



IMPACT REPORT

2022

Content Index

Page

iii Letter To Our Stakeholders

iv About This Report

1 Company Profile

2 Vision & Mission

3 Services Overview

5 The Management Team

6 2022 Highlights

7 Our Environmental Impact

8 Our Social Impact

9 The UN SDGs

Page

10 A Sustainable Economy

11 2022 Carbon Footprint

12 The GHG Protocol

13 Methodology

15 Boundaries

16 Emission Sources

18 Emission Breakdown

19 Memberships

20 Looking Ahead

"At elementsix, we're not just consultants;
we're custodians of our planet's future.
Together, with our clients and partners, we
shape a sustainable tomorrow, one low-
carbon solution at a time."



Letter To Our Stakeholders

As we approach the conclusion of our second year in operation, we take a moment to review our achievements in this, our annual sustainability report. It has been an exhilarating year filled with growth, welcoming new clients, embarking on exciting projects, and embracing exceptional new partnerships.

Our overarching mission is to be a force for good, leaving a positive imprint on the communities we serve, the economy we contribute to, and the environment we cherish. This principle forms the bedrock of our relationships with clients, employees, partners, and suppliers.

We extend our heartfelt gratitude for your steadfast support, and we invite you to delve into the insights and progress outlined in our 2022 report. Your partnership and interest are instrumental in our journey toward a sustainable and impactful future.



Dahlia Haleem & Amer Arafat
Co-Founders - elementsix

About This Report

This report has been prepared with guidance from the following globally recognised standards and frameworks:

- SASB Professional and Commercial Services Sustainability Accounting Standard
- The GHG Protocol
- The Global Reporting Initiative

The reporting period is elementsix's first year of operations, from July 2022 to June 2023.

For any information on this report, please contact elementsix on info@element6.cc.



Company Profile

Headquartered in Dubai, elementsix is an advisory firm specializing in comprehensive sustainability and carbon reduction solutions, fostering resilience against climate-related risks.

Established in 2021, our mission is to assist clients in meeting their carbon emission reduction goals through the implementation of globally recognized initiatives, frameworks, and strategies.

Through our dedicated collaboration with clients in carbon mitigation, elementsix actively contributes to the economic prosperity and environmental sustainability of the UAE and the wider region.

We strive to demonstrate to businesses that achieving sustainability alongside profitability is feasible at any scale. Our focus on emissions reduction directly translates to decreased operational costs.

elementsix advocates for intelligent, innovative, and adaptable solutions that yield enduring sustainability outcomes. We firmly believe that the conservation of nature can coexist harmoniously with the pursuits of even the most profit-oriented enterprises. This approach can enhance social security, generate employment opportunities, inspire investor trust, and enhance overall financial performance.

Our core principle is rooted in promoting the prudent and conscientious use of resources, serving as a guiding ethos in our endeavors at elementsix

Vision & Mission



“

Our vision is to help our clients reduce avoidable emissions, and add tangible value to the economy by optimising their business efficiency and improving their impact on the environment.

Our mission is to support businesses to deliver on the triple bottom line; preserving natural resources while boosting profitability and attracting and retaining the best talent.

”

Service Overview

Central to our approach is the foundational principle of causing no harm. Our activities encompass consultation, advice, project implementation, and execution, all geared towards enhancing the environmental performance of our clients.

Recognizing that emission reduction is an ongoing journey, we advocate a comprehensive "measure, reduce, offset, and disclose" strategy to diminish any adverse impacts. We assist clients in quantifying their environmental footprint, establishing targets, and formulating plans to minimize their impact to the utmost extent.

Among our solutions are:

Carbon Accounting

Greenhouse Gas (GHG) accounting or inventorying is the process by which an organisation can quantify its carbon emissions either from a corporate level (the carbon emitted from the general operation of the company) or on a product level (the emissions produced from manufacturing a product). Using the GHG Protocol, IPCC Guidelines, ISO 14064 and PAS 2050 standards, elementsix will identify emission sources within your organisational and operational boundaries. The emissions, measured in tonnes of CO₂ equivalent (tCO₂e), are calculated using emission factors to give a total carbon footprint. Some organisations end the process here, using this as a baseline upon which to measure improvement in the coming years. But for many, it is the starting point of a carbon neutral roadmap or strategy. Carbon, or GHG, accounting is the first necessary step in any carbon management plan (CMP).

Emission Reduction Projects

Emission Reduction projects are those projects that are registered with a certified mechanism, that avoid or sequester carbon dioxide from the atmosphere. Projects include renewable energy and energy efficiency activities. Emission reductions from these projects are traded on the carbon markets and can account for an organisations offsets of their unavoidable emissions. Our partners have years of experience in designing and developing emission reduction projects against all of the recognised standards and mechanisms around the world (VCS, GCC, GS) for both the voluntary and compliance markets.

Environmental Commodities

Environmental commodities are a class of commodities that take the form of non-tangible energy credits. The value of these credits derives from the needs of market participants to produce and consume cleaner forms of energy. elementsix helps connect buyers and sellers of environmental attribute credits across the globe. These include carbon emission allowances and renewable energy certificates. We provide the advisory services required to buy, sell, trade and redeem these certificates in the different markets. These environmental commodities allow you to make genuine claims like “Our company runs entirely on renewable energy”, “Our factory is carbon neutral” or “Our products are made with 100% solar energy”. With their long experience in these markets, the people at elementsix will provide you with the best quality commodities that match your needs.

Advisory Services

Development of strategies and targets to reduce emissions, training to build capacity within the organisation, and cost-benefit analyses of abatement activities, are just a few examples of the consultancy work that elementsix undertakes. Within the fields of emission reductions, ESG and carbon management, elementsix offers advisory and consultancy services on any number of topics across all sectors.

Management Team

Amer Arafat

Amer Arafat, co-founder and partner at elementsix, brings more than 15 years of experience in sustainability and carbon management. Amer's experience was gained in different jurisdictions in the Middle East, Africa and Southeast Asia. With a degree in Mechatronics Engineering, Amer is also certified in energy management, renewable energy, measurement and verification and project management. His extensive experience revolves around greenhouse gas accounting, carbon markets, development of GHG emission reduction projects, emissions trading and project management.



Dahlia Haleem

Dahlia Haleem, co-founder and partner at elementsix, is an emission reduction expert with a strong background in physics and engineering. She has over 15 years of valuable experience in project management, strategic advisory, sustainability and carbon management. Her diverse client portfolio has spanned the MENA and APAC regions. Her extensive experience is focused on managing certified emission reduction projects, carbon abatement and offsetting strategies, corporate sustainability planning, GRI-compliant sustainability reporting, and ESG strategies.



2022 Highlights



ZERO

paper
business.

Paperless
contracts policy



100

trees
planted in
the
Philippines

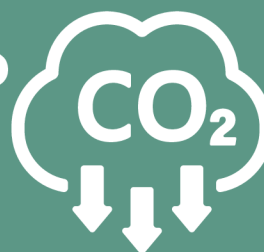


50%

board seats
occupied by
women

100%

commitment to low
carbon business
model and offsetting
unavoidable
emissions



WFH

flexible working
hours & locations
for a happier,
lower emission
workforce



ZERO

gender pay gap.
Equal pay for
equal work
policy

Environmental Impact

Every business operation, whether direct or indirect, has an ecological footprint. At elementsix, we strive to minimize our emissions, thus lessening our negative environmental impact. To achieve this, we have implemented several initiatives, including:

001



Virtual Meetings

elementsix commits to holding as many client and team meetings as possible, virtually, to limit the emissions associated with business travel and commuting.

002



Paperless Office

elementsix has committed to being a completely paperless office. We use digital contracts, invoicing, payroll and reporting.

003



Renewable Energy

elementsix purchases 100% of its energy from renewable energy sources in the UAE, through the International Renewable Energy Certificates (I-RECs) Standard.

Social Impact

elementsix endeavors to advocate for business practices and policies that foster positive social impacts on both our employees and the wider society. We fulfill our corporate social responsibilities by prioritizing favorable working conditions and actively participating in humanitarian aid.

001



Employee Wellbeing

elementsix puts employee happiness and wellbeing at the forefront of its priorities. Continuous wellness check-ins, and anonymous grievance mechanism are implemented to improve employee wellbeing.

002



Flexible Work Hours and Location

elementsix offers all employees flexible working hours and location, prioritising the comfort and wellbeing of its workforce and promoting a low carbon model of operating.

The UN SDGs



At elementsix, we are dedicated to upholding the United Nations' Sustainable Development Goals (SDGs), tackling the diverse environmental, social, and economic challenges facing humanity.

As proponents of SDG 7 (Affordable and Clean Energy) and SDG 13 (Climate Action), we prioritize the advancement of local solar projects, striving to combat climate change and its consequences. Furthermore, our commitment to SDG 12 (Responsible Consumption and Production) is demonstrated through our paperless operations and complete elimination of single-use plastics. We are equally committed to advancing SDG 5 (Gender Equality), with women holding 50% of our board seats and zero gender pay-gap across all levels of employment.

By aligning with the objectives of SDG 11 (Sustainable Cities and Communities), we actively contribute to the UAE's Net Zero 2050 initiative, facilitating the transformation of our city into a sustainable hub. Our ultimate goal is to bridge the gap between resilience and sustainability, facilitating corporate strategies that address the urgent needs of contemporary society.



A Sustainable Economy

Since endorsing the Paris Agreement in 2016, the United Arab Emirates (UAE) has consistently prioritized sustainability and a green economy within its overarching strategy. Over the years, the country has implemented various mandates, initiatives, and visions, all aimed at realizing a more environmentally friendly, lower-emission, and sustainable economy.

As the UAE gears up to host the 28th Conference of the Parties (COP28) to the United Nations Framework Convention on Climate Change, the anticipation is palpable. Against the backdrop of the nation's steadfast dedication to sustainability and environmental stewardship, COP28 is poised to emerge as a pivotal platform. It will bring together global leaders, policymakers, and stakeholders to propel the discourse on climate action forward. With the UAE's ambitious agenda focused on facilitating dialogue and fostering tangible progress, COP28 is anticipated to spark innovative solutions and strategies to address the urgent challenges posed by climate change.

elementsix actively supports the UAE's endeavor to transition to a greener and more sustainable economy. This support is manifested through assisting local businesses in minimizing their environmental impact and adhering to the lowest carbon business model in our own operations.



2022 Carbon Footprint

An Overview

Conducting a carbon footprint is important for organizations as it helps to understand their impact on the environment and allows for the development of strategies to reduce their carbon emissions. The proactive approach to address climate change and enhance sustainability not only benefits the environment but also contributes positively to the organization's overall business outlook.

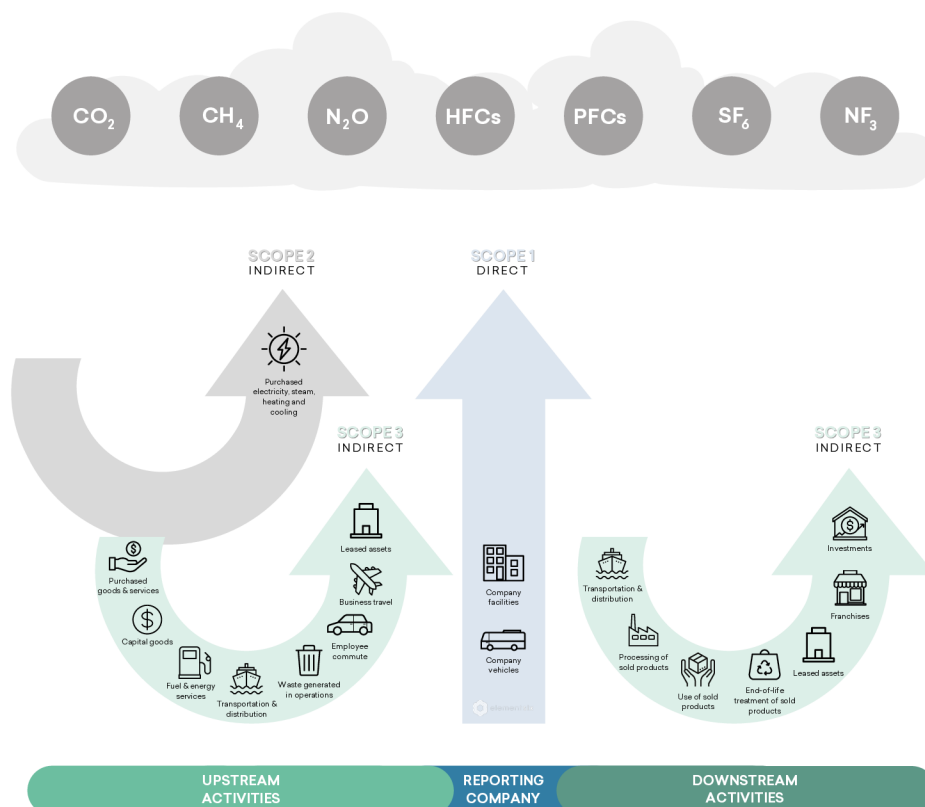
As a company dedicated to carbon mitigation and environmental sustainability, we have a commitment to annually calculate and disclose our carbon footprint. The carbon inventory presented in this report adheres to the GHG Protocol, recognized as the world's most widely used greenhouse gas accounting standards. This protocol offers a structured framework for businesses and governments to measure and report their greenhouse gas emissions, ensuring alignment with their missions and goals.

For the current reporting period, our total emissions were calculated at 3,265.72 kgCO₂e with 53% of these emissions stemming from energy consumption associated with remote working. This information underscores our commitment to transparency and provides valuable insights into the specific sources of our environmental impact.

The GHG Protocol

The Greenhouse Gas Protocol (GHGP) establishes standards, guidance, tools and training for business and government to measure and manage climate-warming emissions.

The GHGP is a widely recognized and internationally accepted accounting framework for measuring and managing GHG emissions. Developed by the World Resources Institute (WRI) and the World Business Council for Sustainable Development (WBCSD), the GHGP provides guidelines for organizations to quantify and report their GHG emissions from various sources, including direct and indirect emissions. It consists of three distinct scopes: Scope 1 covers direct emissions from owned or controlled sources, Scope 2 includes indirect emissions from purchased energy e.g. electricity, heating and cooling, and Scope 3 covers other indirect emissions such as those from supply chains, employee commuting, and waste disposal. The GHGP assists organizations in identifying emission sources, setting reduction targets, and implementing strategies to mitigate their impact on climate change. Its adoption allows for standardized and transparent reporting, facilitating comparisons and enabling informed decision-making to address climate challenges effectively.



Methodology

A carbon accounting methodology provides an approach mechanism and lays down guidelines for successfully calculating the carbon footprint for an organization. Highlighted below is the step-wise approach for accounting for our operational carbon footprint established in line with the GHGP.

01

BOUNDARY SETTING

Establishing operational and organizational boundaries for our various operations. It aids in identifying activities that would be included in the calculations of the overall carbon footprint.

02

IDENTIFICATION OF EMISSION SOURCES

Once boundaries for our different operations are set, the next step was to characterize potential emission sources as per the 3 scopes defined by the GHGP.

03

DATA COLLECTION AND QUALITY CHECK

After the identification of potential emission sources, our staff was tasked with providing data related to each identified emission source. Subsequently, the data underwent additional verification.

04

QUANTIFICATION OF EMISSIONS

The quantification of emissions was conducted in strict adherence to the GHGP and utilizing the most current and relevant country-specific emission factors available.

05

REPORTING

Following the conclusion of emission calculations, elementsix's carbon footprint was incorporated into the impact report. This section provides specific details on various emissions and their corresponding impacts.

Methodology

As per the GHGP, the GHG emissions are defined as the product of activity (i.e. emission source) with its specific emission factors as depicted below:

$$GHG\ Emission = Activity\ Data \times Emission\ Factor \times GWP$$

The process begins by gathering Activity Data, which represents the quantity of a specific activity generating GHG emissions, such as fuel consumption, electricity usage, or industrial processes.

Secondly, the Emission Factor is applied, quantifying the average GHG emissions per unit of the Activity Data. This factor varies depending on factors like fuel type, technology used, or process efficiency, providing insights into the emissions intensity of the particular activity.

Finally, the Global Warming Potential (GWP) is taken into account. GWP measures how much a greenhouse gas contributes to global warming over a specific timeframe, typically expressed as a factor relative to CO₂. This allows for comparisons of the environmental impact of different GHGs.

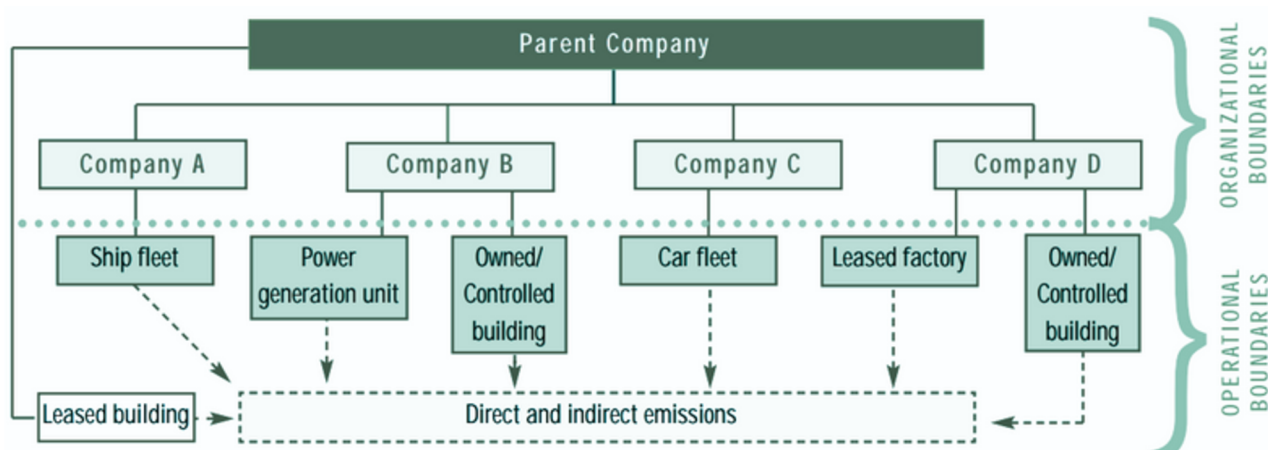
By systematically multiplying these components, our carbon emission were accurately assessed along with its environmental impact. This data plays a pivotal role in formulating effective climate strategies, establishing emission reduction targets, and working towards a sustainable, low-carbon future.

Boundaries

The selection of a suitable inventory boundary for GHG accounting is crucial in capturing the essence and economic perspective of a business. The boundary must take into account several crucial factors such as:

- **Organizational Framework:** This encompasses control (operational and financial), ownership, legal arrangements, joint ventures, and others.
- **Operational Limits:** The scope covers on-site and off-site operations, processes, services, and consequences.

To guarantee successful GHG management, defining operational limits that are comprehensive and encompass direct and indirect emissions helps a company to better understand the GHG risks and opportunities along its value chain. Our organizational boundary and corresponding emissions are determined through a consolidation approach. The illustration below shows the relationship between the organizational and operational boundaries of a company.



Emission Sources

After characterising the emission sources as per the GHG Protocol, we identified the potential emission leaks based on our activities. Provided below is a breakdown of our established emission sources and the scope under which they fall:

SCOPE	DEFINITION	INCLUDED EMISSION SOURCES
Scope 1	Emission from company facilities and fleet	N/A
Scope 2	Purchased electricity, cooling, and heating	N/A
Scope 3	Upstream Leased Assets	Operation of assets that are leased by the company, estimated as energy consumed using our company's share of the building's total floor space and total building energy use
	Purchased Goods	Company t-shirts and internet services
	Employee Commuting	Employee journey to and from work and remote working
	Business Travel	Employee travel for business purposes

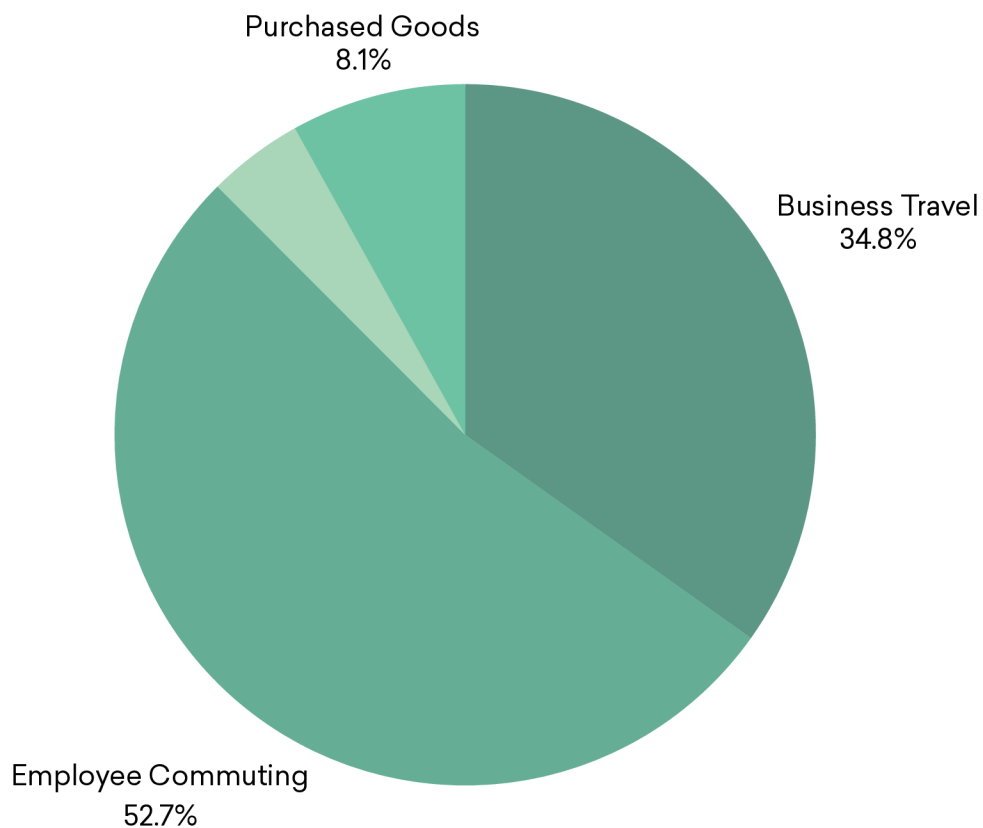
Emission Sources

SCOPE	DEFINITION	INCLUDED EMISSION SOURCES
Scope 3	Capital Goods	N/A
	Fuel-and Energy- Related Activities	N/A
	Upstream Transportation and Distribution	N/A
	Waste Generated in Operations	N/A
	Downstream Transportation and Distribution	N/A
	Processing of Sold Products	N/A
	Use of Sold Products	N/A
	End-of-Life Treatment of Sold Products	N/A
	Downstream Leased Assets	N/A
	Franchises	N/A
	Investment	N/A

Emissions Breakdown

Our total emissions for the reporting period were calculated to be 3,265.72 kgCO₂e.

As we do not contribute towards scope 1 and scope 2 emissions, all our emissions stem from scope 3 emission sources. The breakdown of the scope 3 emissions is shown in the chart below. As we have adopted a work from home model, most of our emissions fall under Employee Commuting where we have calculated the amount of energy used from teleworking.



Memberships

As of July 2022, elementsix has been accepted as a Participant of the United Nations Global Compact.

The United Nations Global Compact is a voluntary pact to encourage businesses and firms worldwide to adopt sustainable and socially responsible policies, and to report on their implementation. It is a principle-based framework for businesses, stating ten principles in the areas of human rights, labour, the environment and anti-corruption and is now the world's largest corporate sustainability initiative with 13000 corporate participants over 170 countries.

The Ten Principles of the United Nations Global Compact are derived from: the Universal Declaration of Human Rights, the International Labour Organisation's Declaration on Fundamental Principles and Rights at Work, the Rio Declaration on Environment and Development, and the United Nations Convention Against Corruption. elementsix adheres to the framework in the following ways:

Human Rights	Labour Standards	Environment	Anti-Corruption
No religion, marital status, or orientation questions when hiring	Flexible working hours and location	100% renewable energy consumption	Client due-diligence prior to engaging
Supplier and vendor due diligence against forced and child labour	Zero gender pay gap	Work from home policy for minimal commuting	Voluntary annual financial audit
	50% board occupied by women	Paperless business	

Looking Ahead

As we embark on our third year of operations, our commitment to mitigating negative impacts within our control remains unwavering. We will persist in maintaining a flexible work location and minimizing face-to-face meetings to reduce emissions associated with employee commuting and business travel. Exploring the use of green servers to host our website reflects our dedication to ensuring it operates on a platform powered entirely by clean energy. Our people-centric approach remains a cornerstone; recognizing that content and satisfied consultants contribute to optimal outcomes, we will continue regular check-ins, provide anonymous channels for issue reporting, and afford our team the autonomy to produce their best work at their most productive times.

Enhancing due diligence on projects, clients, and partners aligns with our goal of upholding a high standard of integrity, fostering the same ethos within our community. Our commitment is to outperform our previous efforts, fostering continual learning, growth, and making a positive impact on both our environment and community.

Thank You



element**six**

elementsix
DTEC | TechnoHub
Building 1

Dubai Silicon Oasis
Dubai, UAE

www.element6.cc
info@element6.cc



[company/elementsix/](https://www.linkedin.com/company/elementsix/)