

PerspECCtive

Theme:

Performing While Transforming: Executing Now, Evolving for Tomorrow

The Energy Transition: Pivoting into and Investing in Emerging Sectors

Year:

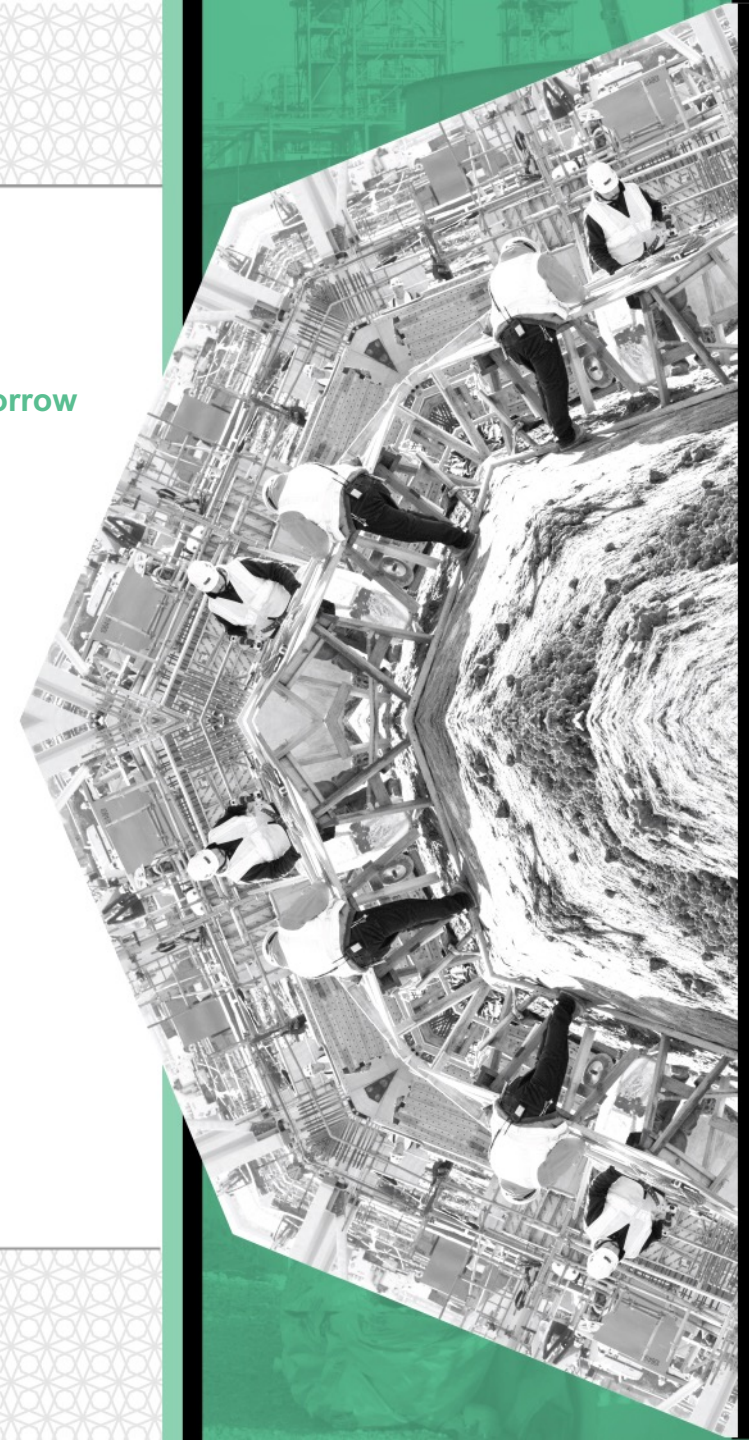
2021

Date:

Sep 8-10

Location:

**Gaylord Texas Resort
Grapevine, TX**



Moderator



Shaun Boardman

Vice President
Advisian Americas

Panel Members



Bob Reymond

President
Oil, Gas, & Chemicals



Jon Goldsmith

Managing Director of
Business Development
Emerging Energy



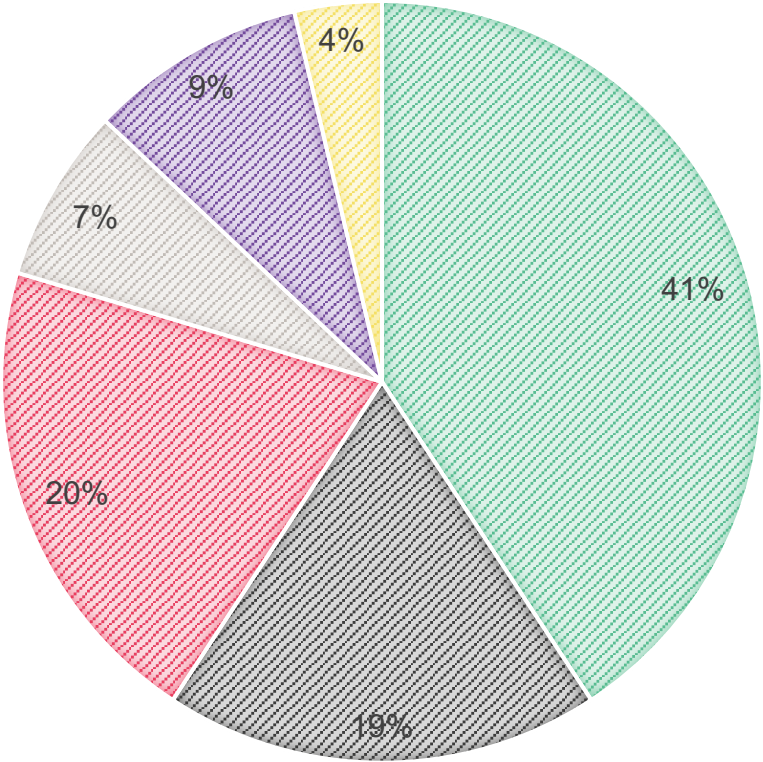
Robert Danek

Appraisal Management
Lead
Projects, New Energy

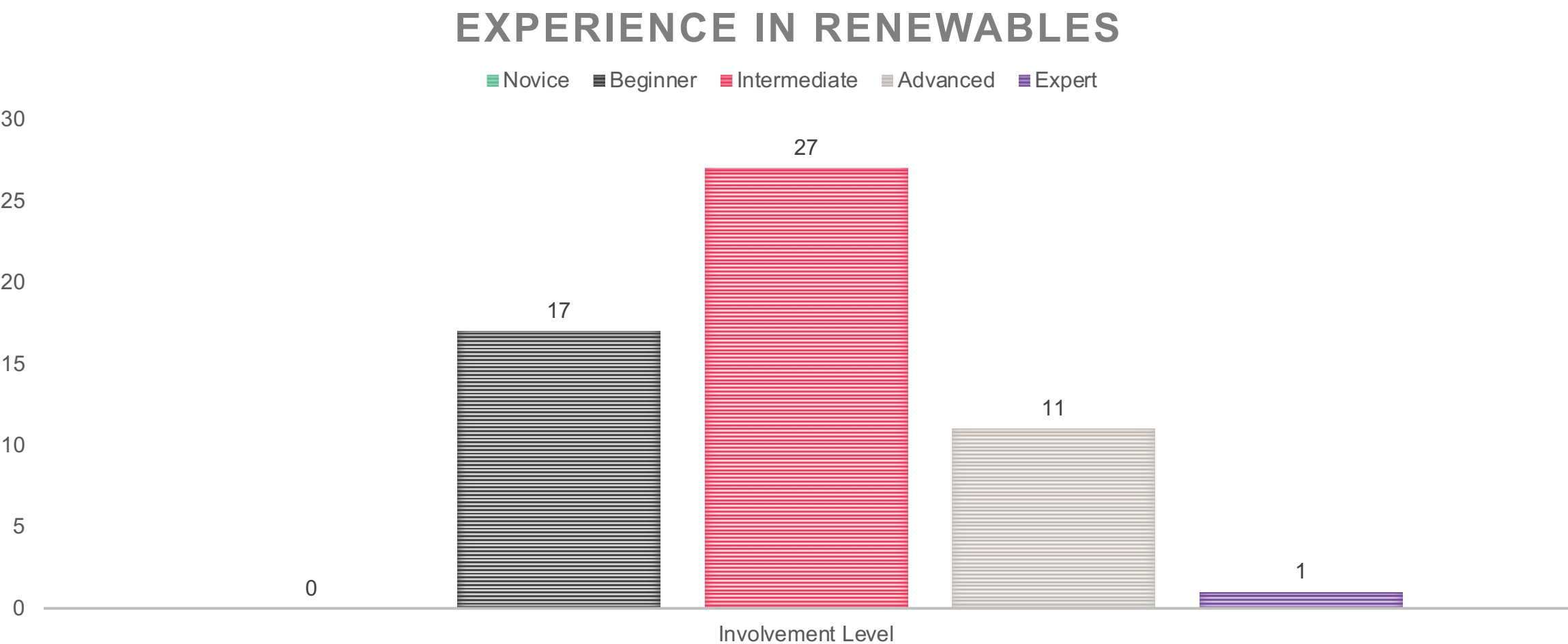
SURVEY RESULTS – Respondents’ Representation from Industry

REPRESENTATION FROM INDUSTRY

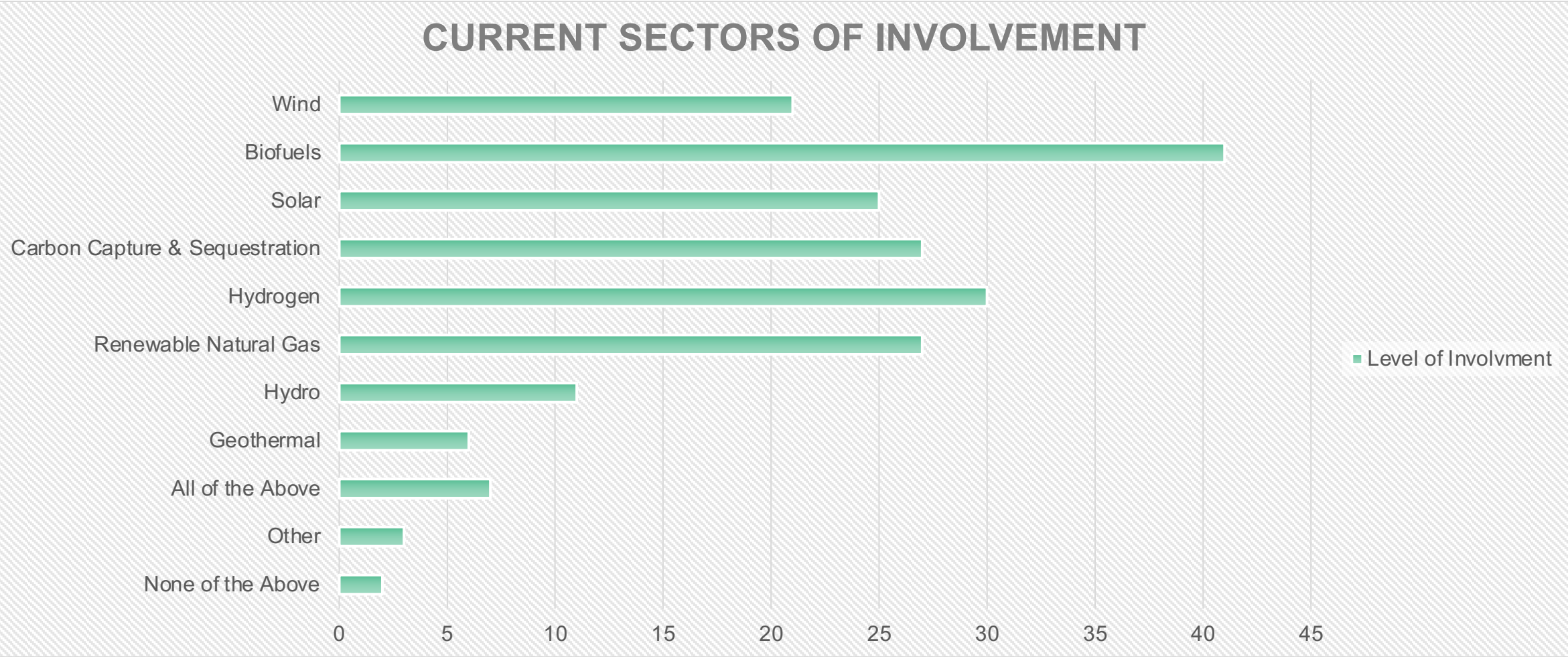
■ EPC Contractor ■ Owner ■ Sub-Contractor ■ Technology Developer ■ Supplier ■ Other



SURVEY RESULTS – Experience in Renewables



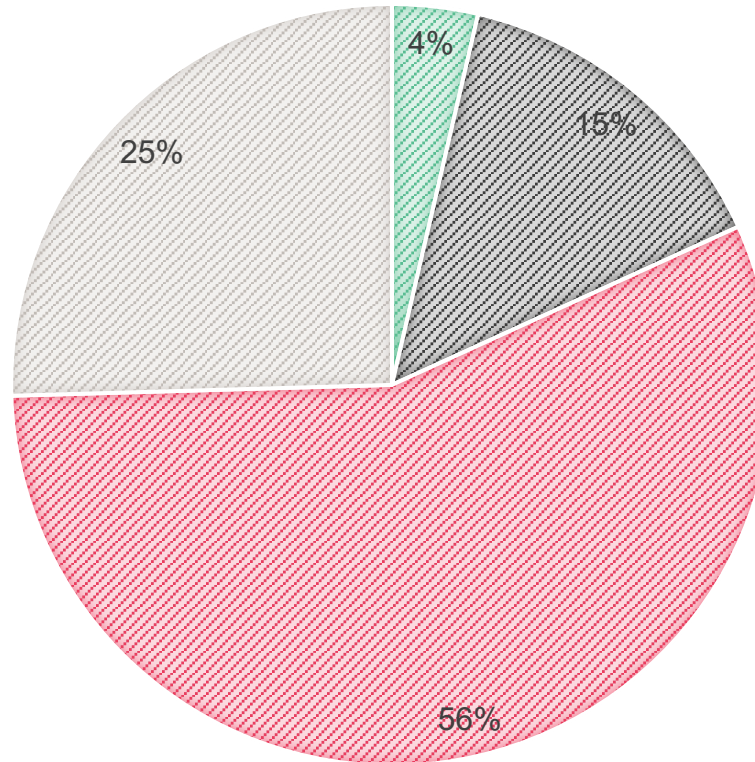
SURVEY RESULTS – Current Sectors of Involvement



SURVEY RESULTS – Electric Vehicle Personal Use

ELECTRIC VEHICLE PERSONAL USE

■ Currently ■ Within 5 years ■ Within 10 years ■ Never



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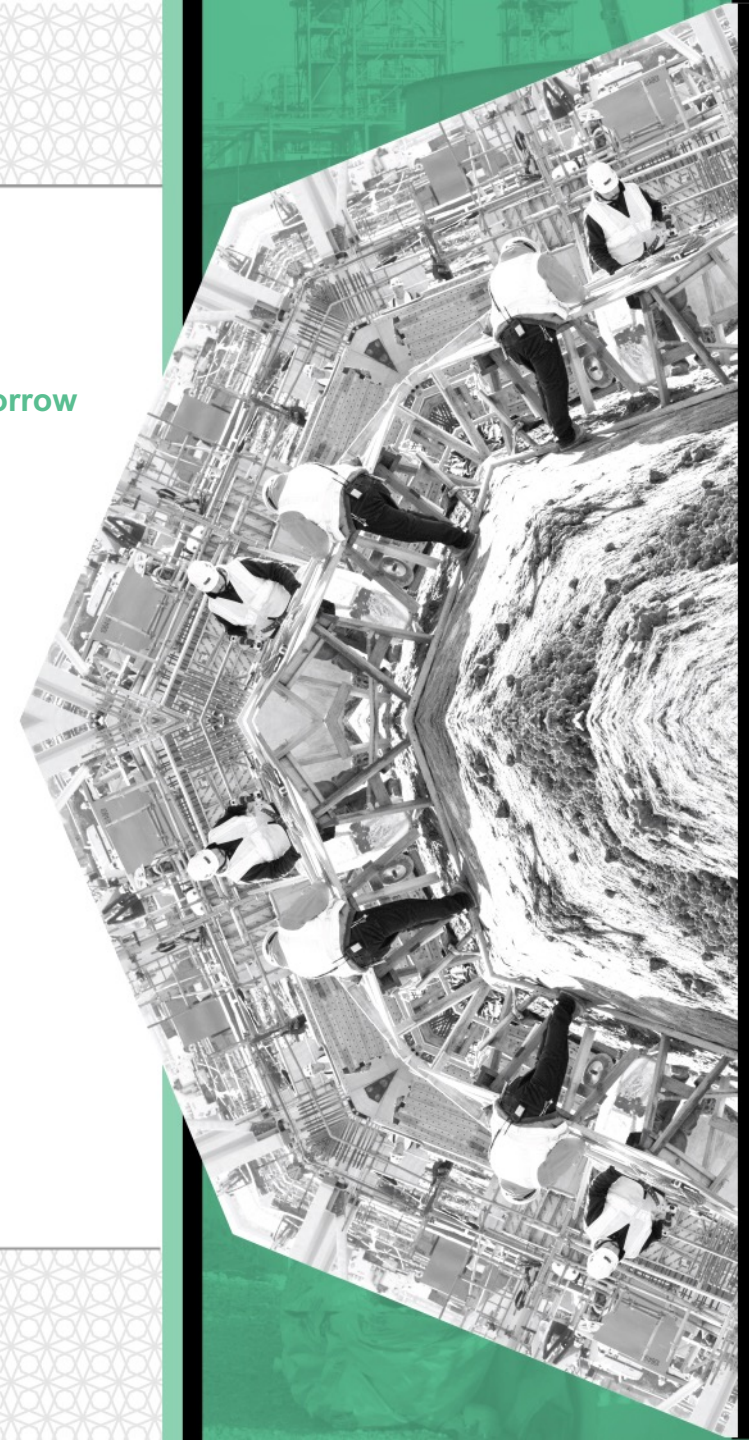
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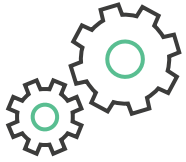


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Pivoting Into and Investing in Emerging Sectors

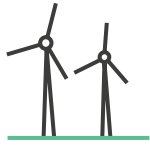
The road is long, with many a winding turn...



Process/energy efficiency

Scope 1 & 2

Operate in energy and process efficient manner.



Electrification & Renewable power

Scope 2

As plant electrifies Scope 2 emissions can increase under conventional power. Renewable power integral part green H₂ economy



Hydrogen

Scope 1 & 3

Green or blue hydrogen projects support production of low carbon fuels and support reduced carbon intensity products / feedstocks



CCUS

Scope 1, 2 and 3

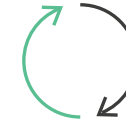
Match sources of CO₂ against sinks; integration within industrial hubs . Only scalable solution to date.



Renewable feedstocks

Scope 3

Introduce Renewable feedstocks and low *carbon-intensity* products



Circular economy

Scope 3

Integration of recycling processes within the supply chain



Oil to chemicals

Scope 3

Conversion of oil to high value chemicals- Decreases Scope 3 Emissions compared to fuels production



Today

Efficiency Improvements / Processing Changes		Supply Chain / Circular Pathways
Scope 1	Scope 2	Scope 3
Operational Efficiency	Utilization accountability	Product end-use accountability

Net Zero

Panel Question 1:

What types of projects is your company investing in and why?



Shaun Boardman



Robert Danek



Jon Goldsmith



Bob Reymond

Panel Question 2:

What are the key challenges that our organizations and industry face?



Shaun Boardman



Robert Danek



Jon Goldsmith

Panel Question 3:

What are the key enablers for your organization to take advantage of the energy transition?



Shaun Boardman



Bob Reymond



Jon Goldsmith



Robert Danek

Final Thoughts:

Any closing thoughts?

Where do we go from here?



Shaun Boardman



Jon Goldsmith



Robert Danek



Bob Reymond



Questions from Audience

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