



Corporate Facts

- Privately held Company Dallas HDQ, Salem OR
- 2016 Revenue \$1.1 Billion USD
- 102 associates
- 260 World wide locations
- EPIC manages our own Credit Cards programs - Signature
- Joint Branding venture with UV Air Network
- Commercial fuel sales in both ground fuels and marine segment fastest growing
- Rolling fleet of 105 railcars and 250 fueling trucks
- Aviation fuel supplier with extensive renewable fuel project experience to move to other sectors
- EPIC is working closely with GEVO, Altair and Good fuels to grow our renewable fuel usage

Advanced sustainable fuels is the best option for reducing the carbon footprint of the following transport segments:

Aviation



Shipping



Heavy road & Rail



NGO's support the fact that for these sectors, **sustainable biofuels** are the best option for **reducing the carbon footprint** significantly.





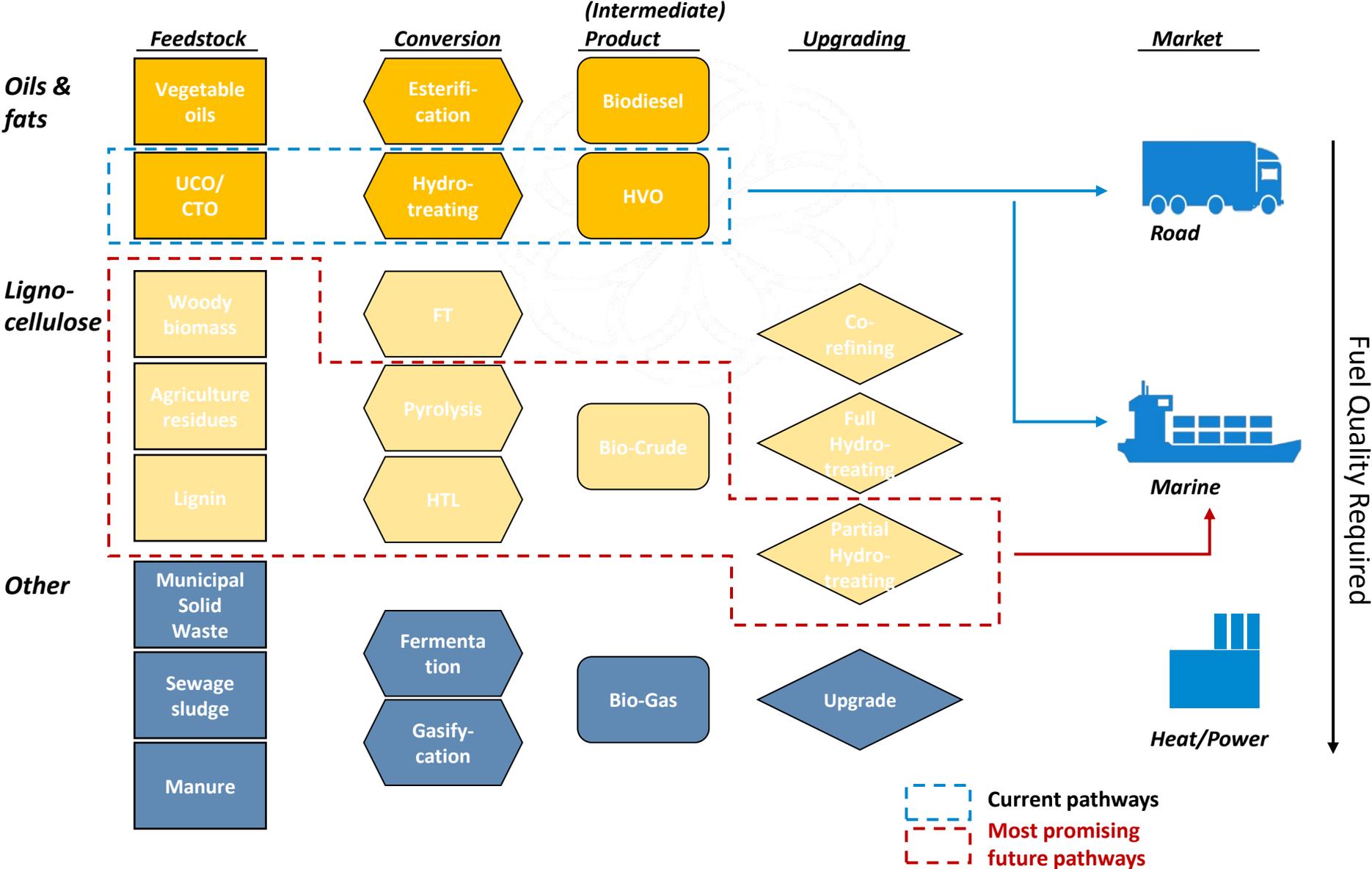
The three feedstock types that are available for sustainable marine biofuel production are

- 1) **Waste oils** (e.g. Used Cooking Oil (UCO),
- 2) **Processing waste** (e.g. animal tallow,)
- 3) **Lignocellulosic biomass** (e.g. agricultural residues).

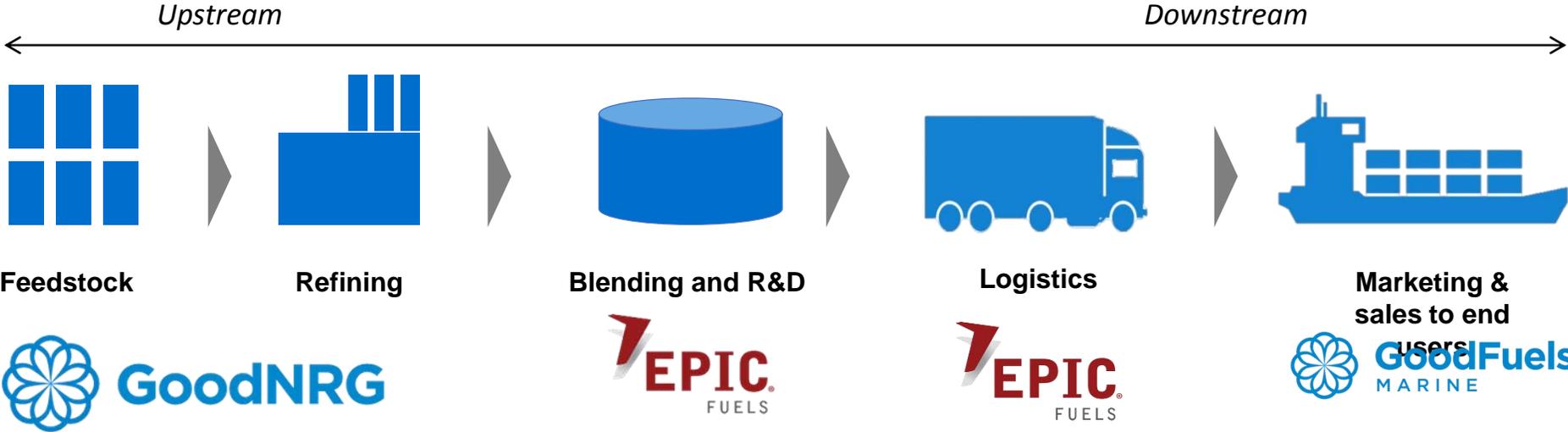
While the first two provide the closest to market option (available now), the scaling potential is mostly found in the third category.

Especially for marine applications, Lignocellulosic material converted by thermochemical technologies offers a great opportunity. **Low-grade bio-HFO can be produced without the need for extensive and expensive upgrading steps, leading to a 'just good-enough' biofuel matching marine engine requirements.**

Especially for marine biofuels there is a massive opportunities to unlock streams that cannot be used in regular road diesel or the jet pool- but can be used in a marine engine.



We focus on downstream marketing & sales, midstream R&D, Blending, logistics and feedstock development. Refining and logistics is done by our partners.



The rise of low carbon marine fuels is a very logical one

Opportunities

- Fuel testing and development: Technical and operational optimization of biofuel use.
- Sustainability: Advancement of the standards for truly sustainable biofuels.
- Scaling of production: Increase commercial-scale production of sustainable biofuels



GoodFuels rationale – comparison to other fuel alternatives

The charm of advanced biofuels lies with its potential to solve difficult challenges. Today, it is the only option providing a full answer to decarbonisation without compromise.

- ⊗ **Truly sustainable as of tomorrow**
 - Immediately applicable for existing fleet.
- ⊗ **Reliability maintained**
 - Premium quality fuel products boosting performance.
 - Secondary fuel for LNG & plug-in hybrid vessels.
 - Power back up for full-electric and hydrogen vessels.
- ⊗ **Full flexibility and choice reversibility**
 - Any blend, any vessel/truck/train, anywhere.

Environmental impact:

75 – 90* CO₂ reduction
 100% SO_x reduction
 10% NO_x reduction
 30% reduction of PM10

* (Well-to-Propeller value)

	Emission reductions			Needs	
	CO ₂	SO _x	NO _x	Engine modification	Infrastructural developments
Waste-based (bio)fuels	75 - 90%	100%	10%	NO	NO
LSMGO	0%	95%	0%	NO	NO
MGO + Scrubber	-5%	95%	10%	YES	NO
LNG	0%	100%	90%	YES	YES