

# Petrogenium.

## RENEWABLE RESOURCES SERVICES



**Renewable Resources can assist refiners, airlines, investors and consulting firms with independent technology assessment, technical due diligence on routes to SAF, HVO, advanced biofuels and coprocessing RDF or converting plastic wastes to recyclable oils. We offer ready-to-go services proven on multiple assets and help you make the right choices.**

**Petrogenium.** offers refiners, airlines, investors, Greentech funds, and top consulting firms comprehensive services. These include technical advice on routes to renewable diesel, SAF (HEFA, Methanol to Jet, Ethanol to Jet, others) and advanced biofuels, as well as the conversion of biomass, municipal solid waste, and waste plastics to fuels. We provide "roadmap to market" support, from lab to commercial unit, offer advice on greening refineries, identifying opportunities for SAF or renewable diesel, technology assessment, technical due diligence, and personnel

### Successfully completed studies

Our successfully completed projects include technical due diligence on SAF opportunities in the USA and Europe, techno-economic landscaping for waste-to-fuel conversion for a Middle Eastern Oil and Gas company, and helpdesk advice for an SE Asia refiner on HVO and SAF. Other notable projects include a technology assurance review and engineering review for European airlines, training courses on Renewables in Thailand, and technical DD for an HVO plant in China. We have provided techno-economic assessments for new FAME plants in Singapore, advised international airlines on SAF plans, and conducted technical

**With increasing attention for the Energy Transition, changes in incentives and mandates more and more refiners, airlines, investors and consulting firms have benefited in the past 7 years from our pragmatic approach to strategic and operational advice and services. These include technology assessment and technical due diligence, identifying opportunities to manufacture SAF and renewable diesel, and advanced biofuels. We provide tangible benefits & synergies by leveraging Petrogenium's extensive in-house multi-disciplinary expertise.**

due diligence on biofeed co-processing and future SAF strategies for European refiners. Additionally, we have performed comprehensive benchmarking of biofuels, expert studies on recycled plastic feedstocks, feasibility studies for green refinery conversions, and acted as technical advisors in patent appeal cases. Our expertise extends to evaluating competitors' chemical processes and delivering workshops on bio feed processing and advanced biofuels.

## Renewable Resources Service Benefits:

Our support includes:

- Commercializing biofuels processes and complying with changing mandates.
- Assessment of routes to SAF, HVO, Methanol to Jet, Ethanol to Jet, coprocessing and gasification/Fischer Tropsch routes leveraging extensive hands-on expertise.
- Providing technology assessment and technical due diligence, aiding private equity and top consultancy firms in investment decisions.
- Analysis of existing processes and advise on improvements (“2nd pair of eyes review”)
- Offer robust comparisons of competing technologies based on deep process technology and economic evaluations.
- Leveraging multi-disciplinary expertise in biofuels, Renewable Refining, refining technologies, and operational excellence.
- Accelerating technology maturation from R&D to commercialization. Roadmap to market” support (lab to commercial unit)



### Why select Petrogenium.?

The above support will be provided by principal consultants with 30+ years world-class energy efficiency experience in the technology and hands-on know-how from operation of refinery units.

***Because Experience Matters***

[www.petrogenium.com](http://www.petrogenium.com)

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