

POWER2MOBILITY – WEB CONFERENCE

A future energy system – powering mobility before 2030

The Danish Government has launched ambitious goals of reaching a 70% sustainable energy system before 2030. How can we economically reach especially the challenges in powering mobility – what PtX technologies are ready in the short term and how will they interact with the energy system?

Conference

Tuesday 1st of December 2020,
kl 8:00–18:00

Arranged by:

IDA Energy, COWI, Energy Cluster Denmark,
IDA teknologi-vurdering, Innovationsnetværket,
Smart Energy

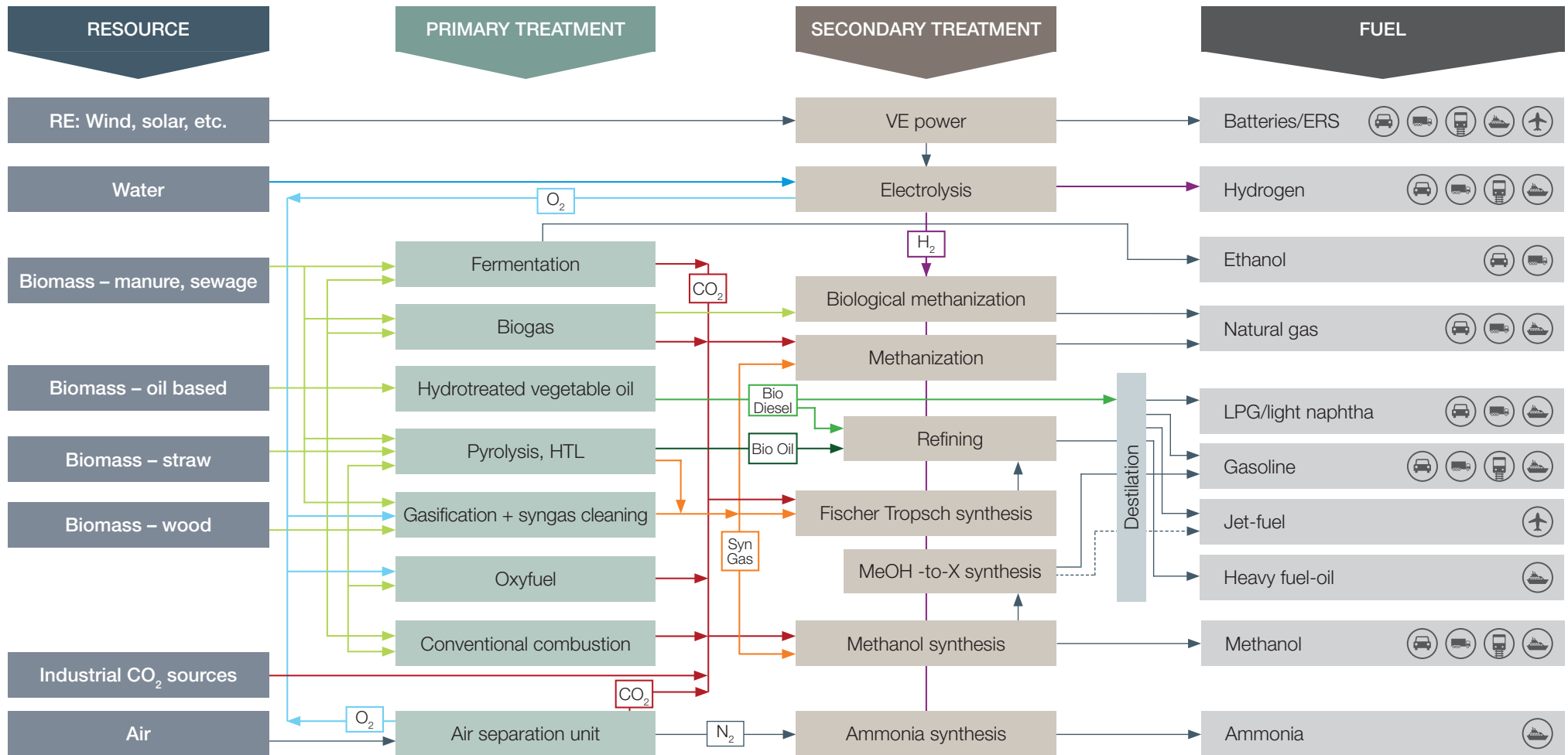
Sponsored by:

COWI A/S, IDA Energy, Energy Cluster Denmark







Free Web Conference










POWER TO MOBILITY SCHEME



POWER2MOBILITY – PROGRAM

08:30	WELCOME	
08:30		IDA Energy Thomas Damkjær Petersen President of IDA
08:35		Energy Cluster Denmark Glenda Napier CEO Energy Cluster Denmark
08:40		Power-to-X – Think big, act fast Lars-Peter Søbye CEO COWI & Chairman of Danish Industry
08:50	VISION'S FOR FUTURE TRANSPORTATION	
08:50		Vision – EU Bart Biebuyck Executive Director FCH-JU (Fuel Cells and Hydrogen joint undertaken)
09:05		Batteries, Electric Road Systems and hydrogen transport Henrik Gudmundsson , CONCITO, DK
09:20		Vision – GE Werner Diwald Chairman, German Hydrogen Association, GE
09:35	QUESTIONS	
09:50	Break	

10:20	USE OF POWER/FUEL IN TRANSPORT SECTOR	
10:20	Intro	
10:25		Hydrogen, electric or battery trains Daniel Mangold Alstom, SE
10:35		Hydrogen fuel cells Kristina Fløche Juulsgaard Director Business Development, Ballard Europe
10:45		Methanol fuel cell Mads Friis Jensen Senior specialist, Blue world
10:55		Flex-fuel-vehicle (FFV) – Create a MeOH marked now Kim Winther Senior specialist, Danish Technological Institute
11:05		Future marine engine and fuel Niels B. Clausen Senior Manager at MAN Energy Solution
11:15		Decarbonizing of Shipping Bo Cerup-Simonsen CEO Mærsk Mc-Kinney Møller Center for Zero Carbon Shipping
11:25		Future aviation Lars Wigelstorp Andersen Vice President Public Affairs & Infrastructure, SAS
11:35	QUESTIONS	
11:55	Lunch break	

13:00 RESOURCES AND ELECTROLYSIS	
13:00	Intro
13:05	 Sustainable biomass – a limited resource Niclas Scott Bentsen Associate Professor, KU
13:15	 Making e-fuel happen: RE → Electrolysis → Hydrogen Lise Lotte Lyck Manager, Regulatory Analysis, Ørsted
13:25	QUESTIONS
13:35 PRIMARY TREATMENT	
13:35	Intro
13:40	 Combustion, Oxy-firing and Post Carbon Capture Jeppe Grue Technical Director at COWI
13:50	 Oxy-firing – Power plants Nils-Peter Astrupgaard CEO EP Engineering Holding Aps & IDA Energy
14:00	 Gasification – Biomass or MSW to sustainable fuels Peter J. Nieuwenhuizen Energem
14:10	 Gasification – Overview Jesper Ahrenfeldt Head of The Biomass Gasification Group, DTU
14:20	 Pyrolysis – Hydrogen-assisted catalytic pyrolysis Anker Degn Jensen Professor at Department of Chemical & Biochemical Engineering, DTU
14:30	 Hydrothermal liquefaction (HTL) Lasse Rosendahl Head of Department of Energy Technology, AAU
14:40	 Hydrocracking and Co-processing of bio-oils (HVO) Kristen Kristensen Tech Assurance Manager, Dansk Shell
14:50	QUESTIONS
15:10	Break

15:40 SECONDARY TREATMENT	
15:40	Intro
15:45	 Thermal synthesis (NH₃, MeOH, SNG and fuels) Kim Grøn Knudsen Group Vice President at Haldor Topsoe
16:00	 Project integration – Small scale CO₂ Methanol synthesis Søren Knudsen Kær Founder CTO RE: Integrate
16:10	QUESTIONS
16:25 TRANSMISSION AND STORAGE	
16:25	Intro
16:30	 Transmission – System perspectives Anders Bavnøj Hansen Chief Engineer at Energinet
16:40	 Storage – NG, H₂, CO₂ – Vision Hans Åge Nielsen Chief Business Development Manager at Gas Storage Denmark
16:50	QUESTIONS
17:05 SYSTEM COMPARISONS	
17:05	Intro
17:10	 System comparison Marie Münster Professor DTU Management
17:20	 System feasibilities Hans-Henrik Lindboe Partner at EA Energy Analysis
17:40	QUESTIONS
18:00	Round off