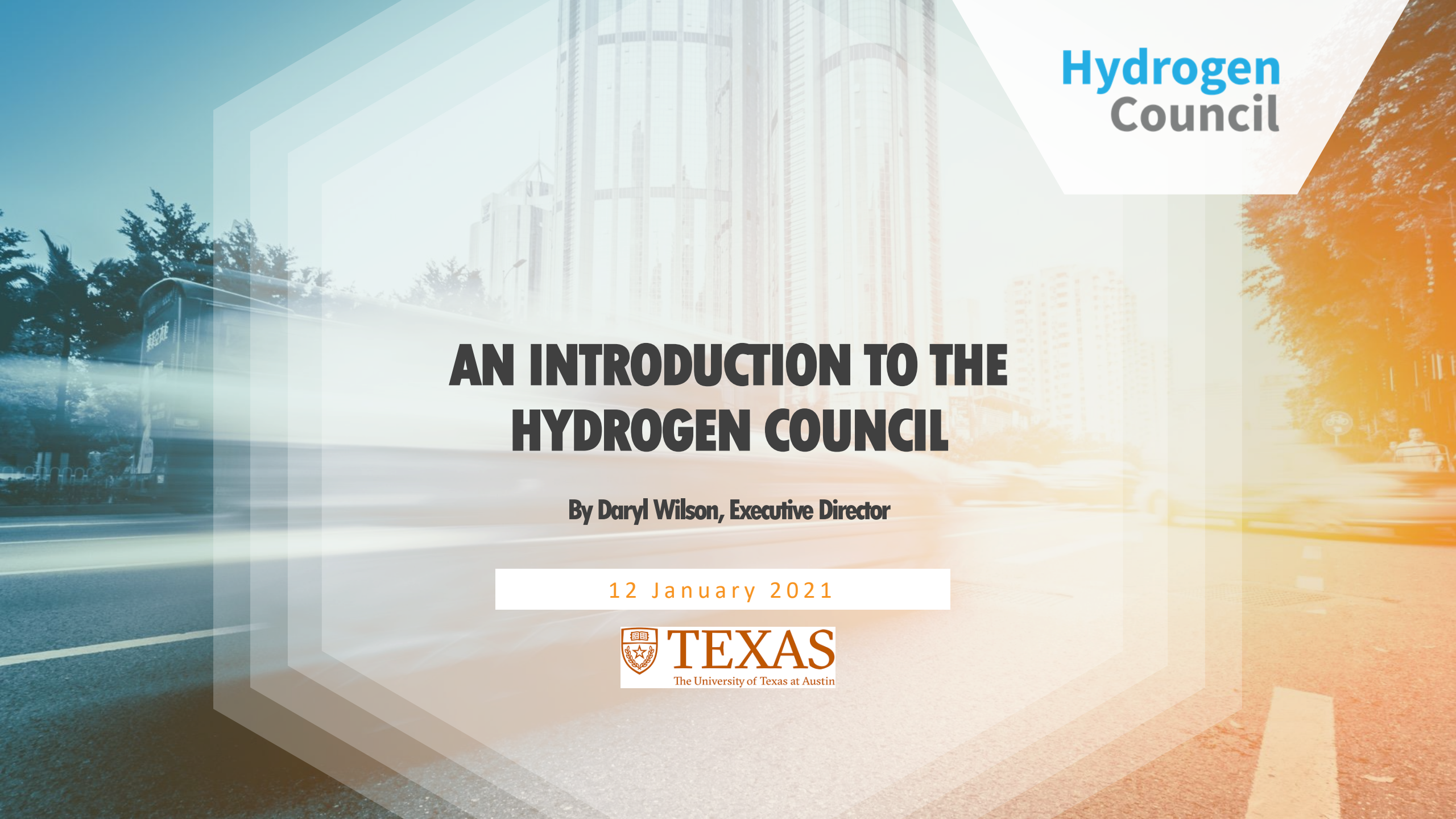


Hydrogen Council

AN INTRODUCTION TO THE HYDROGEN COUNCIL

By Daryl Wilson, Executive Director

12 January 2021

TEXAS
The University of Texas at Austin

HYDROGEN COUNCIL

A global CEO-led initiative

Founded at WORLD ECONOMIC FORUM Davos 2017

Grown from 13 to **103** Companies

Representing **6.5** MILLION jobs

18 Countries

4 Continents

€18.9 TRILLION in revenues

ONE SHARED VISION

OUR OBJECTIVES

Unlock scale markets for hydrogen
by positioning the technologies among key solutions for energy transition and advocating for their uptake

Create significant business opportunities
along the value chain to ensure proper industrial developments of key components and comprehensive deployments

Accelerate massive investment
in the development and commercialization of the hydrogen and fuel cell sectors

Encourage key stakeholders to back hydrogen
as part of the future energy mix with appropriate policies and supporting schemes

OUR VISION

Hydrogen has a key role to play in the energy transition

Based on **real industry data**, the Council sees hydrogen as an enabler of the future energy system, growing its role over time and delivering tangible benefits:

By 2030

H_2 scales up to achieve competitiveness

- ✓ Cost falls sharply, making hydrogen a competitive low-carbon option across 22 applications – equivalent to 15% of annual global energy demand

By 2050

H_2 reaches full potential

- ✓ 6 GT of CO_2 abatement annually
- ✓ 30 million jobs
- ✓ $2.5 trillion market

Sources:

"Hydrogen, Scaling Up" report, 2017
"Path to Hydrogen Competitiveness" report, 2020

OUR PRIORITIES

1. Bring together key stakeholders to enable investment & large scale projects
-Build a business marketplace
-Stimulate investment

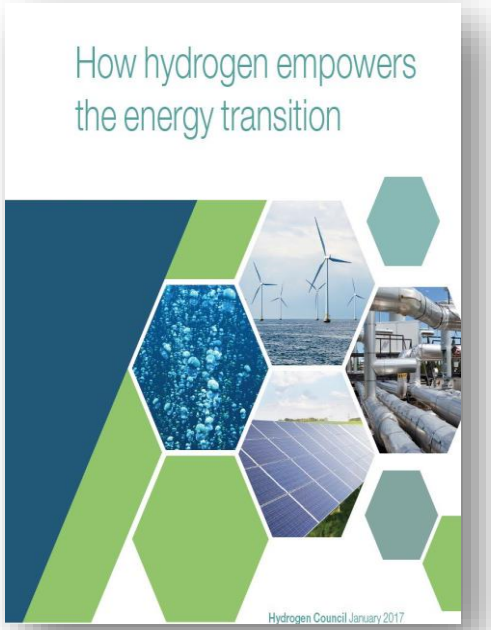
2. Amplify the voice of hydrogen worldwide
-Understand hydrogen perception & challenges
-Address issues & leverage new/broader opportunities

3. Guide policymakers toward appropriate regulations
-Identify key policies & technical recommendations
-Influence through key organizations

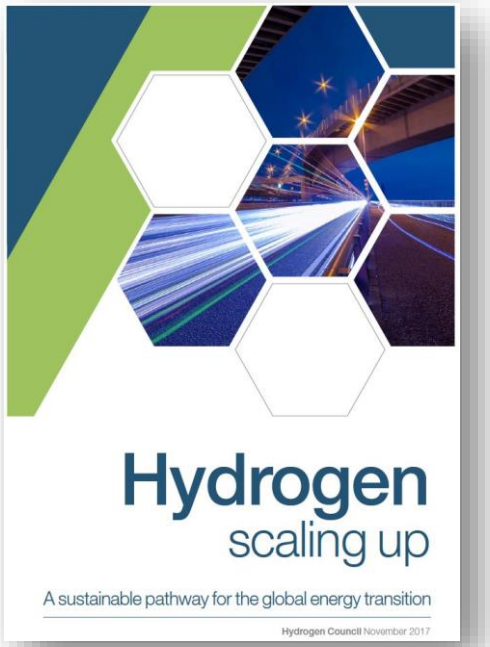
4. Ensure transversal coverage of safety topics globally
-Close safety/standards gaps
-Reputation management and crisis preparedness

MAKING THE CASE FOR HYDROGEN

The Council creates studies on the use, development and deployment of hydrogen across sectors and industries. These studies further our understanding of **how to make the hydrogen economy a reality through concrete data provided by Council members** and informed conversations with key stakeholders around the globe. All studies are available **here.**



Explores the role of hydrogen in the energy transition and offers recommendations to help accelerate deployment | LINK



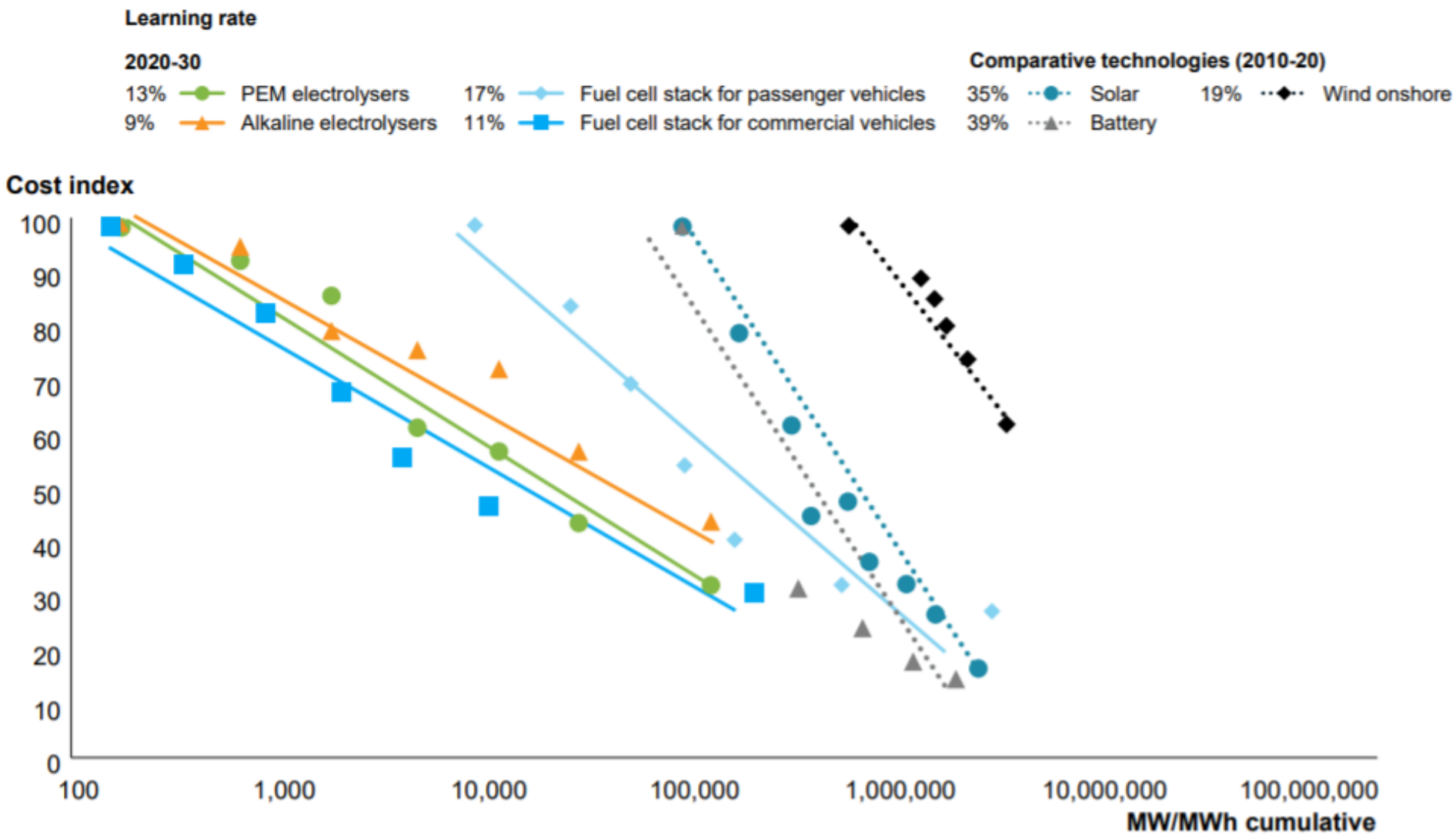
Discusses the feasibility of our 2050 hydrogen vision and proposes tangible steps to get there | LINK

Considers how digitization and hydrogen could complement each other in the energy transition | LINK

Presents a cost trajectory for hydrogen to become cost competitive to other low carbon and conventional alternatives by 2030 | LINK

COMPETITIVNESS OF HYDROGEN APPLICATIONS

LEARNING RATES OF HYDROGEN APPLICATIONS



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Thank you for your time!

www.hydrogencouncil.com

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