**Project:** Novartis Factory  
El Amerya  
**Services:** Clean Room  
Design & Built



**Project:** Clinilab New  
Maadi Branch  
**Services:** Clean Room  
Design & Built



**Project:** Groovy Medical Care  
**Services:** Full MEP Contracting



**Project :** Al Mokhtabar New Cairo Branch  
**Services:** Full MEP Contracting



POINT 16

**Client:** Point 16 Mall  
Damascus Syria  
**Services:** Full MEP Design Package



**Project:** Al Ahly Club  
Nasr City  
**Services:** HVAC Contracting



**Project:** Stadium Point 90 Mall  
**Services:** Mechanical Contracting



**Project:** Optimum Consultants Office  
**Services:** Full MEP Contracting



**Project:** El-Sagher Salon Fairmount Branch  
**Services:** Mechanical Contracting



**Project:** El-Sagher Salon Marassi Bay Branch  
**Services:** Mechanical Contracting



**ARE YOU  
LOSING MONEY?**

## CONTACT US

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