

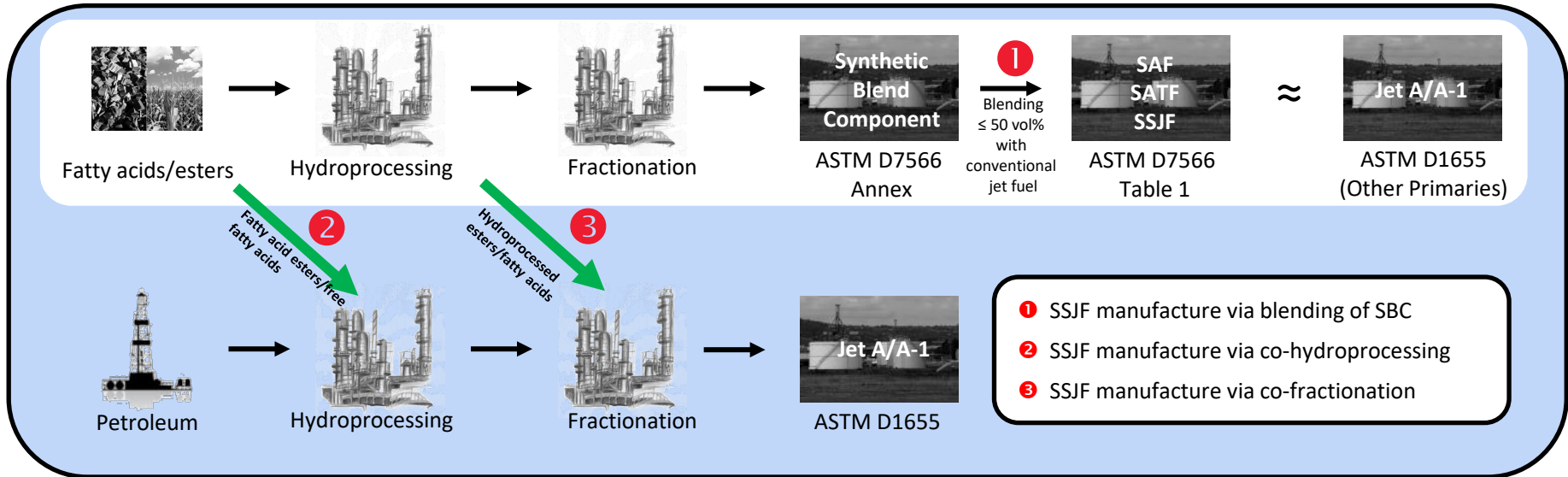
ExxonMobil SSJF Technology

April 2024

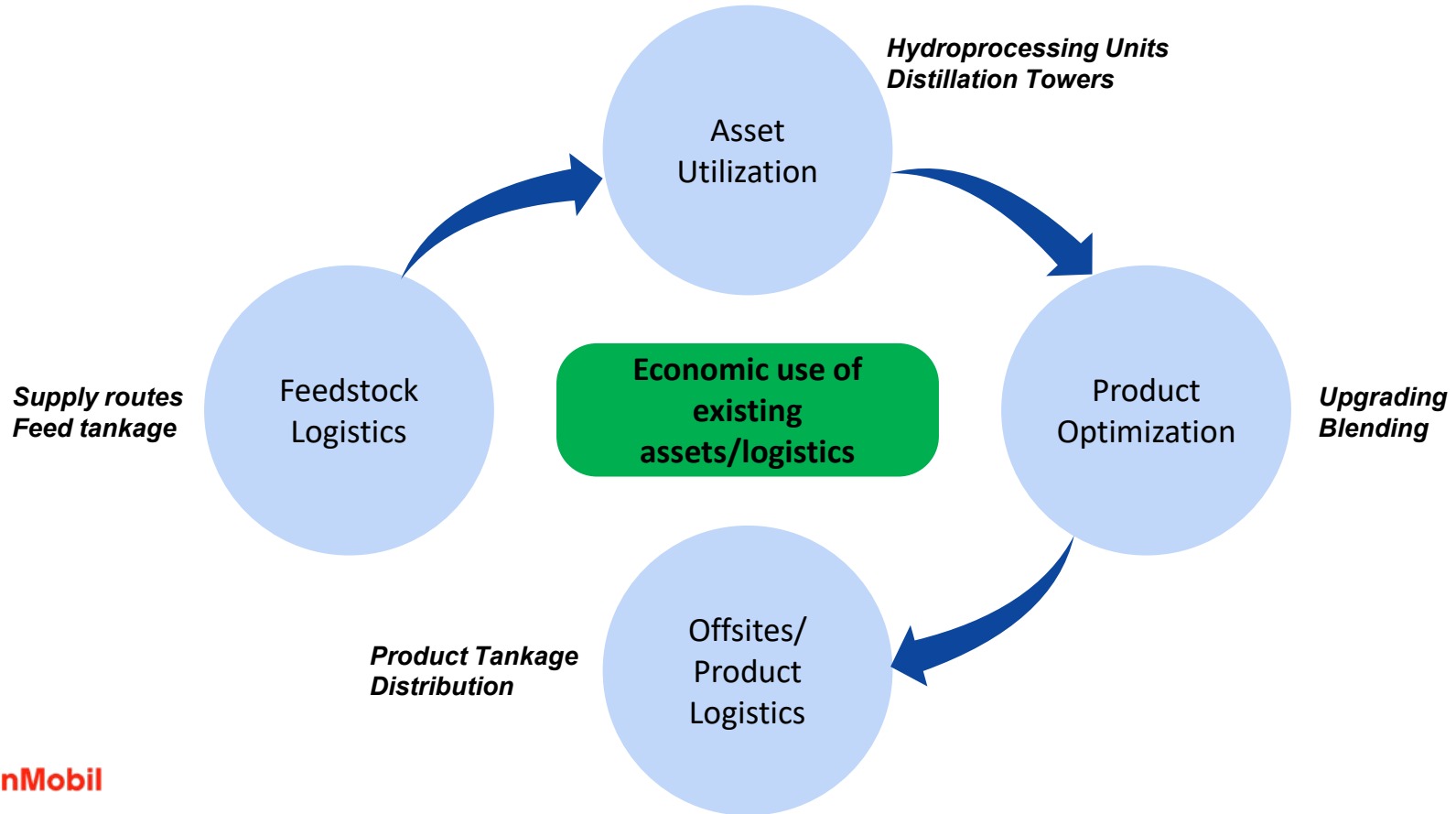
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Semi-Synthetic Jet Fuel (SSJF) can be produced via blending or co-processing (Note: Many in the industry refer to SSJF as SAF)

- Pathway ① produces SSJF through blending of a synthetic blend component with a petroleum stream
 - Most ASTM D7566 pathways may be blended up to 50 vol% with a petroleum stream
- Pathways ② and ③ produce SSJF through simultaneous co-processing
 - Co-processing is currently permitted up to 5 or 10 vol% depending on feedstock

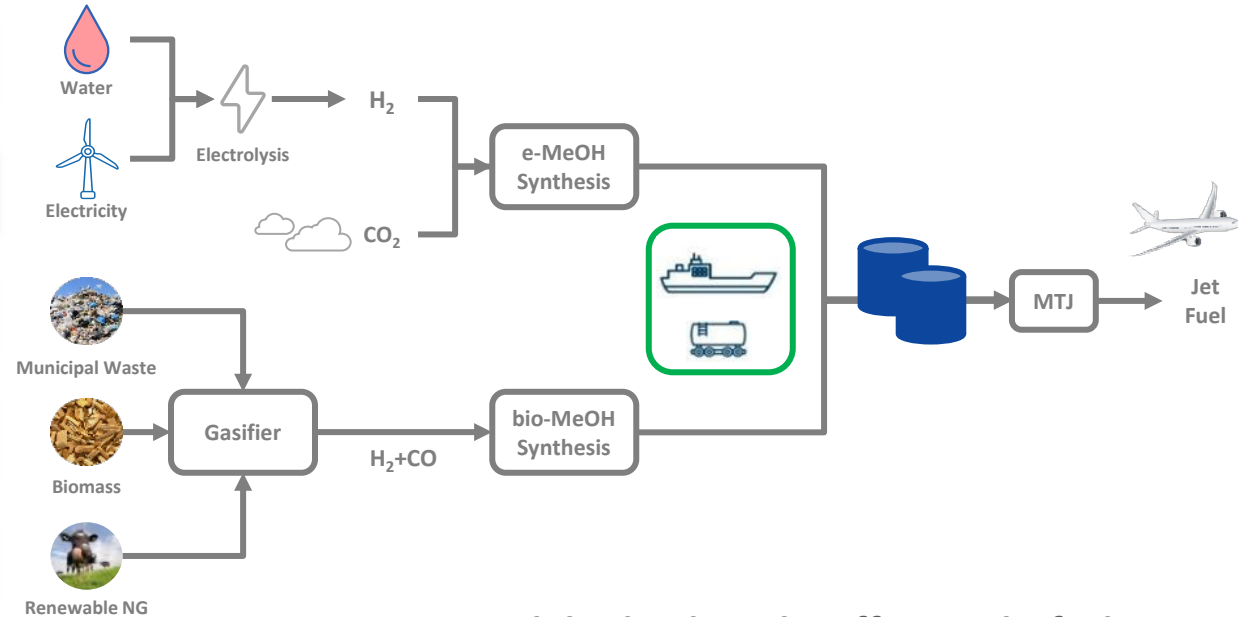


What are some potential advantages of co-processing?



Methanol to Jet (MTJ) technology provides potential advantages and feedstock flexibility

- Jet yield and selectivity ✓
- Intermittent operation ✓
- Feed flexibility ✓
- Scale advantage ✓
- Product flexibility ✓
- ASTM pathway evaluation



ExxonMobil is leading the effort to draft the ASTM D4054 Phase 1 research report for evaluation by the aviation OEMs

Thank you

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