

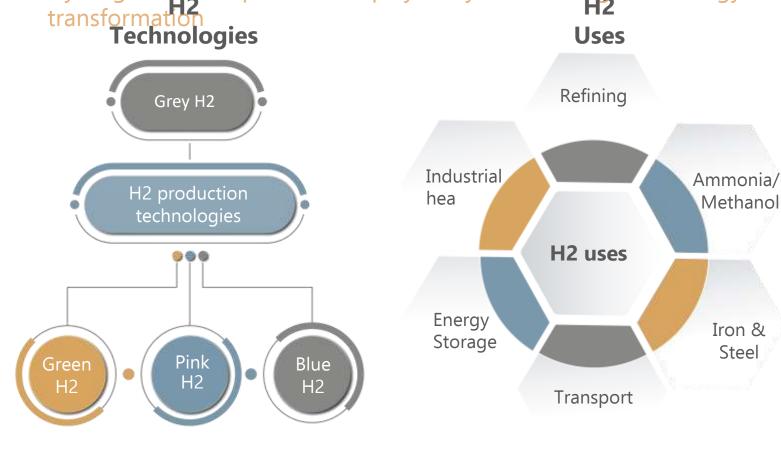
Green Hydrogen Middle East

DoE Policy and Regulatory Framework

Background (1)

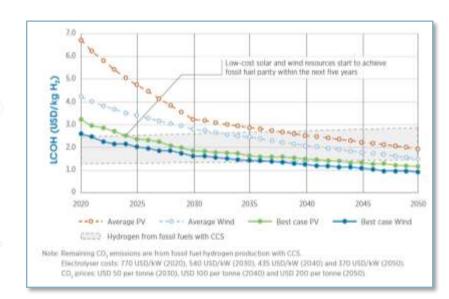
Hydrogen is a clean energy carrier and can be used in most energy applications.

Hydrogen has the potential to play a key role in the global energy





H2 production Learning Curve



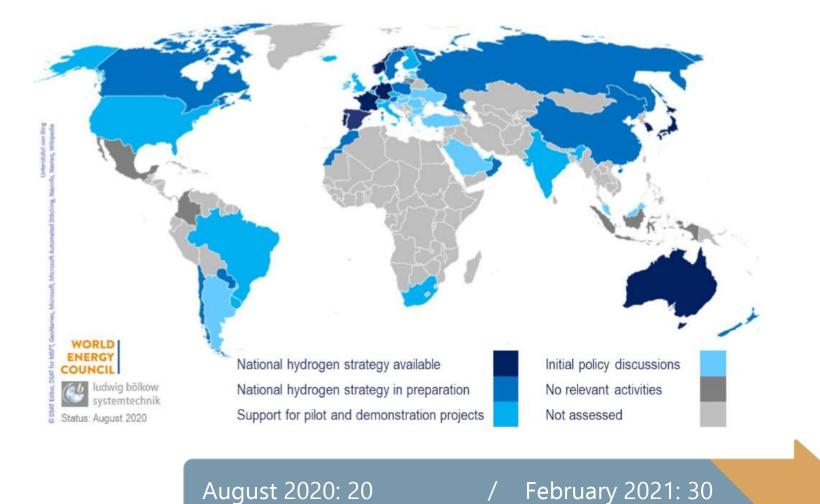
IRENA Hydrogen Analysis 2019

Green Hydrogen Middle East DoE Policy and Regulatory Framework

Hydrogen momentum is growing globally

Countrioc





Countrioc

Background (2)



DoE Hydrogen Position Paper (December 2020)



Building a cooperative mechanism between the commercial sector and the Government was one of the recommendations included in the DoE position paper.

DoE Position Paper main findings and recommendations:

- Abu Dhabi is **well positioned to capture the hydrogen opportunity** and become a leading player in a growing global market.
- Abu Dhabi has to leverage it resources supporting a **holistic approach** to all the decarbonisation technologies (blue/green/pink hydrogen).
- Abu Dhabi needs to move forward in a **coordinated approach** between the academia the industry and the Government, with the objective of **designing a Hydrogen Strategic Implementation Roadmap**.

	 	+ + +	1.0.00	1.6.1	+ + +	 . + + 1	 	 		 	 		* * *		 4.9.1	* * *	1.00	+ * *			* * *	 	 		* * *	* * *						1.1.1	3.9.4	 4.8.4				1. 1. 1.	10.00	1.0.0.		1.0.0.7	 	
۰.	 4.4.4	4.4.4	1.0.0	4.4		 	 	 		 	 	1.4.4			 4.8.1	4.4.8	4.4		* * *	4.4.4	4 4 4	 	 	4.40			0404	4.0.0		4.4.4	4.4	0.6.4	5.6.4	 		4.4.8	4.4	44.4	4.4.7	1.0.1.		1.0.0.1	 	
	 	* * *				 	 	 		 	 				 	1.4.4				* * *		 	 											 						1		1.0.0.1	 	
* 1	 		1.0.0	1.6.6		 	 	 		 	 				 		1.16	***			* * *	 	 								+ + 1		1.1.1	 	14 M.			1. 1. 1.	10.00	1.0.0		1.0.01	 	
10.1	 4.4.4	4.4.4	14.41			 	 	 	A & F	 	 			a a a	 4.4.4		1 A A				4.4.4	 	 	(a. a.)	a 'a 'a	(a. a.)	1 A A	4.4.4	(a ' a '	a.' a.' a			1.1.4	 		4.4.4	4.4	* * *	4.47	1.11.11	1. 1. 1	4 4 4 7	 	

DoE Position paper: Initial statement for AD





 	* * * * * * * * * * * * * * * * * * * *	

Hydrogen regulatory policy framework



A DoE holistic approach to Hydrogen

Strategy Hydrogen strategy and implementation roadmap

✓ Develop a Hydrogen Vision for Abu Dhabi

✓ Examine Hydrogen forecasts and outlooks

✓ Analize Hydrogen impacvt in the energy and economic systems

Policy DoE initiatives for H₂ ecosystem

- ✓Abu Dhabi Hydrogen target model
- ✓ Hydrogen targets (Transport, Industry, Power, Production) to foster Hydrogen demand
- ✓ Hydrogen Certification
- ✓ Electricity for Hydrogen production guidelines

✓ Hydrogen standards

✓ Licensing procedure for H2 production, Transport & Storage

Regulation Target model regulation development

Hydrogen regulatory policy framework



Regulatory framework to support a Hydrogen Industry in Abu Dhabi.



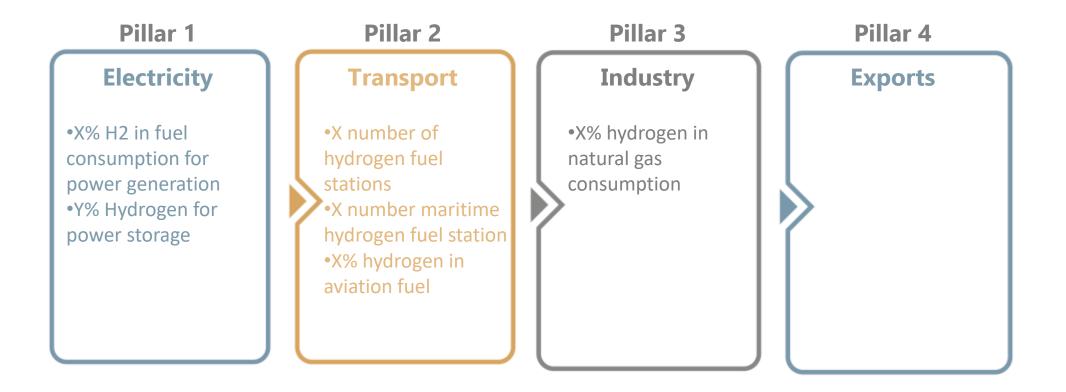
specifically referenced under energy regulations. Emirates Authority for Standardization and Metrology.



Hydrogen regulatory policy framework



A DoE holistic approach to Hydrogen



Green Hydrogen Middle East DoE Policy and Regulatory Framework

