

"We need to provide regulatory certainty as early as possible for investors in low-carbon technologies to spur research, development and innovation and upscaling and industrialisation of supply chains for new technologies."

European Union Energy Strategy 2030

Predictable regulation drives investments

- The best way to promote the use of biofuels and investments is a predictable regulatory framework, both on a national and on a European level.
- RED II proposal creates a good starting point but we need to know the final content soon or there is a risk that imported biofuels flood the market before European production takes off.
- Sustainability at the heart of biofuel regulation all biomass based raw material should be subject to the same sustainability criteria regardless of their end use.

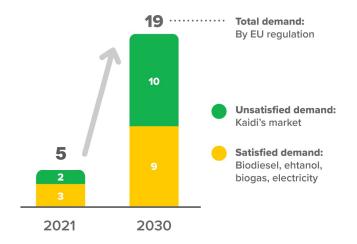




EU market demand will exceed supply by 2020

- Europe is the world's largest biofuel market. Demand for biofuels will exceed supply on this market by 2020.
- The EU's Renewable Energy Directive (REDII) defines ambitious targets for transport biofuels for 2021-2030 and thereby boost demand for biofuels.
- The Finnish government aims to increase the use of biofuels to 30% by 2030. To reach this target, domestic biofuel production need to be boosted by 600,000 tons.

EU market size for biofuels (Mtoe)





A pioneering biofuel refinery to Kemi by 2019

Kaidi will produce 225 thousand MT of sustainable wood-based biofuel annually using unique gasification technology.



The biorefinery will create hundreds of jobs via service providers.



4/1/2017





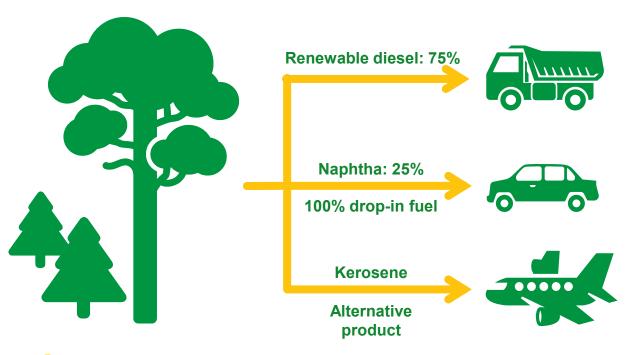
The total biorefinery investment is worth up to 900 000 000 €.

Out of Kaidi's output, 75% is renewable diesel and 25% is bio-naphtha (gasoline).



Kaidi is a leading bioenergy producer with operations in 24 Chinese provinces and in Vietnam.

Kaidi's product portfolio: wood based drop-in biofuels



"The most cost-effective way to decrease emissions is the investment in advanced domestically produced drop-in biofuels."

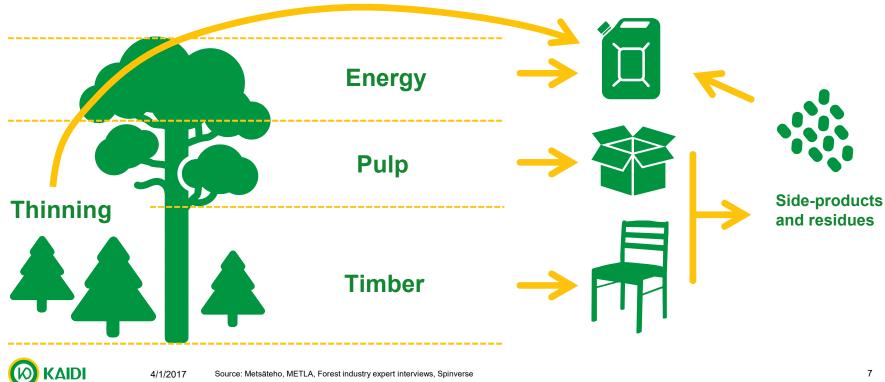
Technical Research Centre VTT & Institute for Economic Research VATT*



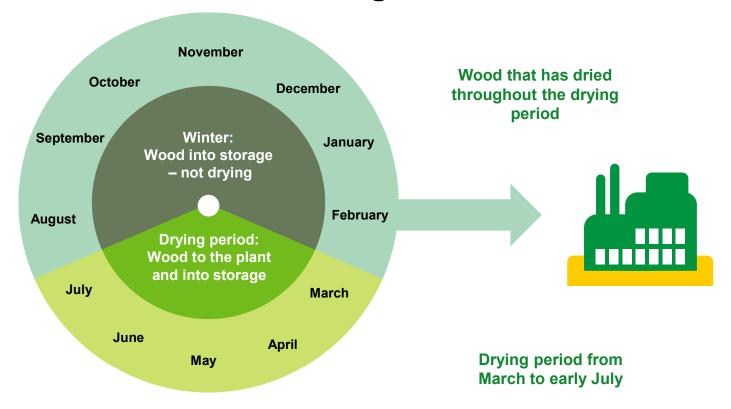
4/1/2017

Source: VTT ja VATT (2015): Tieliikenteen 40 %:n hiilidioksidipäästöjen vähentäminen vuoteen 2030: Käyttövoimavaihtoehdot ja niiden kansantaloudelliset vaikutukset. 6

Kaidi uses a variety of feedstocks to produce biofuels and contributes to the circular economy



Annual clock for wood sourcing





01/04/2017

Wide sourcing area, abundant feedstock, challenging logistics



