16th Concawe Symposium

Evolution of Refiners' & Fuel Manufacturers' Strategic Role in the Energy Transition

8-9 October 2026

Brussels

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Overview

The Symposium will explore how transport decarbonisation can be delivered across road, aviation and maritime sectors through the evolution of powertrain technologies, low-carbon fuels and new energy feedstocks. Participants will gain insights into the implications of the EU legislative requirements for decarbonation of transport, as well as the supply chains and production technologies needed to scale low-carbon fuels.

The programme will address the key transition pathways for aviation and maritime, covering propulsion options, fuel specifications, operational requirements and infrastructure readiness. The Symposium will also examine the transformation of European refineries towards climate neutrality by 2050, highlighting competitiveness challenges and the enabling technologies required, including electrification, carbon capture, renewable hydrogen and e-fuels.

Venues

Conference: *Steigenberger Wiltcher's, Av. Louise 71, 1050 Bruxelles*
Gala Dinner: *Palais d'Egmont, Pl. du Petit Sablon 8, 1000 Bruxelles*

Day 1

8 October 2026

09:00 - 09:30	Registration & Welcome Coffee
09:30 - 09:40	Welcome & Opening Remarks
09:40 - 10:10	Keynote Speech
10:10 - 10:20	Q&As
10:20 - 13:00	**Session 1: Evolution of Refiners' & Fuel Manufacturers' Strategic role in the energy transition for Road Transport**
13:00 - 14:00	Lunch
14:00 - 17:50	**Session 2: Evolution of Refiners' & Fuel Manufacturers' Strategic role in the energy transition for Aviation & Maritime**
17:50 - 18:00	Closure of the First Day
19:00 - 22:00	Cocktail & Dinner

SESSION 1

Evolution of Refiners' & Fuel Manufacturers' Strategic role in the energy transition for Road Transport

New energy feedstocks, low-carbon fuel production and innovative powertrain technologies all need to come together to decarbonise transport.

This session will kick off the Symposium, inviting OEMs to look into the future of powertrain technologies for passenger cars and heavy-duty vehicles. This will set the scene for energy carriers required to decarbonise road transport and also cover an analysis of the consequences of the European Commission's Fit for 55 package, which aims to cut net greenhouse gas emissions by at least 55% by 2030.

The session will also provide insights into Europe's capacity to mobilise sustainable biomass for advanced biofuels under a range of demand and availability scenarios for 2030 and 2050, and it will also highlight the low-carbon fuel production technologies required to deliver these fuels at scale.

10:20 - 10:40	Fit for 55 Analysis	*Abinash Ramasary, Concawe*
10:40 - 11:00	Low-Carbon Fuel Production Technology Development	*TBC, Axens*
11:00 - 11:20	Biomass Supply Chain	*Ivan Vera Concha, TNO & Ric Hoefnagels, Utrecht University*
11:20 - 11:40	Coffee Break	
11:40 - 12:00	Powertrain Forecasts and Market Drivers: Passenger Cars	*Johannes Schmid, BMW group*
12:00 - 12:20	Powertrain Forecasts and Market Drivers: Heavy-Duty Vehicles	*Ninos Poli, Scania*
12:20 - 13:00	Q&As & Panel Discussion	

SESSION 2

Evolution of Refiners' & Fuel Manufacturers' Strategic role in the energy transition for Aviation & Maritime

The transition in the aviation and maritime sectors will be driven by the interplay of propulsion options, fuel pathways, and the infrastructure and operations that make deployment feasible. This session brings together the key technology, operational, and supply-chain considerations shaping transition pathways for each sector.

The session will start with a presentation of the non-CO_2 climate impact of aviation and the consequences for fuel production, assessing the impact of potential tightening of conventional jet fuel specifications on EU refining and on jet fuel properties. We will then explore future aviation propulsion, focusing on how emerging propulsion concepts could change the requirements for aviation energy carriers and the pace and scale of sustainable aviation fuel deployment.

For maritime, the session will begin with alternative maritime fuel mapping and forecast & implications from ship operators, showcasing a tool contracted jointly by Concawe, Aramco and CMA-CGM to compare alternative maritime fuel options and their practical implications. We will then consider how bio-oil production and uses in maritime and aviation could contribute to decarbonisation across both sectors. We will then address marine powertrains, highlighting the technical enablers needed onboard to safely, reliably, and efficiently deliver low-carbon fuels at scale.

14:00 - 14:20	Non-CO_2 Climate Impact on Aviation & What Are the Consequences of Fuel Production	*Adrian Velaers & Johan Dekeyser, Concawe*
14:20 - 14:50	Future Aviation Propulsion and Impact on Energy Carriers Roadmap	*Nicolas Jeuland, SAFRAN*

14:50 - 15:10	Challenges, Risks and Solutions for SAF Blending	*Clarisse Doucet, TotalEnergies*
15:10 - 15:30	e-SAF	*TBC INERATEC*
15:30 - 16:00	Coffee Break	
16:00 - 16:30	Alternative Maritime Fuel Mapping and Forecast & Implications from Ship Operators	*TBC, CMA CGM*
16:30 - 16:50	Bio Oil Production and Uses in Maritime and Aviation	*Duncan Akporiaye, SINTEF*
16:50 - 17:10	Maritime Powertrains	*Julia Svensson, Everllence*
17:10 - 17:50	Q&As & Panel Discussion	

Day 2

9 October 2026

08:30 - 09:00	Welcome Coffee
09:00 - 09:10	Introduction
09:10 - 09:40	Keynote Speech: EU Refining Competitiveness
09:40 - 09:50	Q&As
09:50 - 13:00	**Session 3: Refinery Competitiveness & Transformation**
13:00 - 13:10	Symposium Conclusions
13:10 - 14:30	Lunch Break

SESSION 3

Refinery Competitiveness & Transformation

This 3rd session will cover the difficulties along the transformation journey of reaching climate neutrality by 2050 for the European refineries.

It will gather insights on new hurdles set to European Fuel Manufacturers by new EU methane regulation, on challenges to convert a fossil fuel refinery to a biorefinery, on electrifying refinery processes, on designing and building new carbon capture facilities and kick-starting renewable hydrogen and e-fuels investment studies and projects. All of this is only possible if the current refineries continue to be competitive with their peers around the world and can generate enough cash flows to invest in the transformation as required by the regulators and other stakeholders.

The speakers will compare the merits and challenges of the different enabling technologies, focus on multi-contribution scenarios and also present projects, showing how the fuel manufacturing industry can contribute and do its share of the transition.

09:50 - 13:00	**Session 3: Refinery Competitiveness & Transformation**	
09:50 - 10:10	Wood Mackenzie Methane Study	*Abinash Ramasary, Concawe*
10:10 - 10:30	Refinery Transformation to Biorefinery	*TBC, ENILIVE*
10:30 - 10:50	Refinery Electrification	*TBC, Schneider Electric*
10:50 - 11:10	Inclusion of Electrolysers in Refinery	*Jeffrey Martin, Shell*
11:10 - 11:40	Coffee break	
11:40 - 12:00	CCS Case Study	*Jasper Ros, TNO*
12:00 - 12:40	Refinery Decarbonisation / Blue Hydrogen	*TBC, Essar*
12:40 - 13:00	Q&As & Panel Discussion	