



# NGC Group Vendor Forum 2021



THE NGC GROUP OF COMPANIES



# NGC Group Vendor Forum 2021

Agenda - 21st October, 2021

*Green Agenda, Sustainability, Building Local Content*

TOPICS	PRESENTERS	PORTFOLIO	TIME
Safety Moment	Giselle Grannum - Modeste	Senior Specialist Health and Sustainability, PPGPL	9:00 am - 9:05 am
COVID-19 Protocols for Contractors	Annisa Bisnath	Occupational Health Nurse, NGC	9:05 am - 9:15 am
Opening Remarks	Mark Loquan	President, NGC	9:15 am - 9:25 am
Sustainability	Mario Singh	Assistant Manager, Sustainability, NGC	9:25 am - 9:35 am
Future of Work	Valarie Walters	Assistant Manager, OD, Performance and Training, NGC	9:35 am - 9:45 am
Integrating Environmental Sustainability within the HSE Prequalification and Supplier Management Processes.	Abiola Mc Cree	HSE Advisor, HSE Operations and Emergency Response, NGC	9:45 am - 9:55 am
<b>BREAK</b>			<b>9:55 am - 10:05 am</b>
OPR Prequalification Process for Vendors	Aleem Baksh	Head ICT, The Office of Procurement Regulation	10:05 am - 10:25 am
Upcoming Projects - NGC Group of Companies	Winston Mohammed	Senior Manager, Projects, NGC	10:25 am - 10:35 am
<b>QUESTIONS</b>			<b>10:35 am - 11:15 am</b>
Vote of Thanks	Kurt Scotland	Senior Manager, Supply Chain Management, NGC	11:15 am - 11:30 am







**THE NATIONAL GAS COMPANY  
OF TRINIDAD AND TOBAGO LIMITED**



# SAFETY MOMENT



PHOENIX PARK  
GAS PROCESSORS LIMITED



LA BREA INDUSTRIAL  
DEVELOPMENT COMPANY LIMITED



Trinidad and Tobago NGL Limited



NGC CNG  
Company Limited



NATIONAL ENERGY  
CORPORATION OF TRINIDAD AND TOBAGO

MEMBERS OF THE NGC GROUP OF COMPANIES





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# INFECTIOUS DISEASE

## COVID-19 REQUIREMENTS



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## INFECTIOUS DISEASE AND COVID 19 RESPONSE

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- Evidence of the arrangements implemented for managing the exposure to Covid-19 and other infectious or communicable diseases through
  - The Occupational Risk Assessment identifying infectious disease and Covid-19.
  - An Emergency Response Plan to address response to the exposure and case management process
- Evidence of Plans being communicated to all staff.



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# ADDITIONAL COVID REQUIREMENTS FOR NEW CONTRACTS

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- Within seven (7) days prior to start of work a negative Reverse-Transcriptase Polymerase Chain Reaction (RT-PCR) .
- A negative antigen test every 7 days thereafter.





# HEALTH STATUS

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- Prior to the assumption/resumption of work on NGC Group sites
  - Official communication to NGC of any infected person, COVID 19 positive or contact cases within the previous 28 days.
  - Relevant clearance documents (dictated on a case-by-case basis)
  - If COVID positive, a negative PCR after quarantine period is required.
- The NGC's Coronavirus Screening Questionnaire/Health Declaration Form must also be completed upon resumption/assumption of work and within stipulated cycles thereafter, i.e., **24 hours before the 1st and 15th of each month.**



# VACCINATION

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- A report of the vaccination status of all personnel assigned to work at NGC sites. This is already covered in the health declaration form.
- In the future, immunizations cards can be requested based on a company's position in alignment with industry standards and or legal requirements.

## N.B.

- This requirement does not infer that NGC Group is mandating that the Contractor's personnel **MUST** be vaccinated.
- Personnel who have been vaccinated against COVID-19 must still submit RT-PCR or Antigen test results unless advised further.





## ON SITE RESPONSIBILITIES

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- Inform NGC's Group Point of Contact Person/Occupational Nurse of
  - Any person falling ill while on the facilities immediately.
  - Of any person who develop signs of an infectious or communicable disease inclusive of flu like symptoms within 48 hours before visiting any NGC site.

**\*\*Case Management will be applied.**



## CURRENT PRACTICES – Testing/Vaccination

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- **PPGPL**

- Antigen testing every 3 days.
- Pre-qualified contractors were informed that a mandatory vaccination policy was going to be enforced with effect from 01 October 2021 (i.e. all prequalified contractors must be fully vaccinated in order to gain access to PPGPL facilities).

- **NGC Control Room Entry**

- Antigen testing weekly.





## IMPORTANT NOTES

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- **TESTING**

- All PCR testing must be done by an accredited laboratory recognized by the Ministry of Health.
- All antigen testing must be done by an accredited laboratory utilizing a World Health Organization testing kit.

- **REFUSAL**

- No testing means no entry.
- Lack of documentation or failure to produce appropriate documentation will result in no entry.



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# Opening Remarks

Mr. Mark Loquan – President NGC



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# Diversifying Energy:

## Green Agenda, Sustainability, Building Local Content

Mark Loquan, President NGC

NGC's Vendor Forum- 21 October 2021



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## Contents

- 1 Why is change needed?
- 2 NGC's transformation towards sustainability
- 3 Our Green Agenda
- 4 Potential areas of synergy

# Global Market Outlook

In the drive to reduce carbon emissions, there is a Global move from Fossil fuels as the primary energy source to cleaner fuel sources including gas.

Production Driven

Market Driven

Fossil Fuel Energy

Clean Energy/Renewables/Energy Efficiency

Increased levels of GHG emissions

Carbon Neutral World

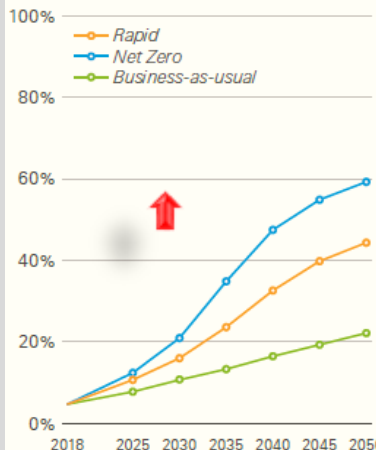
## Primary Energy Mix

Renewables	↑	Incr. to 20 - 60%
Hydrocarbon	↓	From 85% in 2018 to 70-20% by 2050

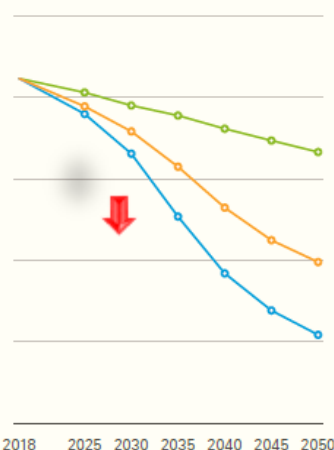
A transition to a lower carbon energy system is likely to lead to fundamental restructuring of the global energy system, with a more diverse energy mix...

### Shares of primary energy

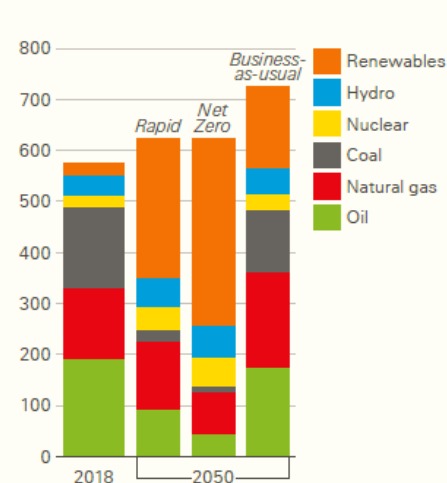
#### Renewables



#### Hydrocarbons

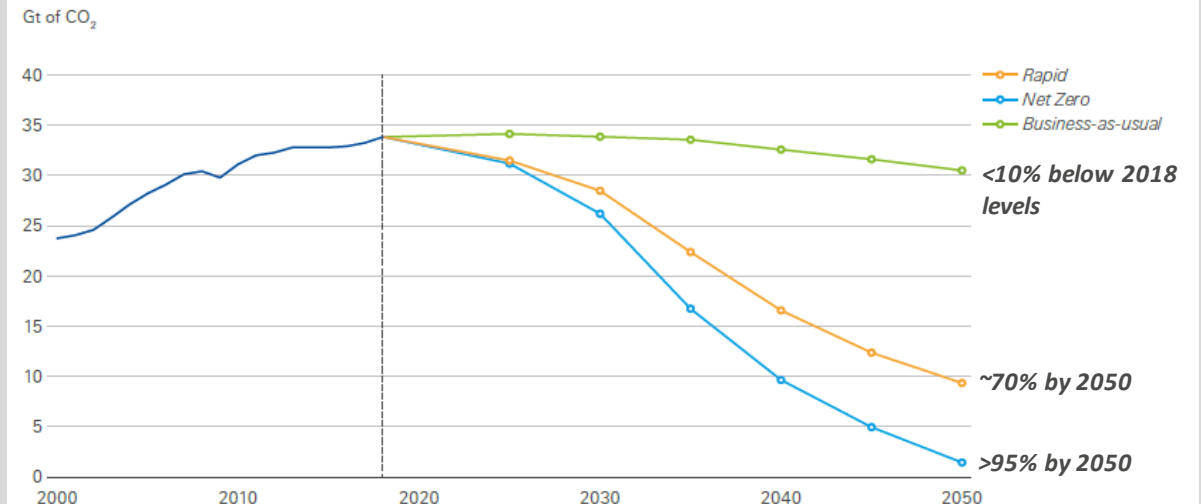


### Primary energy consumption by source EJ



The transition to a lower carbon energy system in the Rapid Scenario leads to a fundamental restructuring and reshaping of the global energy system.

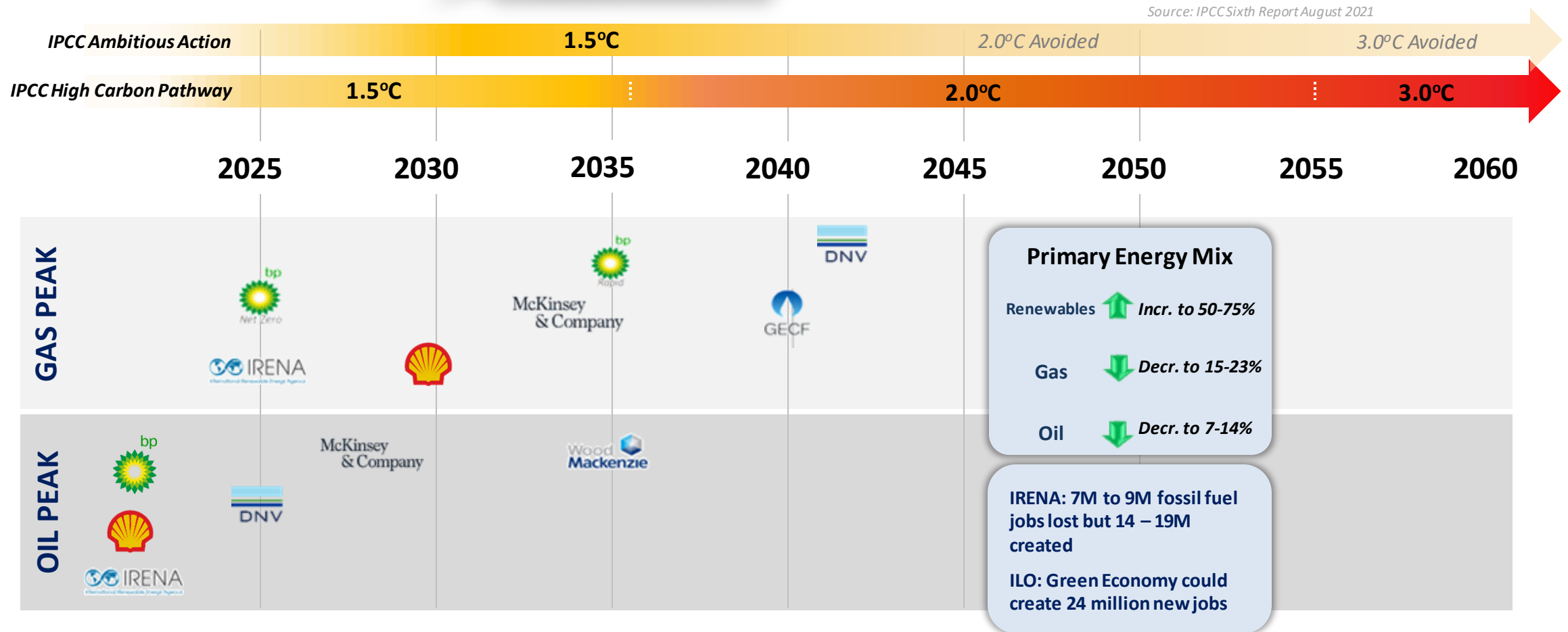
### CO<sub>2</sub> emissions from energy use





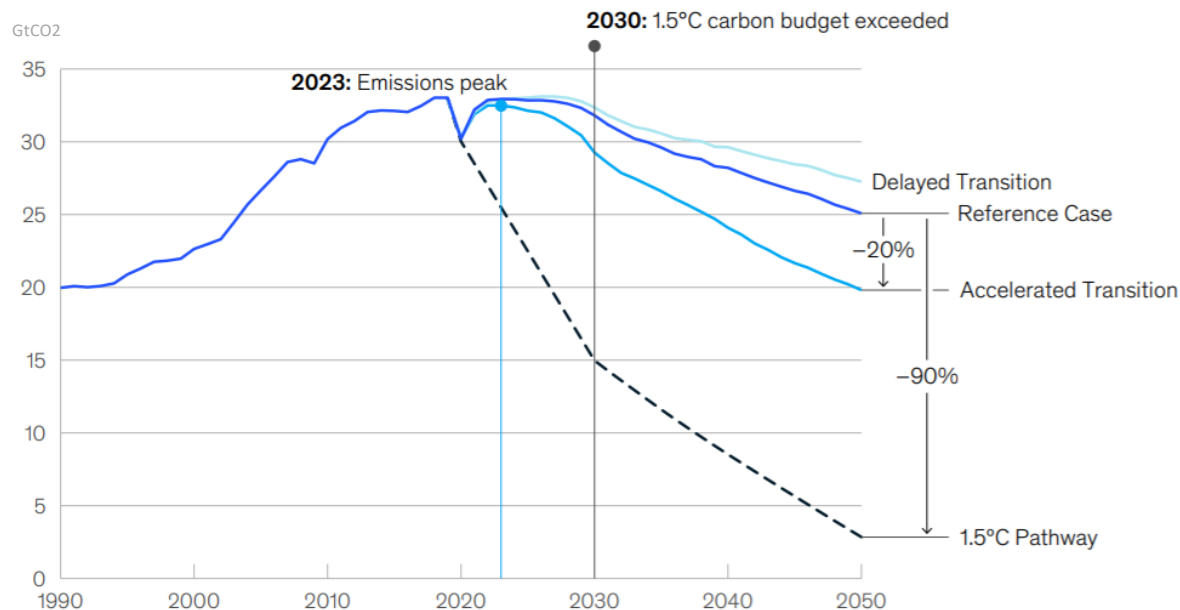
According to the IPCC 2021 report, global temperature is expected to reach or exceed 1.5°C of warming over the next 20 years

Transition **NEEDS** to happen sooner!



*...with significant effort required globally  
to address issue of GHG emissions.*

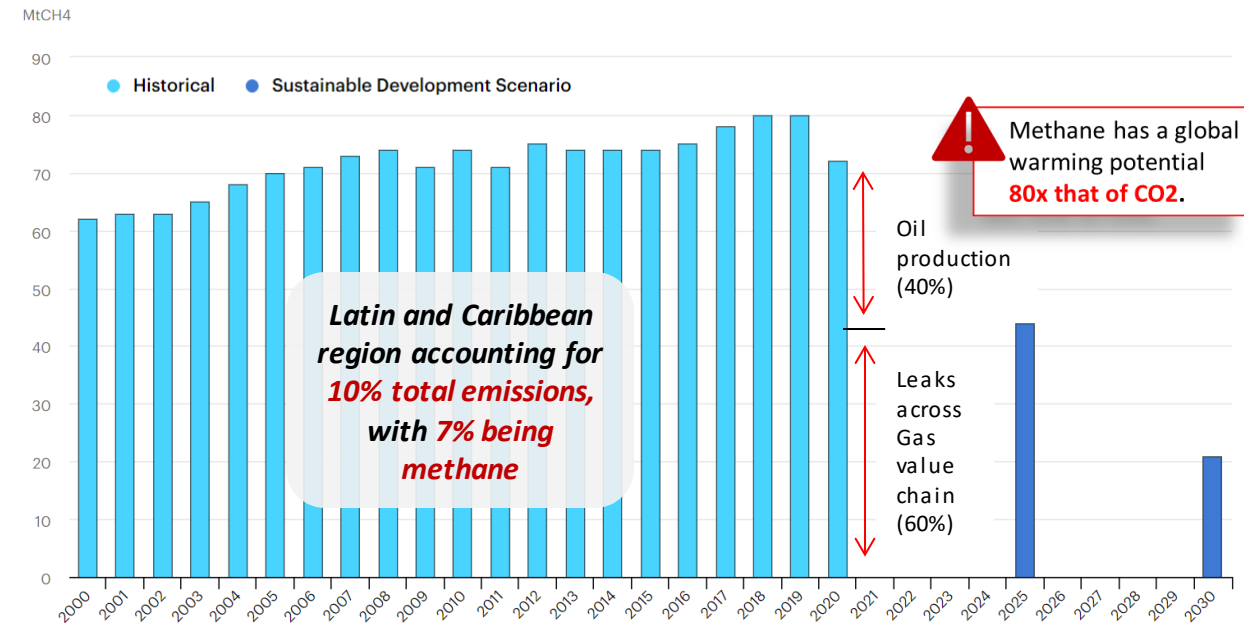
## Global energy-related carbon dioxide emissions



Source: McKinsey Energy Insights Global Energy Perspective 2021 (Dec 2020)

*The global carbon budget for 1.5°C Pathway is exhausted by 2030*

## Global oil and gas methane emissions



Source: IEA Methane tracker 2021- Fuel report (Jan 2021)

*Steady and rapid decline in emissions for the next 10 years could reduce methane emissions by 70%.*

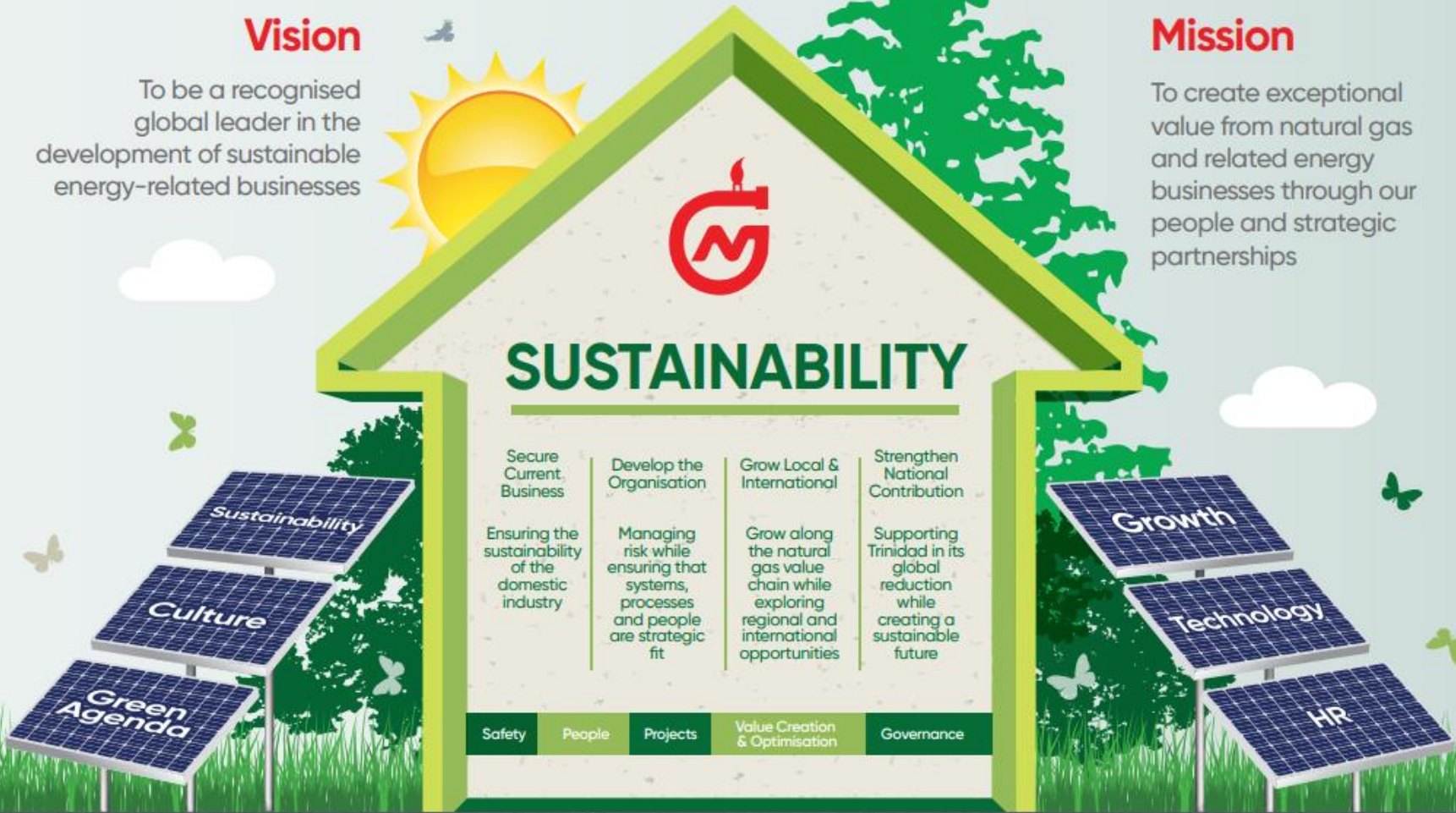
# NGC Strategy

## Vision

To be a recognised global leader in the development of sustainable energy-related businesses

## Mission

To create exceptional value from natural gas and related energy businesses through our people and strategic partnerships



Safety & Environmental Preservation



Integrity



Excellence



Employee Engagement



Transparency



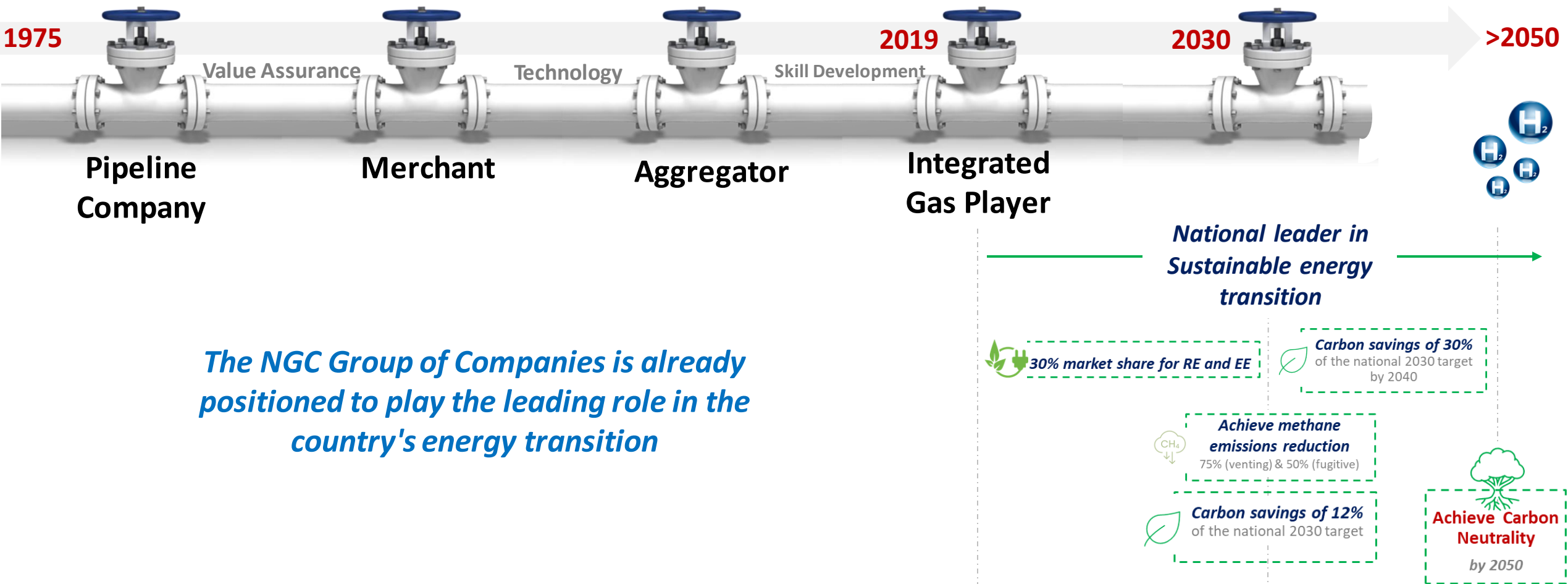
Corporate Social Responsibility



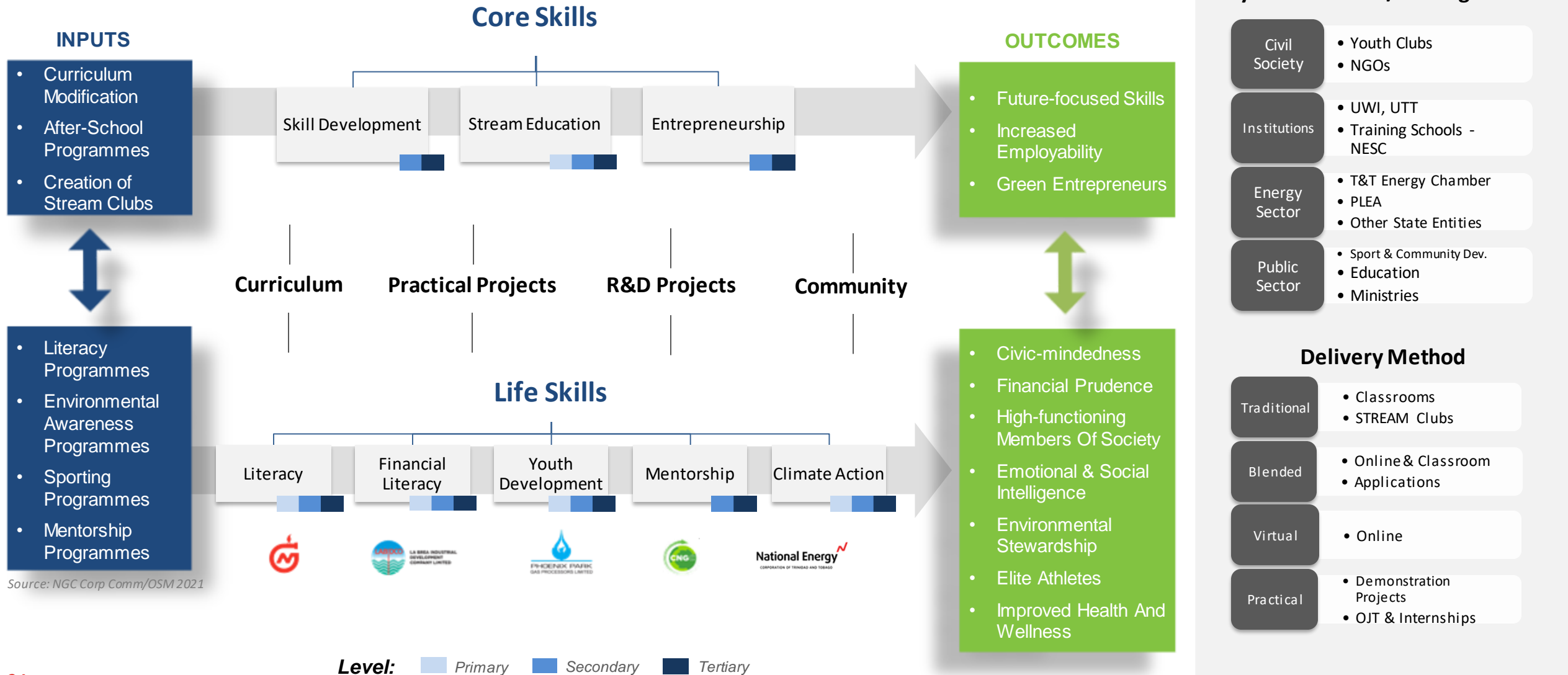
Customer Focus



## NGC's Transformation towards sustainability

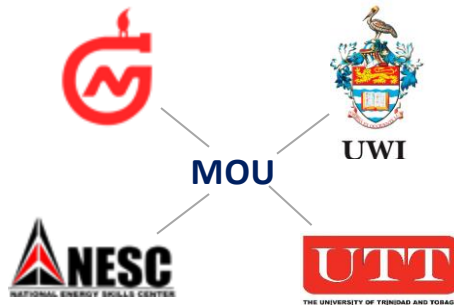


## Strengthening National Contribution Education Model



## Strengthening National Contribution Education and Skills

### Research & Development




- Renewable Energy
- Climate Change Research
- Greenhouse Gas Emissions
- Energy Efficiency

### Practical



### Public Education



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Energy Transition ▾ About CariGreen ▾ Territories ▾

**A Green New Future Starts With You**

Welcome to The NGC Group's CARIGREEN, a portal that provides information on available opportunities, financing, planning, energy markets and technology developments within the clean energy space for the Caribbean region.

**Launched June 2021**

### Key Strategic Partnerships





# Grow Locally & Internationally

Getting more from what currently exists

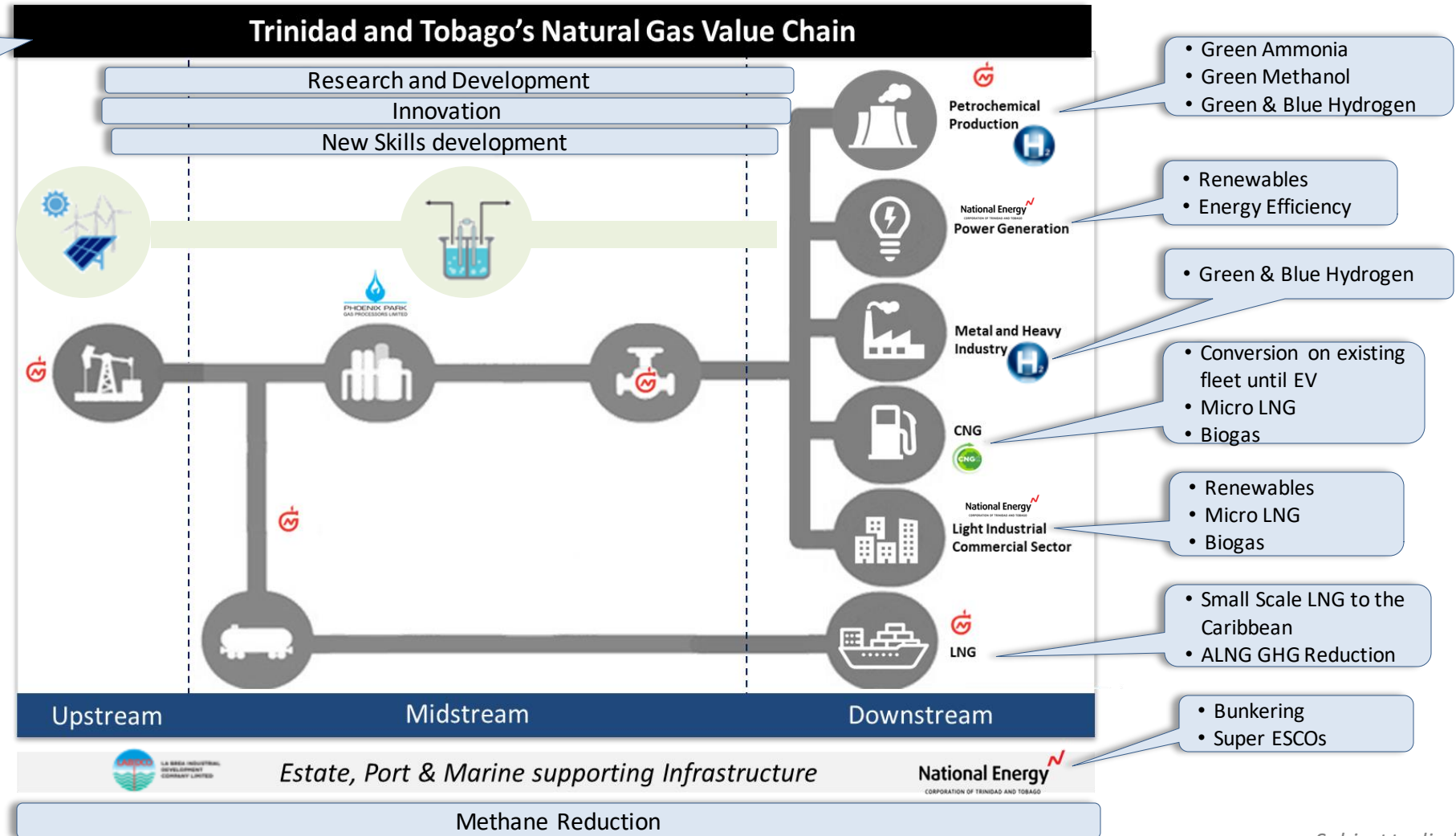
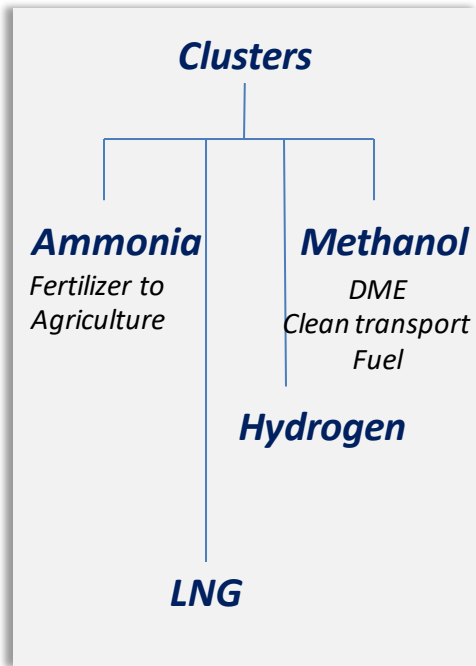
## Optimization of the current Business Model

*Get more from what currently exists, while influencing the Caribbean Energy Mix*

Source: NGC: OSM 2021

Foster / Establish strategic Partnerships amongst

- Universities,
- Stakeholders &
- Multinationals



# NGC Group's Green Agenda Overview

*The NGC group is committed to assisting T&T achieve it's COP21 target of total emission reduction of 15% by 2030*



## Key Elements

### GHG/ Carbon Storage, Reduction and Usage

### Renewable Energy

### Energy Efficiency

### Methane Focus

### Fuel Switching



## Initiatives

- Group GHG Audit
- Carbon Sequestration
- CO2 from Ammonia plants to Reservoirs

- BP/Shell/BP Lightsource Solar Opportunity
- Solar Park Project
- Clean Energy Strategic Partnerships
- Climate Finance Research
- Support RE integration into LIC Sector

- Promotion and Enhancement of Energy SmartTT App
- SuperESCO Programme
- Reduce 2019 Energy Consumption by 10% by 2022
- Increase Energy Efficiency by 10% by 2022: Energy Efficiency in all sectors

- Leak Detection and Repair Program
- Methane Satellite Monitoring
- Membership with GHG/Methane Bodies

- CNG
- Hydrogen Economy
- Micro and LNG for the Caribbean
- Fuel Bunkering
- Bio-Methane
- Renewable gas integration into NGC System
- Natural Gas for Cooking
- Marine Switching

## Education, Influence and Sustainability

*CariGreen, Partnerships and Sustainability Reporting*

*Subject to disclaimer*

## Working collaboratively with our vendors

### Prequalification

*Incorporation of the Energy Chamber Local Content score into the Prequalification and Tender processes.*

### Social

*Work with suppliers who demonstrate active support for people and community development.*

### Capability and Performance

*Work with suppliers to improve capability and performance in alignment with international standards to become an exporter of goods and services.*

### Green and Sustainability

*Work with suppliers on developing and enhancing awareness and implementation of green and sustainability initiatives.*





***To be a recognized global leader in the  
development of sustainable energy-related  
businesses.***



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# Introduction to Sustainability

Mario Singh- Assistant Manager, Sustainability  
Corporate Sustainability Division, NGC



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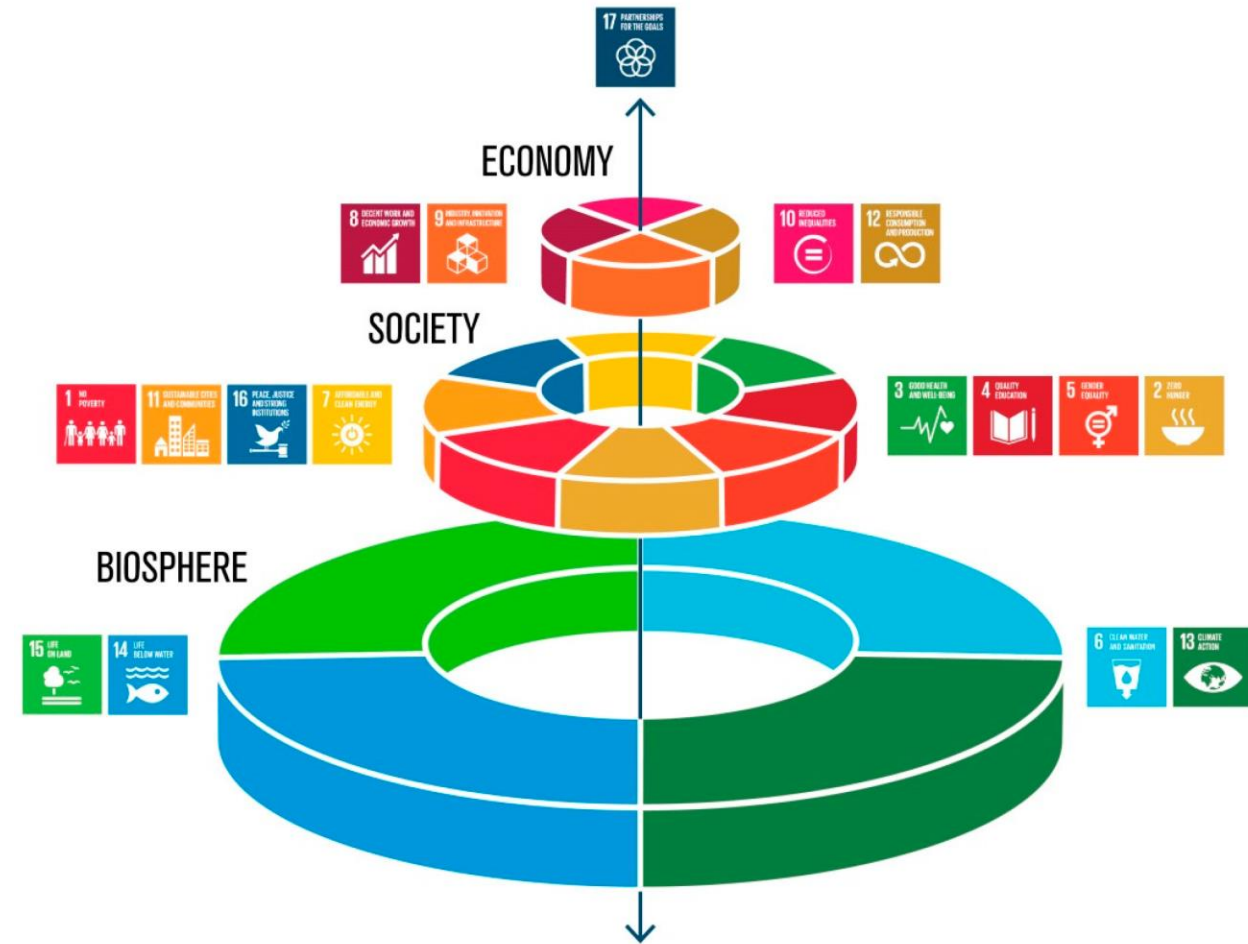
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# What is Sustainability?

“Everything that we need for our survival and well-being depends either directly or indirectly, on our natural environment”- US EPA.



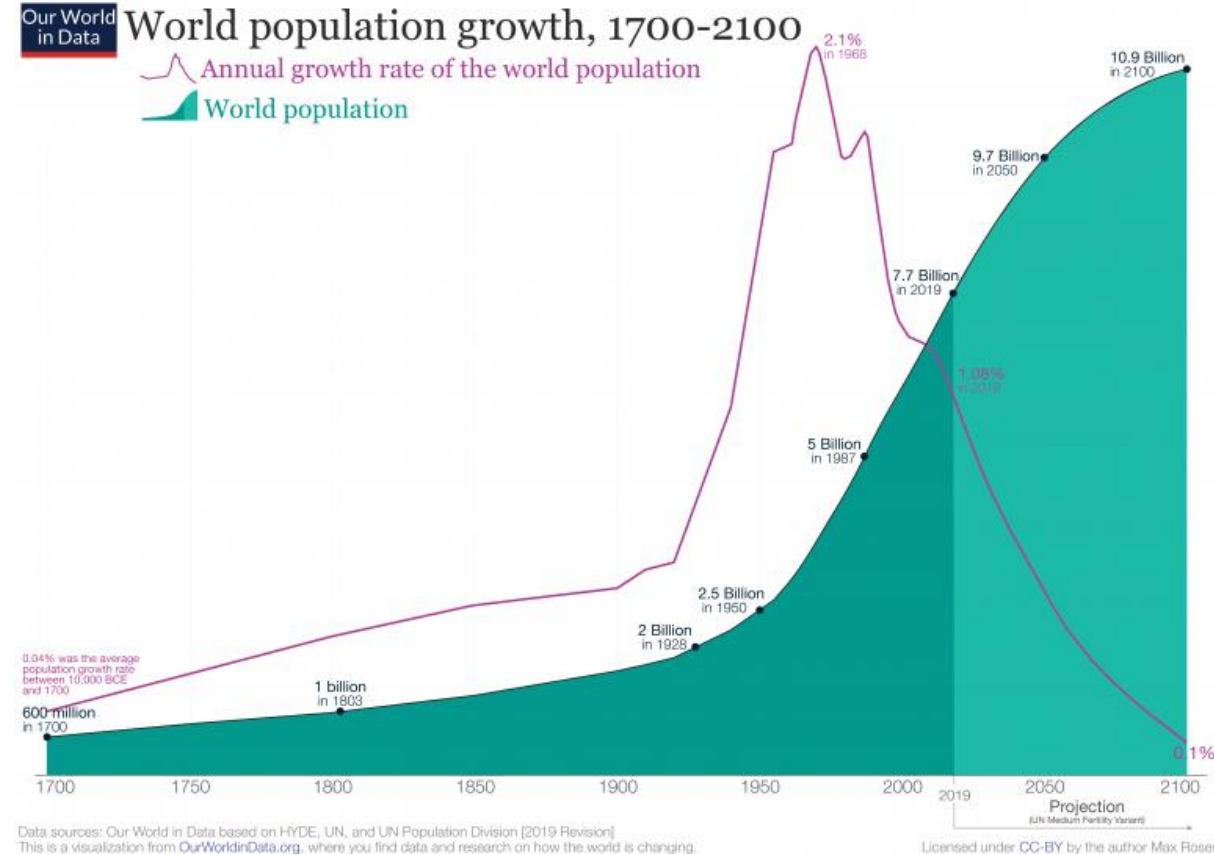
Source: Azote for Stockholm Resilience Centre, Stockholm University.



# Can we continue with Business-as-Usual?

## World population projected to rise to 9.7 billion by 2030:

- How are we going to feed, clothe, house and provide basic amenities such as clean water and energy, equitable health care and education, and decent work?
- Can we continue with our 'take-make-waste' models of production and consumption?
- Can we continue to extract resources at current rates?
- Are our agricultural and food practices sustainable?
- What world are we leaving for future generations?





# Navigating Risk and Complexity

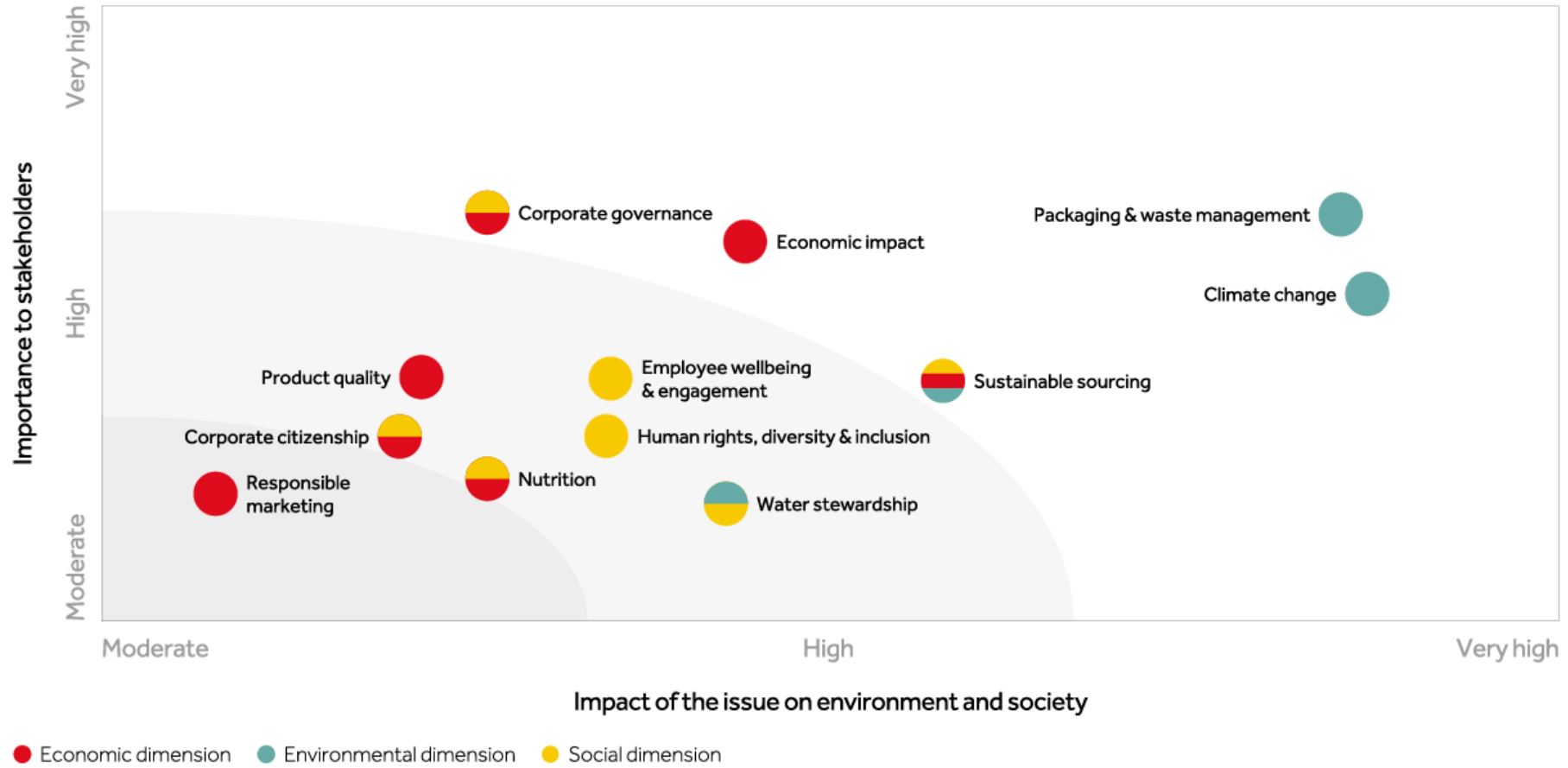
Source: Visual Capitalist, Allianz Risk Barometer, McAfee, Euler Hermes, 'Survey of 1,181 Companies'.



# Navigating Risk and Complexity- Materiality

2020 Materiality matrix

- Sustainability provides a framework for business to navigate complexity.
- Understanding 'Material Issues' is a critical step in understanding risks.



Source: Coca-Cola Hellenic Materiality Matrix 2020 (<https://www.coca-colahellenic.com/en/a-more-sustainable-future/our-approach/materiality>).

# Let Purpose Drive Sustainability

- Sustainability is not an ad hoc process.
- Mission, Vision, Values, Competencies and Aspirations should provide direction and attention on opportunities and threats.
- Trying to be all things to all people is a recipe for failure.
- Focus on what you do best.
- Sustainability activities should be aligned to corporate strategy.





# Sustainability Strategy

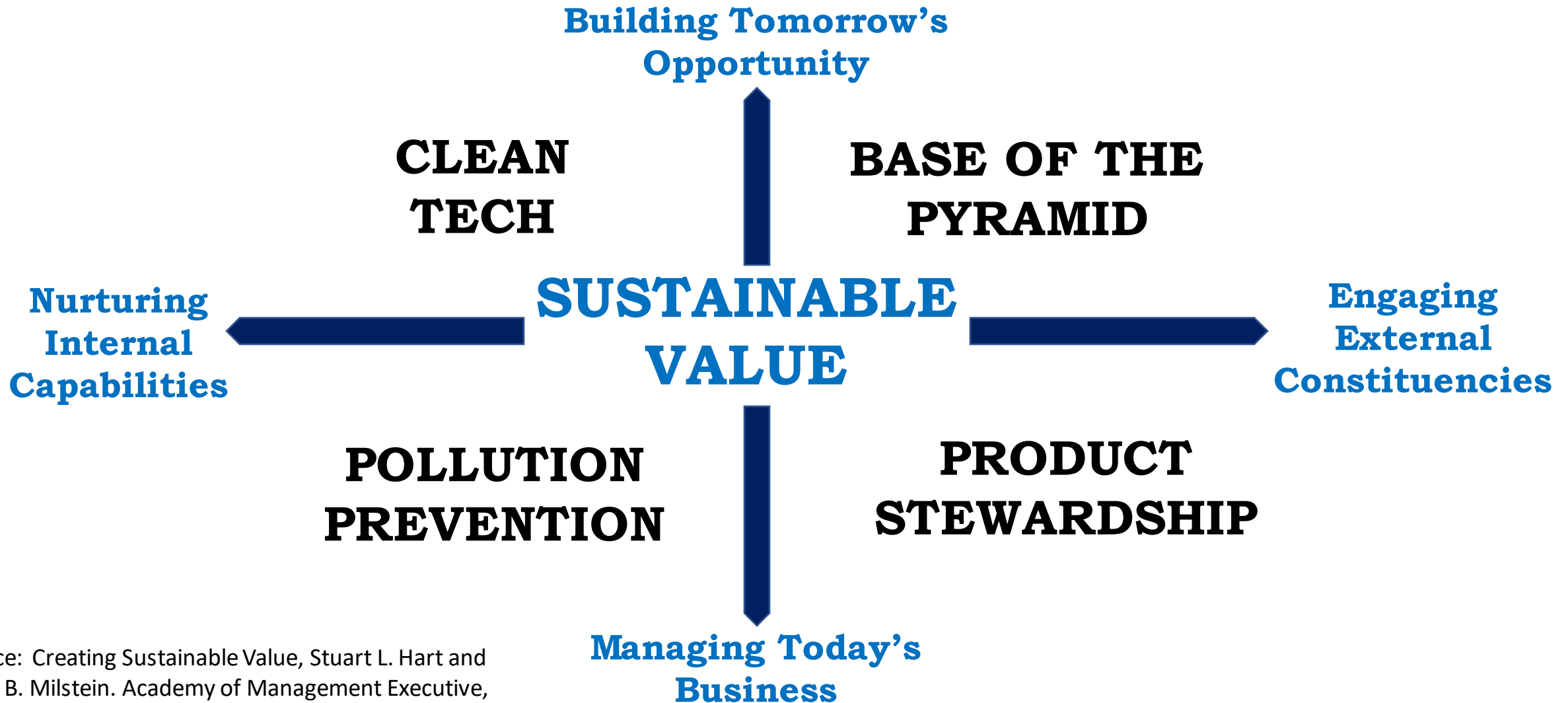


Source: "A Strategic Approach to Sustainability", Professor Mike Rosenberg (2016) IESE Business School, Spain.

## Choosing the Right Path:

1. Take a long, hard, honest look at the history of the business.
2. Understand the present.
3. Look to the future.
4. Bring it together in a plan, strategy or framework.
5. Get the Board and Employees on board.
6. Communicate, communicate, communicate!

# Sustainable Value Framework



Source: Creating Sustainable Value, Stuart L. Hart and Mark B. Milstein. Academy of Management Executive, 2003, Vol. 17, No. 2.

# Greening Business Processes



Source: Adopted from 'Green Business Booklet', International Labour Organization (ILO) 2017.





# Benefits of Sustainability

Protect Brand and  
Mitigate Risks.

Being Purpose-Driven is a  
Competitive Advantage.

There's a Growing Market  
for Sustainable Goods.

Cooperative Action Can  
Drive Change.



Source & Copyright©2019 - Lloyds Bank Group



# Closing Thoughts

Volatility and complexity are expected to continue as mounting stakeholder pressures are placed on business to help solve challenges.

Adopting a 'business-as-usual' approach is a risky proposition.

A sustainability strategy that is aligned to company vision, mission and purpose is a powerful tool to navigate complexity.

The Sustainable Value Framework is a useful tool to develop and implement future-focused sustainability.

Building brand and reputation, competitive advantage, growing sustainable markets and driving change collaboratively are some benefits to sustainable business practices.



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# **FUTURE OF WORK** IN A WORLD DISRUPTED

**Valarie Walters**  
Assistant Manager, Organisational Development, Performance and Training  
Human Resources Division



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Journey 2020 - Present

NGC's journey

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Purpose

Preparing the  
organization ready for  
change

03

3Ws Transition Plan

Workforce: Risk

Workplace: Site Layout & Safety

Work: Workflows & Employee Wellbeing

(Source: Deloitte : Covid-19 Workforce Strategies)







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# Journey Map 2020

## 2020 Journey

Mar

- Organizational Safety
- Work From Home Policy approved
- Pandemic Leave instituted
- BCP Activated
- Technology systems, tools & software deployed organization wide to support remote working

Apr-  
Jun

- Critical Work Schedule in place
- Health Declaration Form instituted
- Psycho-social Support: FIA sessions with employees

Jul-  
Sept

- Employee Handbook developed
- Meeting Guidelines issued
- Workforce capacity & Roster developed

Oct-  
Dec

- President's Forums & religious & cultural celebrations virtually
- Provided Employee Coping Sessions
- Virtual Retirement functions

## 2021 Journey

Jan -  
Oct

- Continued WFH model
- Improved on our work processes and application of Technology
- Meetings with major stakeholders continued virtually
- Increased virtual training
- EAP Week – Employee Mental Health & Well-being
- Roster System being reviewed based on continuous assessment of the internal and external environments



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# PURPOSE



PREPARE EMPLOYEES FOR  
WORKPLACE FOR THE  
FUTURE



PROTECT THE SAFETY OF  
NGC EMPLOYEES



CREATION OF PHYSICAL/DIGITAL  
WORKSPACES

# 3Ws Transition Plan

## Workforce: Risks

### Risks: Current

- Delta variant and potential impact on workforce
- Cyber security in the workplace
- Policy position to protect all employees
- Employee mental health and wellbeing

## Workplace: Site Layout & Safety

### Site Layout

- Layout and design
- Safety First
- Maintain 2020 Rostered Model
- [Under review] Group Policies and Procedures

## Work: Workflows & Employee Well-being

- Continue to embrace and adopt Technology
- Continued Training in software & tools to strengthen work processes
- Psycho-social sessions with FIA



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# Highlights

- ❑ The organization was forced to accelerate in the areas of innovation and business transformation, for example, adoption of the Green Agenda, heavy focus on sustainability & value optimization initiatives
- ❑ Increased speed in the turnover of work processes
- ❑ Continued Employee self-care sessions
- ❑ Team building continues to support leaders and their teams to foster a harmonious work environment.



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# FUTURE OF WORK BEST PRACTICES

- Our People
  - Leadership
- Work Environment
- Workspace Configuration
- Emerging Technologies



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# Implications of these changes for Vendors/Suppliers

- ❑ Need for Suppliers to know, understand and comply with NGC's Health protocols / guidelines.
- ❑ Forward planning for management of timelines.
- ❑ Other forms of communication channels will need to be utilized in the current environment, MS Teams, Video conferencing, etc.
- ❑ Higher degree of adaptability and agility for the provision of virtual services.
- ❑ Measurement of impact of service delivery.



# NGC Group Vendor Forum 2021

Agenda - 21st October, 2021

*Green Agenda, Sustainability, Building Local Content*

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# Integrating Environmental Sustainability within the HSE Prequalification and Supplier Performance Management Processes.

Abiola Mc Cree, HSE Advisor, HSE Operations, HSSE Division



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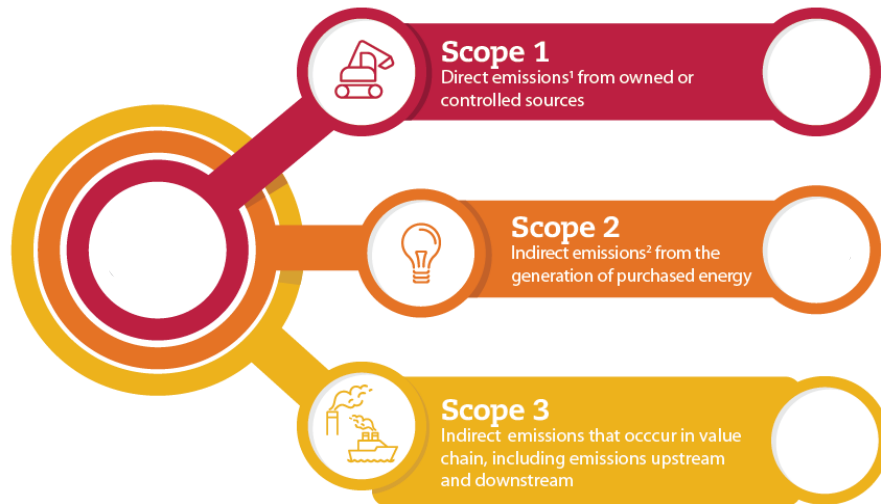
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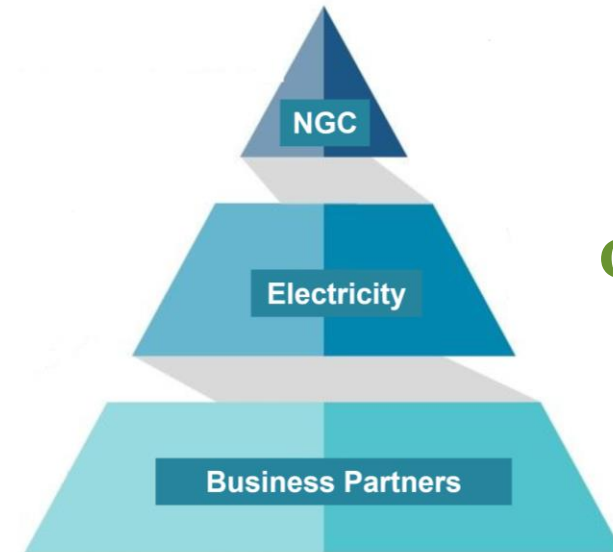


## NGC GROUP GREEN AGENDA Commitment

- ▶ The NGC Group is committed to achieving a net-zero carbon target through environmentally sustainable work practices and activities by its employees, contractor personnel, suppliers and the community.



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GHG Emissions



## **NGC GROUP GREEN AGENDA** Prequalification and Performance Management Framework

---

- ▶ At the pre-qualification stage,
  - ▶ The NGC Group tries to determine which contractors will be the “best fit” by reviewing their HSE Management systems; and
  - ▶ contractors are required to submit evidence of their commitment to environmental sustainability.
- ▶ It is important then, that a rigorous Environmental Management Programme be in place, and that it is maintained and documented.
- ▶ At the contract execution stage, vendors will also be assessed by the NGC Group to determine their environmental management best practices and other initiatives that may be incorporated into the execution of work activities which will be performance managed during the duration of the contract.





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# Draft HSE Prequalification Questions

## HSE POLICY

Does your written HSE Policy include management commitment to minimise adverse environmental impact?

## EM Programme

Do you have an Environmental Management Programme embedded in your HSE Management System?

## Environmental Sustainability

Do you measure Environmental Sustainability? If Yes, what areas are being monitored and at what frequency:

- Energy Consumption
- Green House Gas Emission
- Effluent & Waste
- Water Consumption

## Product Improvement

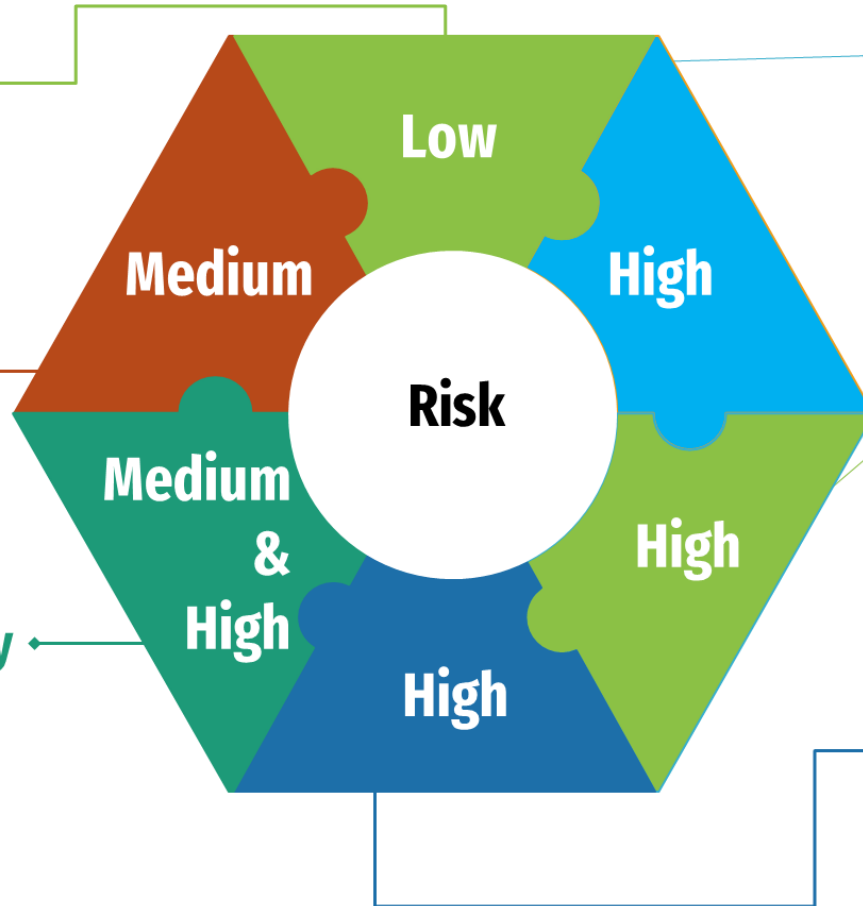
Describe any environmental improvement to your product or services such as eco-friendly packaging or other any other initiatives.

## Environmental Management

Were there any recommendations for improvement in the Environmental Management element of your STOW Assessment? If yes, have you commenced the implementation of corrective actions? Please provide evidence of same.

## Initiatives

How many improvement initiatives (corporate or other) have you undertaken within the past three years? Please outline them.



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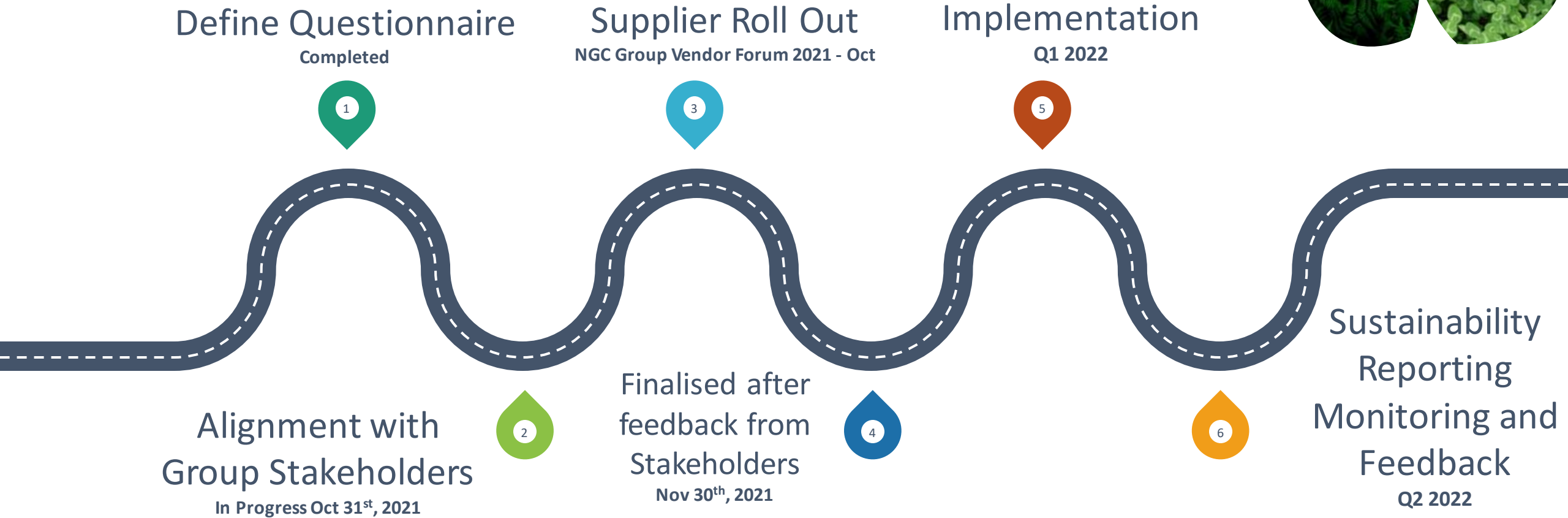
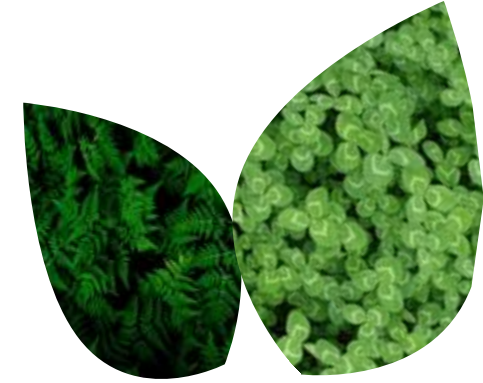


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# Roadmap for Green Agenda



# The ABCDs of Contract Monitoring



Attitude



Behaviours



Culture



Deliverables



# BREAK



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# Presentation from the Office of Procurement Regulator (OPR)



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# Projects Portfolio

Winston Mohammed, Senior Manager, Projects



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# NGC Group Project Strategic Drivers 2022 - 2025

2018 - 2021

- Ongoing Infrastructure **asset integrity and maintenance projects**
- Ongoing Infrastructure **Optimization or reliability** improvements projects
- Feasibility assessments and implementation of **new infrastructure projects**

Transition



2022 - 2025

- **Continue current infrastructure projects,**
- Feasibility assessments to leverage **new technology** as opportunities emerge
- **Green projects** e.g. emissions reduction, energy efficiency and renewables, lower carbon molecules and
- **Technical Services** projects that leverage NGC's in-house expertise and T&T vendor capability for local, regional and international natural gas infrastructure projects

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# Questions?



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# Vote of Thanks

## Mr. David Joseph

### Manager, Contracts & Procurement, NGC



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