Technology Driving Clean Energy Growth Report launch with the TLB & TMN

Agenda

- 1. Welcome and agenda Carlo Procaccini (TLB and NSTA)
- 2. The *Technology Driving Green Energy Growth* study Kirk Miller (Shell and the TLB)
- 3. Presentation of key findings Katya Kozinchenko and Francesca Tate (Accenture)
- 4. Panel discussion moderated by Stephen Sheal (NZTC)
- 5. Audience Q&A, please submit questions using Zoom



<u>Download: Technology Driving Green</u> Energy Growth (netzerotc.com)

Discussion Panel

- Katya Kozinchenko, Francesca Tate, Bjorn Bernhardt (Accenture)
- Kirk Miller (Shell / TLB)
- Chetan Laddha (Transformational Energy / TLB)
- Jason Paterson (NZTC)
- Carlo Procaccini (NSTA / TLB)
- Moderated by Stephen Sheal (NZTC)
- Please submit questions using Zoom (QA box at the bottom, either named or anonymous)



Report Content

01

Green hydrogen		16
l.	Introduction	17
II.	Key messages	18
III.	A view of the industry	20
IV.	Technology opportunities	22
٧.	Achieving commercialisation	42
VI.	Taking steps to meet the UK's milestones	44

02

Floating offshore wind		48
ı.	Introduction	49
II.	Key messages	50
III.	A view of the industry	52
IV.	Technology opportunities	54
٧.	Achieving commercialisation	64
VI	Taking steps to meet the LIK's milestones	65

03

ccs		68
I.	Introduction	69
II.	Key messages	70
III.	A view of the industry	72
IV.	Technology opportunities	74
٧.	Achieving commercialisation	84
VI.	Taking steps to meet the UK's milestones	88

04

Blue hydrogen		94
ı.	Introduction	95
II.	Key messages	96
III.	A view of the industry	98
IV.	Technology opportunities	100
٧.	Achieving commercialisation	108
VI.	Taking steps to meet the UK's milestones	112

05

Midstream hydrogen		114
I.	Introduction	115
II.	Key messages	116
III.	A view of the industry	118
IV.	Technology opportunities	120
٧.	Achieving commercialisation	128
VI.	Taking steps to meet the UK's milestones	132

06

Next steps	136
References	144
Abbreviations	149
Acknowledgements	150

Download: Technology Driving Green Energy Growth (netzerotc.com)

Acknowledgements

Project leads

Ekaterina Kozinchenko (Accenture) Björn Bernhardt (Accenture) Jason Paterson (NZTC) Martyn Tulloch (NZTC)

Project team

Accenture

Francesca Tate Baraqat Hamzat George Wells

NZTC

Hayleigh Barnett Craig Hodge Caragh McWhirr Iain Martin Jamie McCallum Graeme Rogerson

Project advisors

Members of the Technology Leadership Board

Colette Cohen (NZTC)

Carlo Procaccini (North Sea Transition Authority)

Mikki Corcoran (Schlumberger)

Dave MacKinnon (TotalEnergies)

Kirk Miller (Shell)

Chetan Laddha (Transformational Energy)