



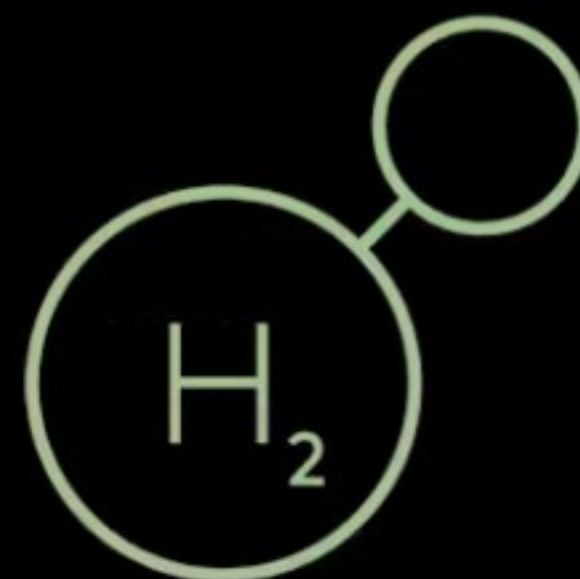
Lessons for Fleets Exploring Low-Emission Carbon Fuels

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FLEET ZERO

Zero Emissions. Zero Headaches.



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Agenda



Safety Moment

- Globally electric vehicle and charging infrastructure have experienced a series of high-risk fires
- There have been renewed interest in training and emergency training for electrical vehicle use across residential, private and public fleets
- This safety moment is focused on proper inspection of charging hardware

Safety Steps:

- Follow OEM inspection and preventative maintenance schedule
- Ensure work is conducted by certified and trained technicians
- Before every use, inspect charging cord and hardware for any physical damage
- After every use properly stow the cord and equipment





FleetZero is your Turn-Key Solution to Fleet Decarbonization

We are your trusted advisor during your transition of light, medium and heavy-duty vehicles to low and zero emission propulsion.

We are zero emission agnostic, offering unparalleled insights across hybrid, battery electric, renewable natural gas, and hydrogen fuel cell propulsion systems.

Our global consulting and SME network assist with complex asset management, maintenance, funding and decarbonization decisions.





Electrical



Environmental



Finance



Mechanical



Asset Advisory



Engineering

Experts from Multiple Disciplines



FLEET ZERO
Zero Emissions. Zero Headaches.

24+
Person
International
Team

80+
Battery &
Hydrogen
Feasibility
Studies

22K+
Fleets Assets
Advised

Our Track Record



What is a Zero Emission Fleet?

Batteries

- Electricity as their fuel with charging available from the grid's infrastructure
- Electricity can come from energy sources that vary in their level of emissions
 - Renewable sources such as wind, solar and hydroelectric
 - Conventional energy sources such as natural gas and coal

Fuel Cell

- Power electric motor by converting hydrogen gas into fuel cell for electricity
- Hydrogen can be produced with varying level of emissions
 - Green hydrogen comes from renewables
 - Blue hydrogen comes from fossil fuels with carbon capture
 - Grey hydrogen comes from fossil fuels



What is a Low Carbon Fleet?

Renewable Natural Gas (RNG)

- Renewable natural gas (RNG) is a term used to describe biogas that has been upgraded for use in place of fossil natural gas.
- The biogas used to produce RNG comes from a variety of sources
 - Municipal solid waste landfills, digesters at water resource recovery facilities (wastewater treatment plants), livestock farms, food production facilities and organic waste management operations.
- Replacing traditional diesel or gasoline with RNG can significantly reduce emissions of nitrogen oxides and particulate matter, resulting in local air quality benefits.
- RNG is comprised primarily of methane
 - Compared to fossil natural gas, RNG contains zero to very low levels of constituents, such as ethane, propane, butane, pentane or other trace hydrocarbons



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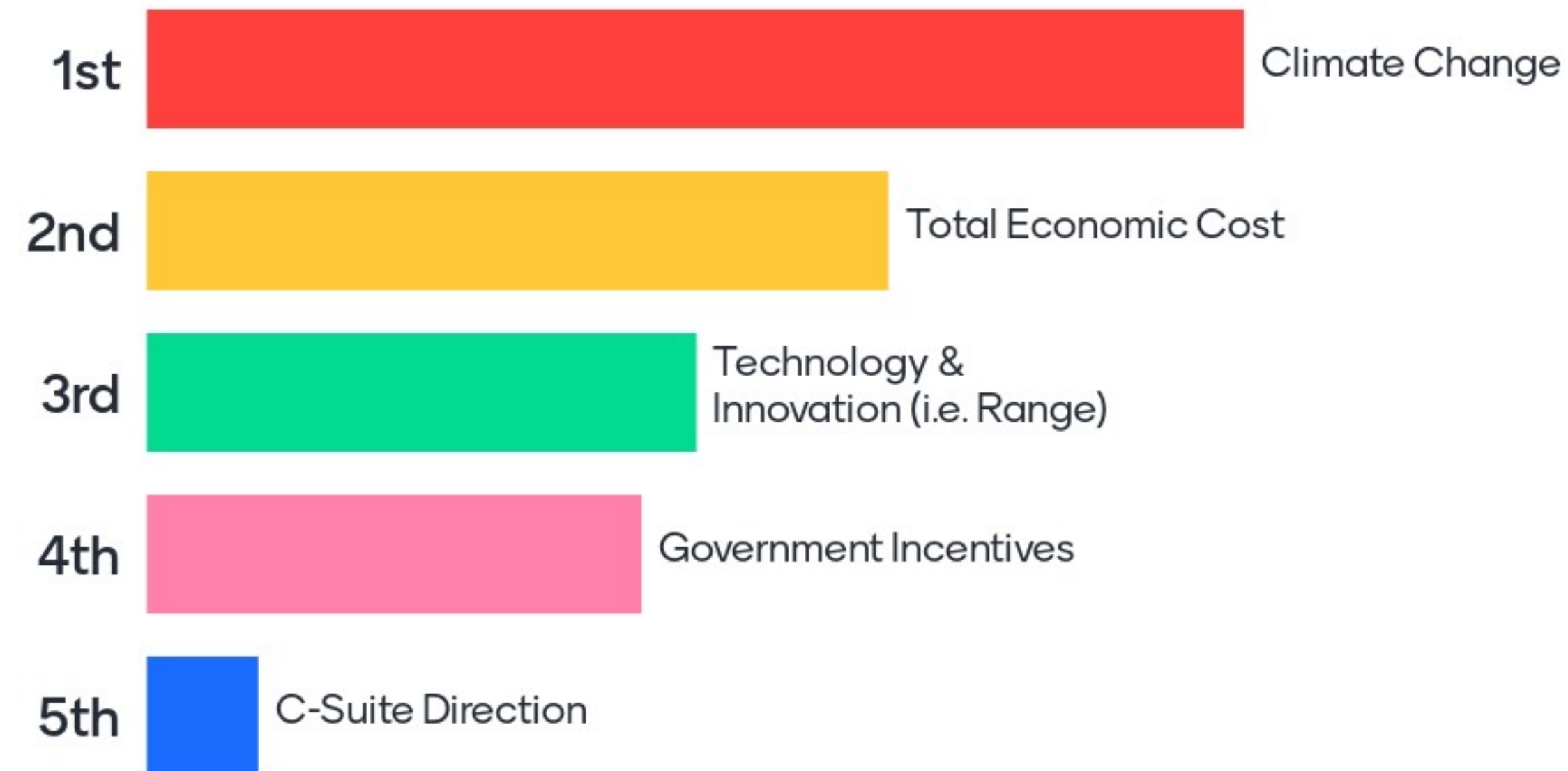
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Or use QR code

Rank the Reasons for Your Organization's Fleet Decarbonization Journey

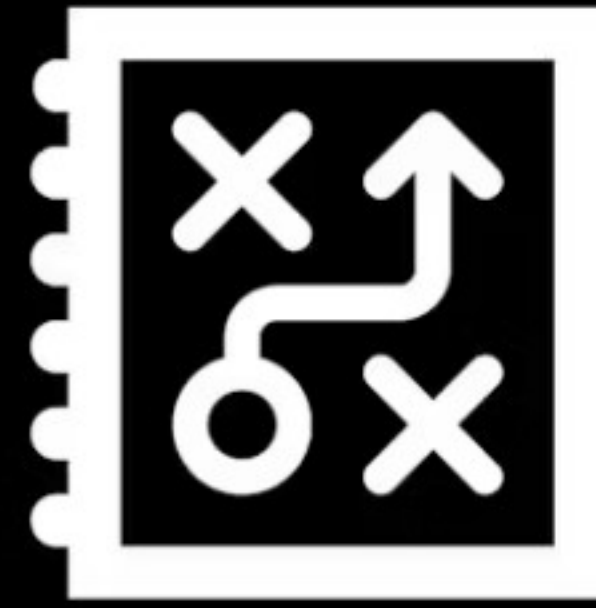


Why Do You Want to Decarbonize with Low Carbon Vehicles?

22 responses



The Playbook (sm)



Stakeholders



Facility



Fleet



Infrastructure

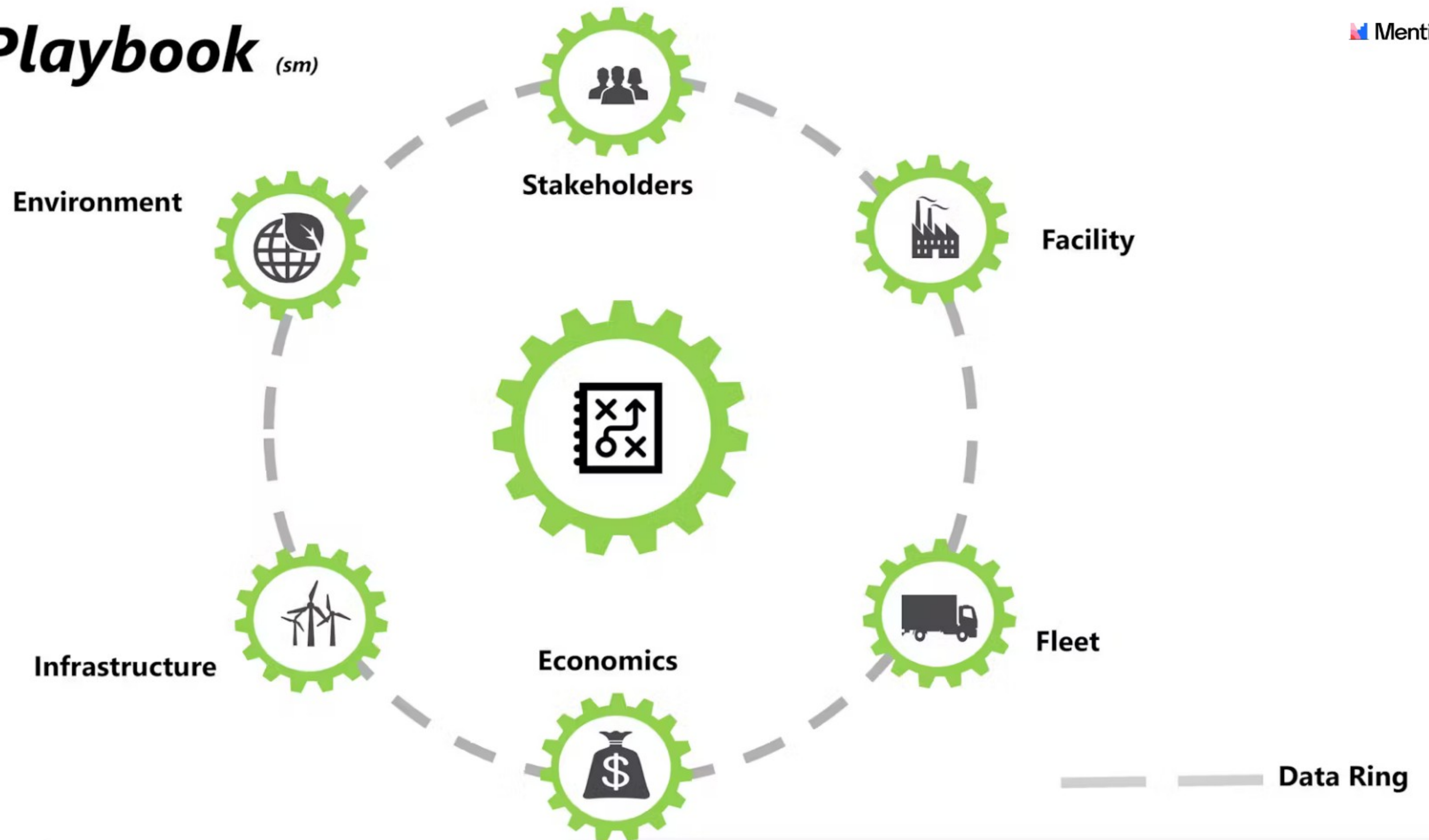


Environment

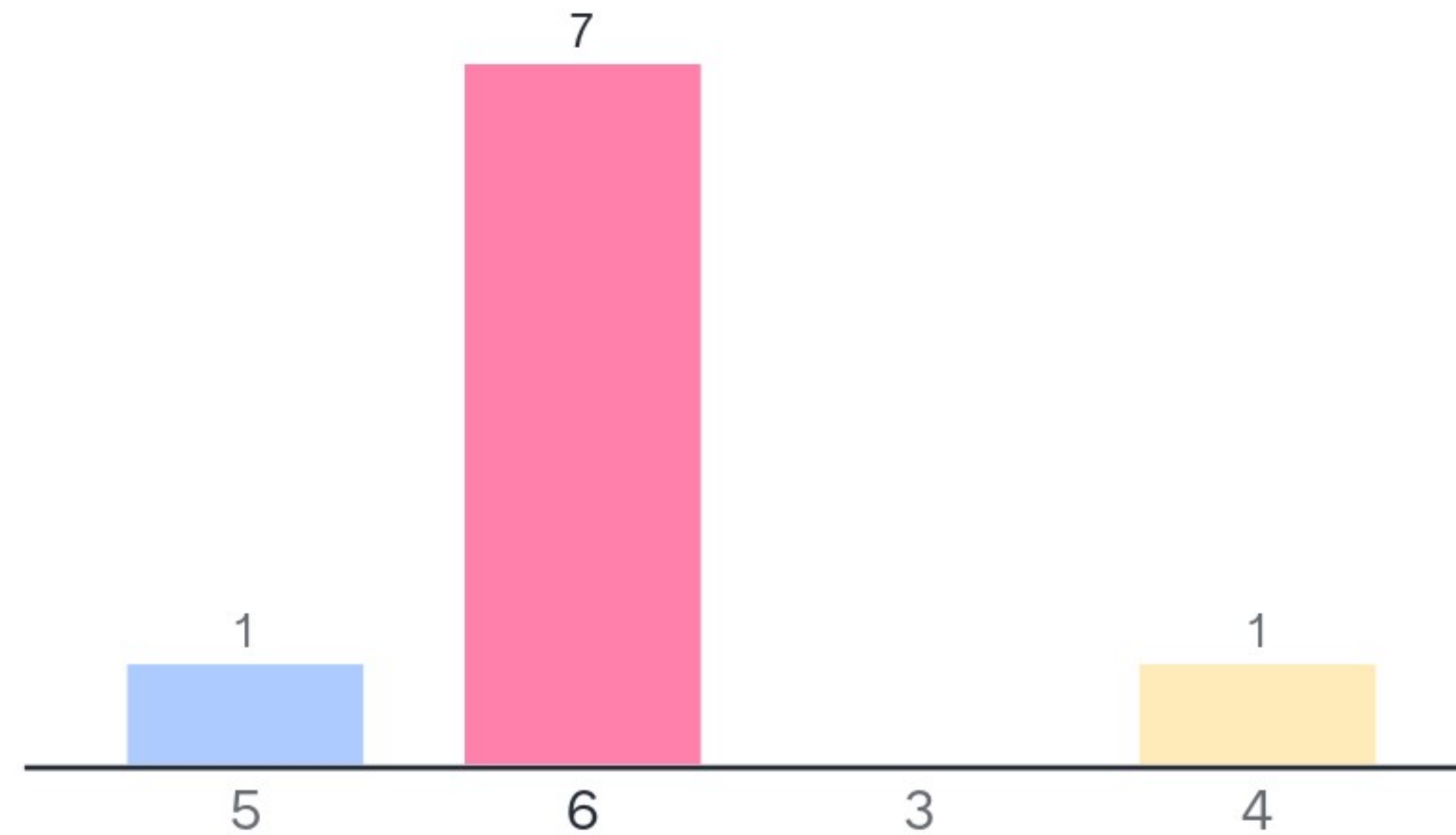


Economics

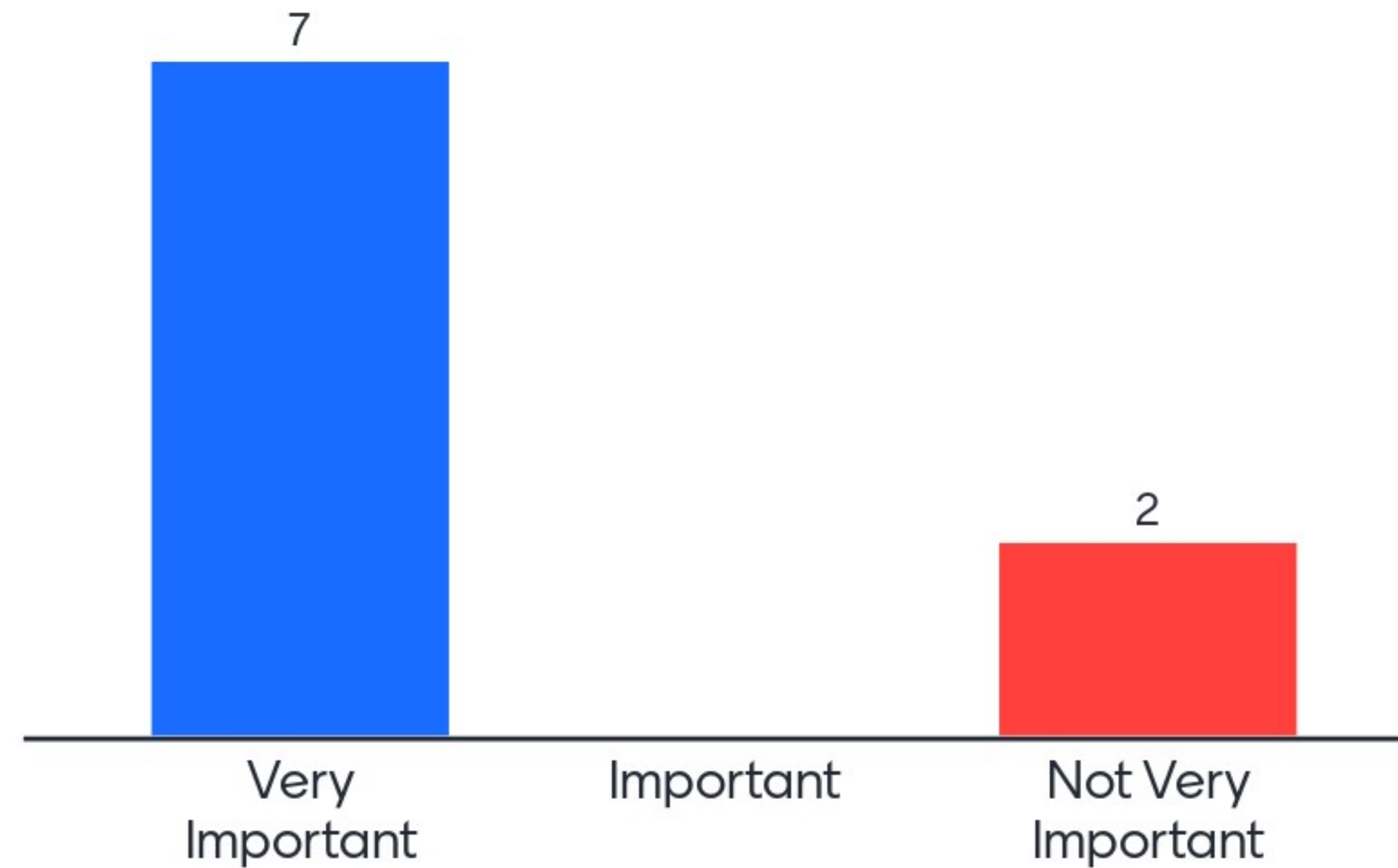
The Playbook (sm)



How Many Chapters are in the FleetZero Playbook (sm)?



How Important is Data to Your Fleet Decarbonization Journey?



What was the Most Important Lesson from Today's Webinar?

8 responses

danger ev charging cords

roadmap

big decision

fuel delivery

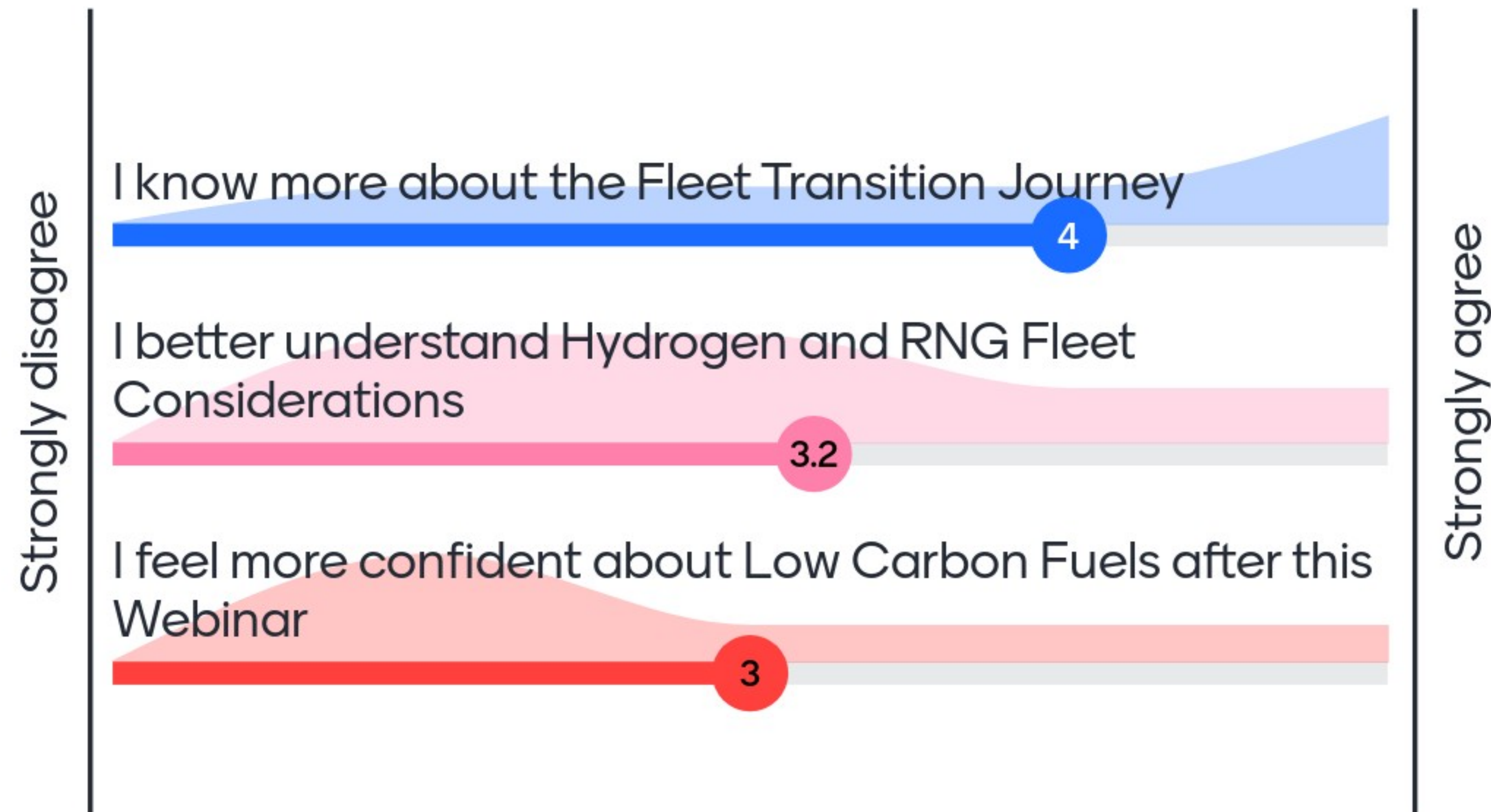
challenges

solutions

training

data

How Helpful Was this Webinar?





Thank You



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