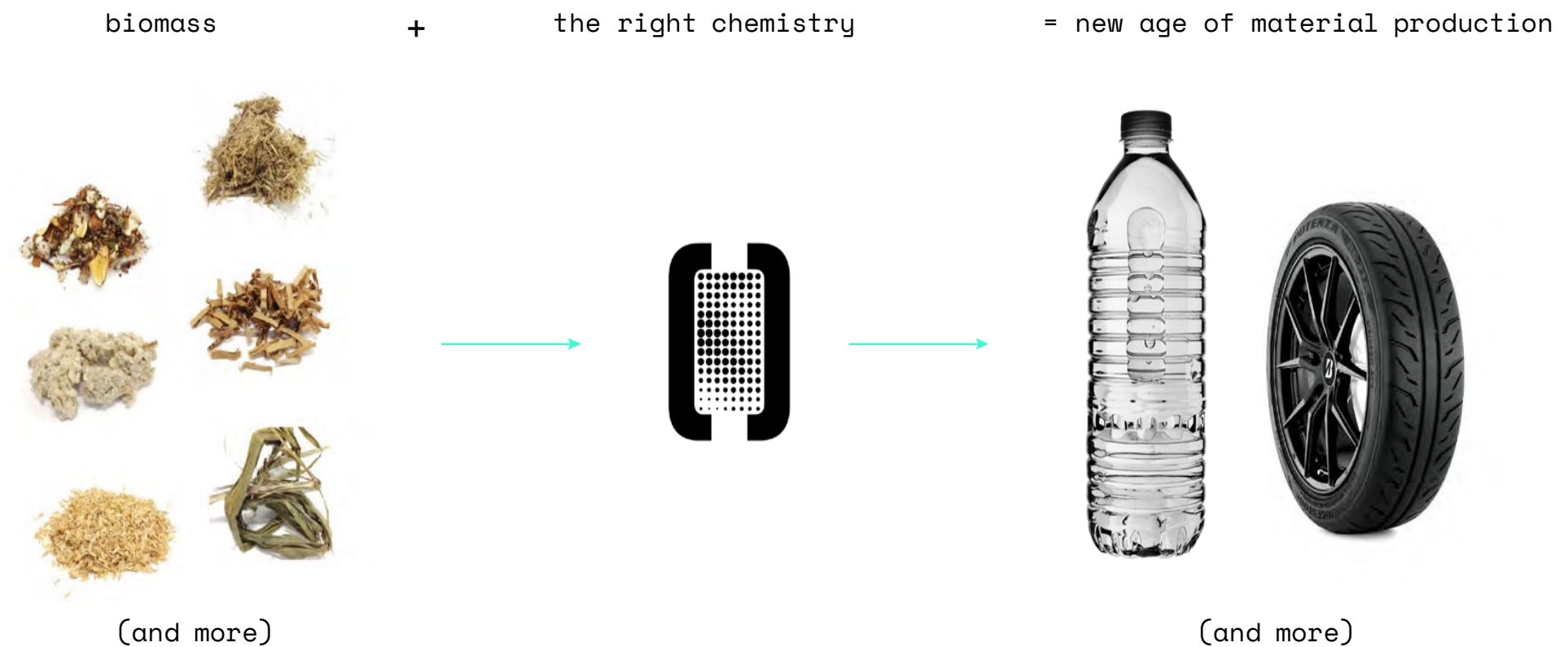

ORIGIN

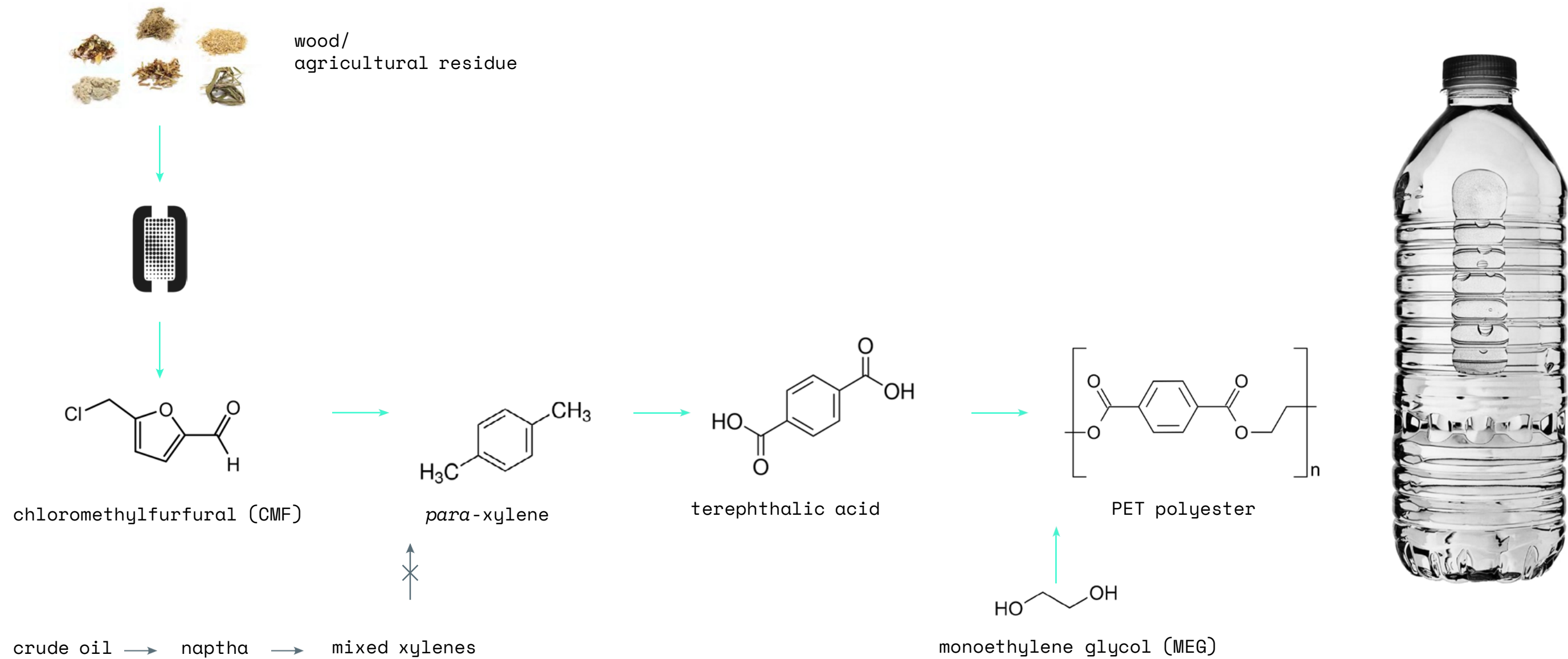
Scaling Up 2018

ORIGIN MATERIALS

- **Chemistry/materials company** founded in 2008 with offices and plants in California and Ontario, Canada
- **Proprietary technology platform** replaces petroleum with cheap, renewable feedstocks (e.g. pine and spruce, wood waste, waste paper, board, agricultural residue) to create building-block intermediates
- **Identical or better** functionality for downstream applications (PET plastic, tire blacks, etc.)
- **Strong unit economics** beat oil at any realistic price
- **Committed customers:** Nestlé, Danone, PepsiCo; intend to transition \$5B annual PET spend to 100% renewable plastic
- **Global IP protection**














PATHWAY TO PET PLASTIC

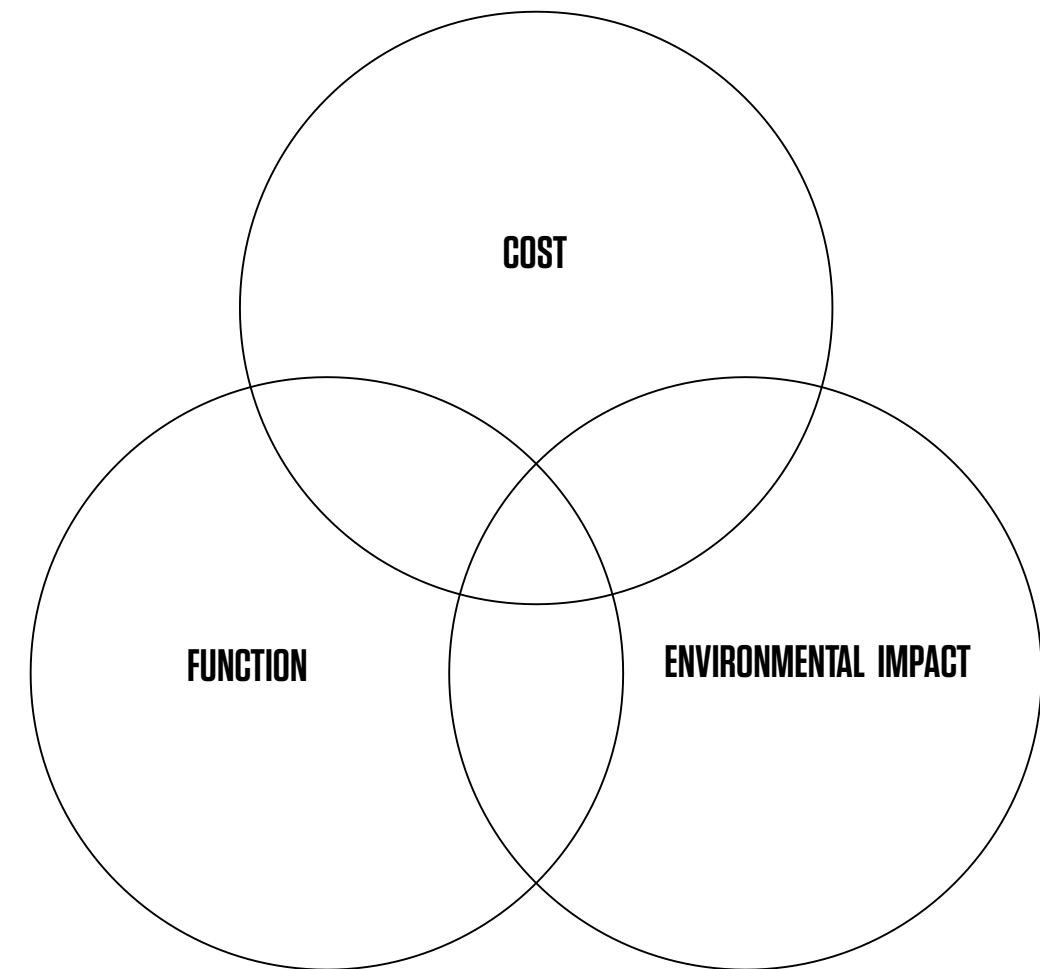


WHAT MAKES ORIGIN DIFFERENT?

- Large value uplift (single-step reaction from biomass to isolated valuable intermediate chemical products)
- Produces bio-PET plastic (plastic best-supported by recycling infrastructure) and secured hundreds of millions dollars of offtake agreements
- Nearly 100% carbon sequestration with no carbon loss (low-GHG chemicals)

		Market size	GHGS Avoided Annually	
	PET (PX)	75M MT	136M ton CO ₂ e	
	Wood Adhesive	10M MT	64M ton CO ₂ e	
	Carbon Black	15M MT	74M ton CO ₂ e	
	Building Materials (CLT)	272M MT	393M ton CO ₂ e	
	Polyester (FDCA)	84M MT	330M ton CO ₂ e	
	AG. Products (Slow Urea)	147M MT	524M ton CO ₂ e	

Carbon credits in numerous jurisdictions could boost revenue significantly.



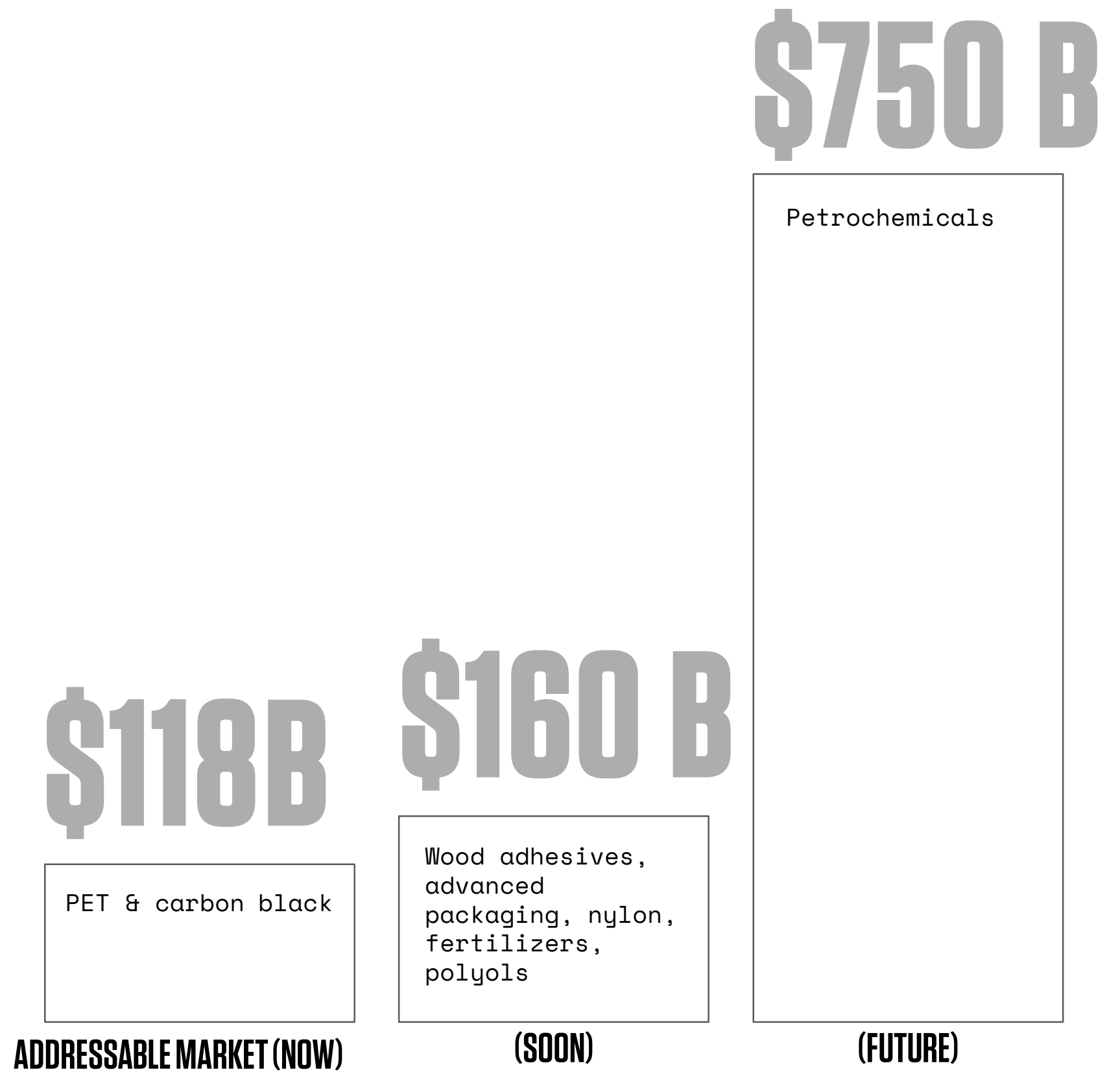
MARKET OPPORTUNITY

Petroleum is the primary feedstock for ubiquitous products like water bottles, nylon, and tires.

Origin cost effectively removes petroleum for a greater than \$1 trillion addressable market—petrochemicals, commodity chemicals, and specialty chemicals—with an initial focus on a \$278 billion market.

Origin's technology is capable of addressing demand in PET, carbon black, wood adhesives, advanced packaging, nylon, fertilizers, polyols, and the petrochemicals market at large.

And it does so while reducing greenhouse gas emissions.



PARTNERS: “NEW ALLIANCE TO DEVELOP 100% BIO-BASED PET BOTTLES.”



“We believe it’s possible to replace traditional fossil materials with bio-based packaging materials. By teaming up and bringing together our complementary expertise and resources, the Alliance can move faster in developing 100 percent renewable and recyclable PET plastic at commercial scale.”

– Frederic Jouin, Head of R&D for plastic materials at Danone, April 26, 2017



A new kind of bottle:
Towards 100% bio-based PET.

100% bio-based PET.

95% bio-based PET or more by end of 2023.

60% bio-based PET by 2020.

20% bio-based PET possible in market per existing technology.

0%

THANK YOU.