

## Recent transport biofuel activities

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November 2018



### **Factoring in the environmental component when starting up projects IPL attends Bioenergy Australia conference**

In October, IPL attended the Bioenergy Conference in Australia. By attending the conference, IPL were able to find out more about all the different projects that are taking shape in the Bioenergy sphere.

Attendees were clearly interested in noting how to factor in the environmental component when starting up projects. Whether it is making green energy/electricity for the grid or to get people places, bioenergy projects are definitely on the rise and more and more companies want to have a go at it. In order to carry out the R&D, better structures and support from governmental institutions are yet to be implemented but things are slowly moving forward particularly when big companies are making their position clear around incorporating bioenergy in their overall strategies.

A few interesting facts:

- Currently all LAX flights are flying on a 30:70 blend of synthetic to refined jet fuel
- An expected growth from 2.5% to 25% by 2050 in the use of biotreater type waste to produce electricity for the grid
- E-buses are in high demand to reduce particulate contamination in countries such as London, France and Germany
- Transport fleet such as Scania are modifying their offering to take advantage of Biodiesel, HVO, Ethanol – ED95, Biogas, CNG, Hybrids and Electrics.

This conference was very informative on the progress being made with new innovation development. As a lab that carries out a lot of testing for the transport industry (all types included), it was a perfect opportunity to find out first hand where things are heading and how best to move forwards to keep supporting this industry. #bioenergystrong2018

### **IPL invited to take part in South East Pacific Aviation Focus Group John Morris Aviation Conference**

As one of the renowned laboratories providing Aviation Fuel testing in the South East Pacific, IPL was invited to take part to this first Aviation focus group, which included specialists from the whole network.

## Bioenergy in the news

Throughout this conference, it was highlighted how important the role of testing plays in the Aviation Fuel life cycle. Testing establishes whether the Aviation Fuel meets the specifications and if it is fit for purpose, therefore highlighting any potential risks inherent in getting a plane from A to B.

There are currently 2 test methods in use to recertify Aviation Fuel, ASTM D1655 and DefStan 90-091. The differences between the two test methods were highlighted during this conference. The ASTM D7566 test method was also addressed as the blend stock regulation, for renewable jet fuel, which is also on the increase.

As people increase their travels, a 57% growth in the aviation industry is expected in the next 50 years. Currently being responsible for approximately 2% of the world CO2 emissions. The need for forward thinking and innovation is of primary importance. IPL was pleased to be part of this event addressing things like how to develop more fuel economic planes and how to work towards extending the use of green fuel to this industry. #aviationconference #biojet #aviationfuel

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