Decarbonising transport with Advanced Biofuels

What does it take?

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Adding value to biomass by processing to advanced biofuels and to biochemicals
Technology Valley of death: Positioning of FP7 supported technologies

From Demo to 1st of a kind
- Synthetic bio DME, bio CH₄

From R&D to Demo
- Algae
- Bio-Kerosene

From Lab to Pilot
- Microbial

R&D phase in lab -> R&D phase in pilot -> R&D phase in demo

First of a kind Pyrolysis oils intermediate

2nd plant

3rd plant

4th plant

Commercialisation Lignocellulosic Ethanol

Competitive market price
Project specification to construction completion: 3-4 yrs
Commissioning: 4 months
Life time: 25 yrs
Approximate pay back: 7-10 yrs

Project specification to construction completion: 4 yrs
Commissioning: 3-6 months
Life time: 15-20 yrs
Approximate pay back: 15 yrs
Time to construct an advanced biofuel plant

- **Project decision**: 1/07/2018
- **Permits**: 6m, 31/12/2018
- **Construction**: 36m, 31/12/2021
- **Commissioning**: 6m, 30/06/2022
- **Investment certainty**: 3y
- **Life time of installation**: 15 y = 2036
- **RED II Proposal**: 31/11/2016
- **RED II**: 30/06/2018
- **RED II revision**: 30/06/2025
Do advanced biofuels have a significant role to play in decarbonising transport up to 2030?

Yes or NO??

If YES,
then any new policy initiative for advanced biofuels must provide a stable framework up to 2030.