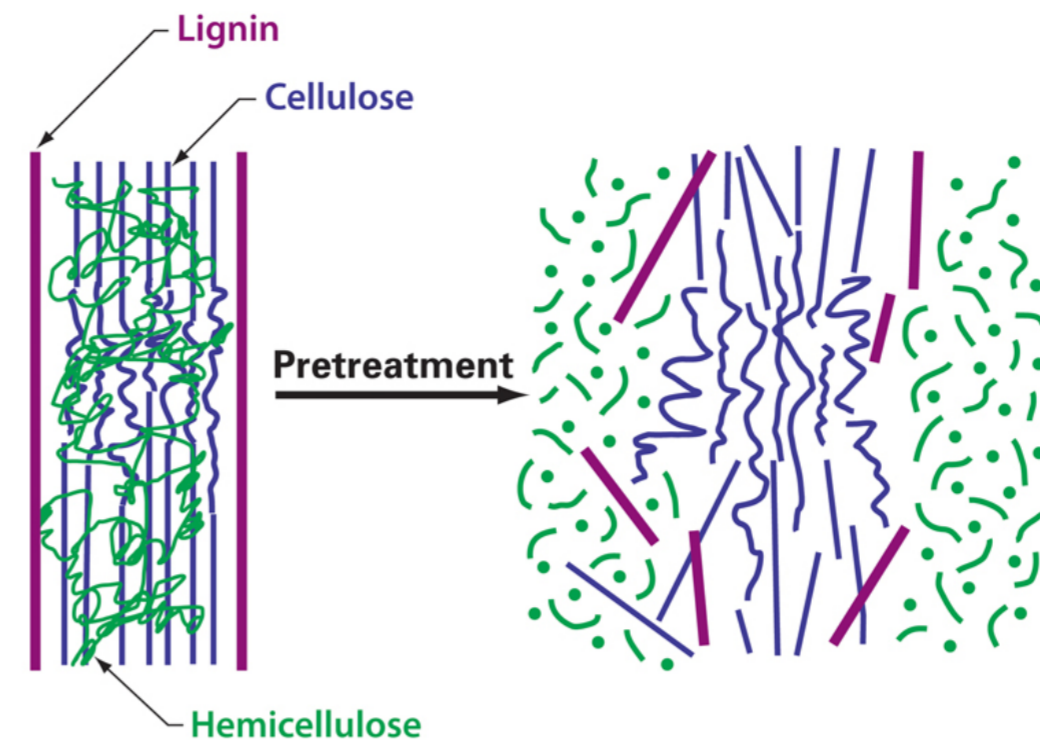


Mission: We tackle environmental challenges and climate change with sustainable, circular economy solutions by reducing biomass volumes, no secondary waste and generating energy savings through continuous innovation, customer-centricity and competitiveness in international markets.

Problem statement

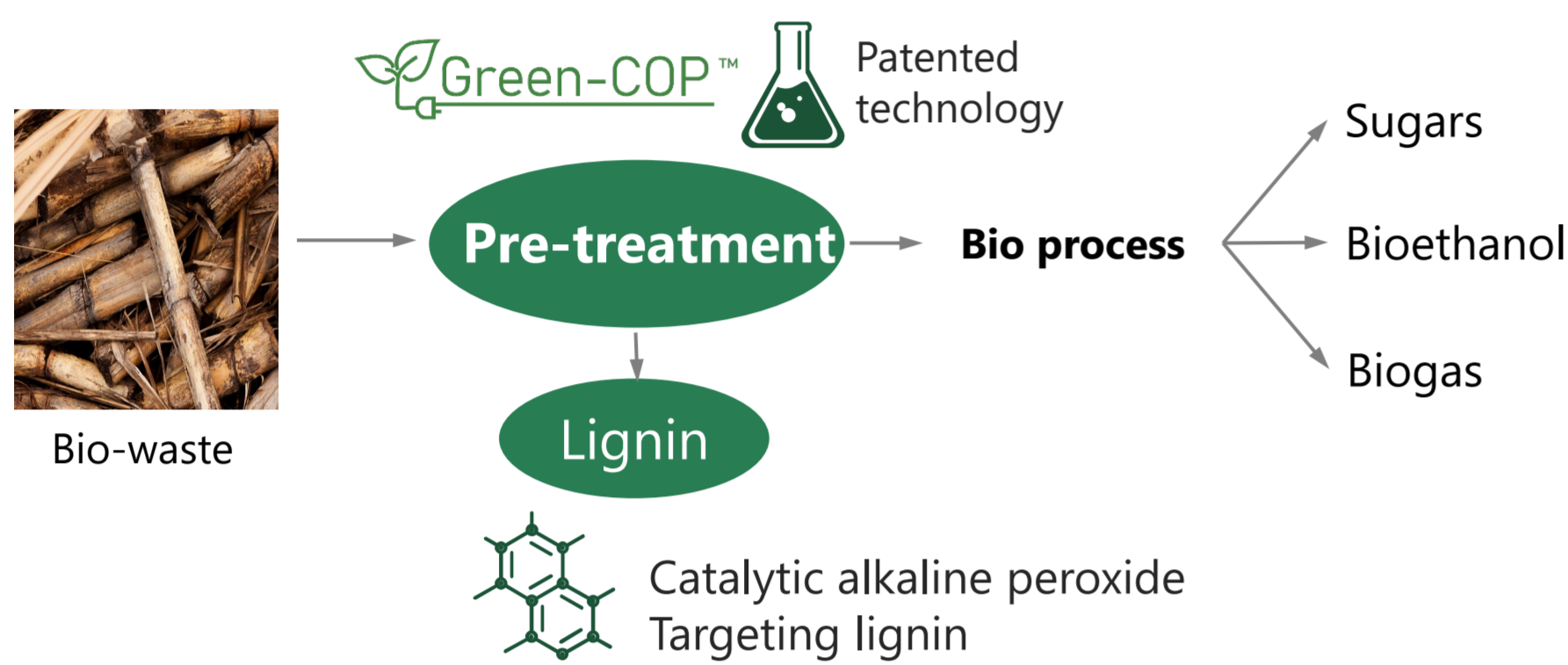
- Human activities and burning of fossil fuels are the main cause of global warming. The worst impacts of climate change could be irreversible by 2030.
- 180 000 000 tonnes of lignocellulosic feedstocks are burnt every year**
- We can convert this unused biomass into valuable byproducts and as an alternative to fossil fuels. Doing our part to fight climate change → There is a need for cost-effective solution to treat biomass



Biomass is composed of 3 main elements. Separating them is a challenge because:

- ❑ High production costs
- ❑ Not easily extractable
- ❑ Current pre-treatment methods do not solublise the structure of lignin

Green-COP Solution

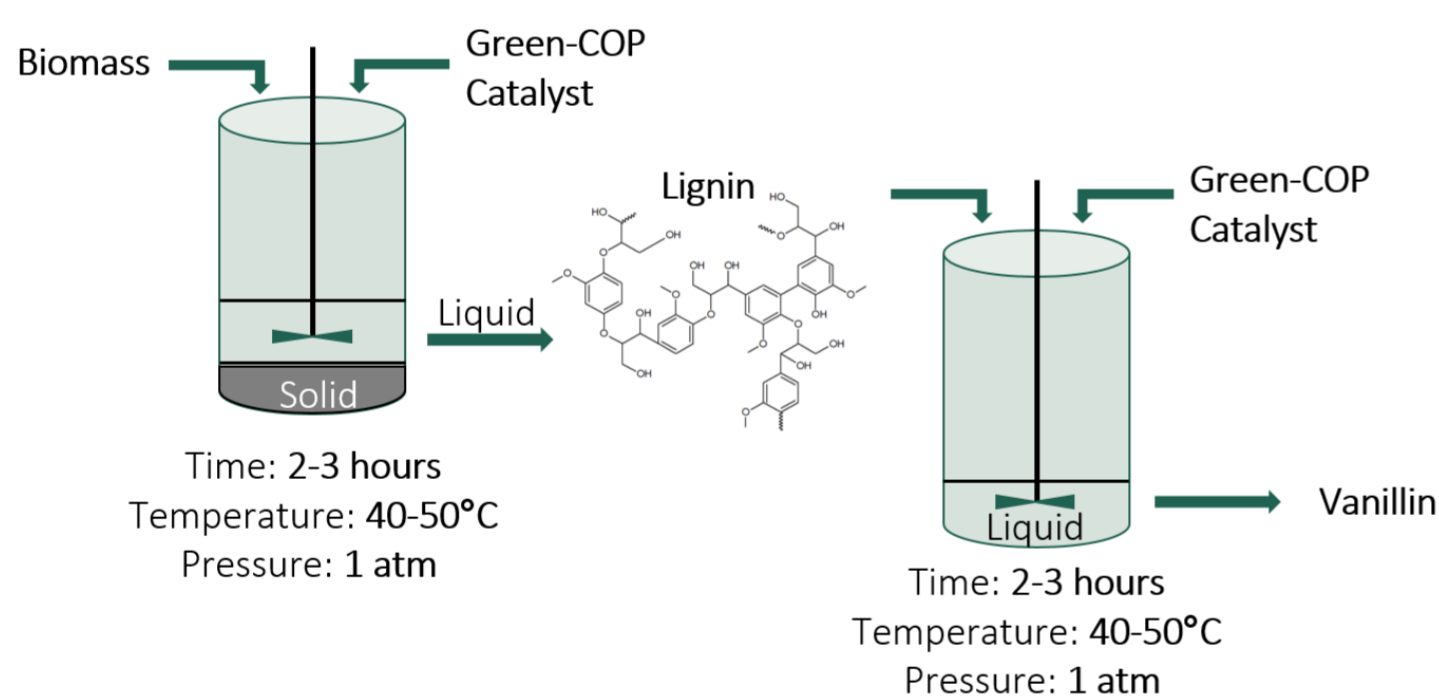
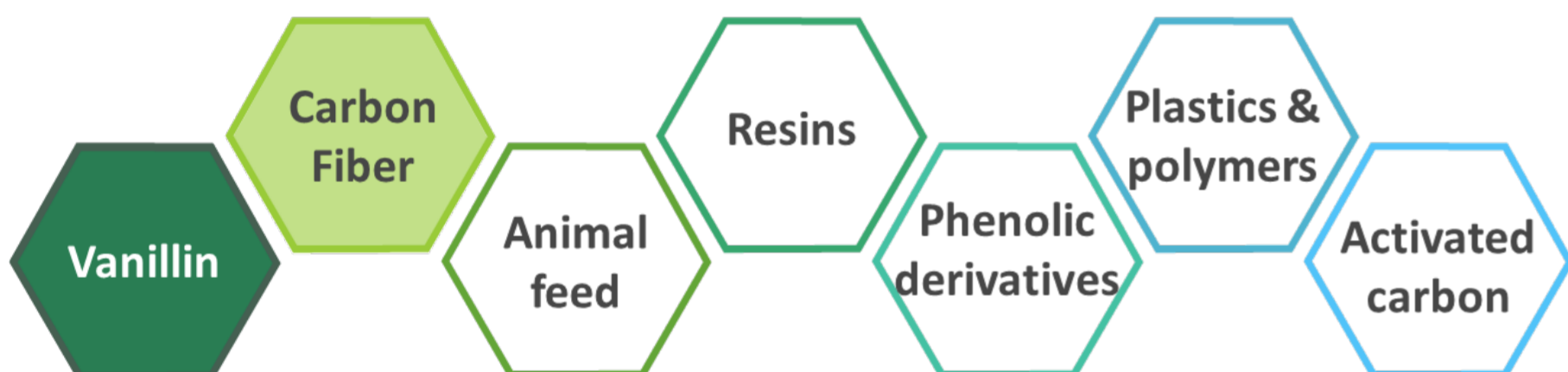


Competitive advantages

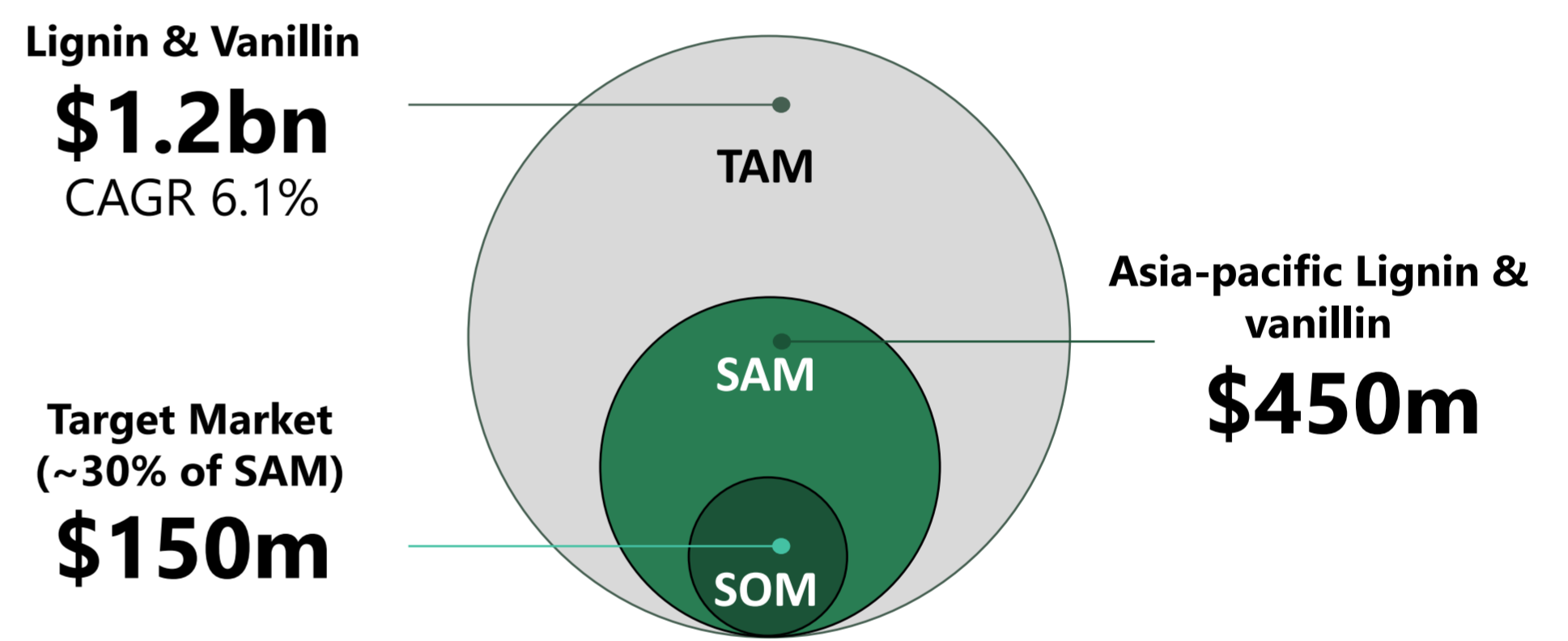


Lignin can be transformed

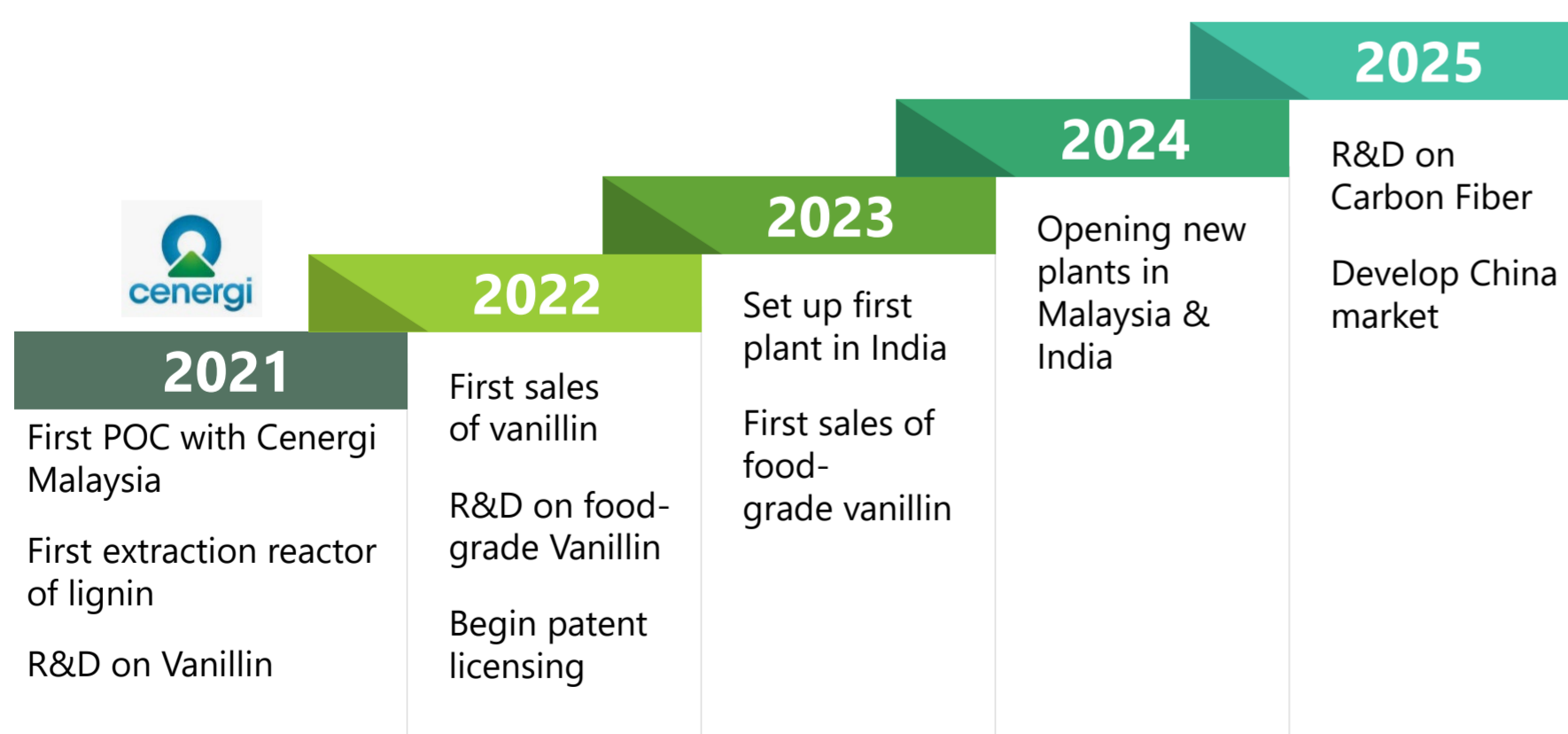
At Green-COP we extract lignin and convert it into Vanillin, Carbon Fiber and potentially replace petroleum-based chemical.



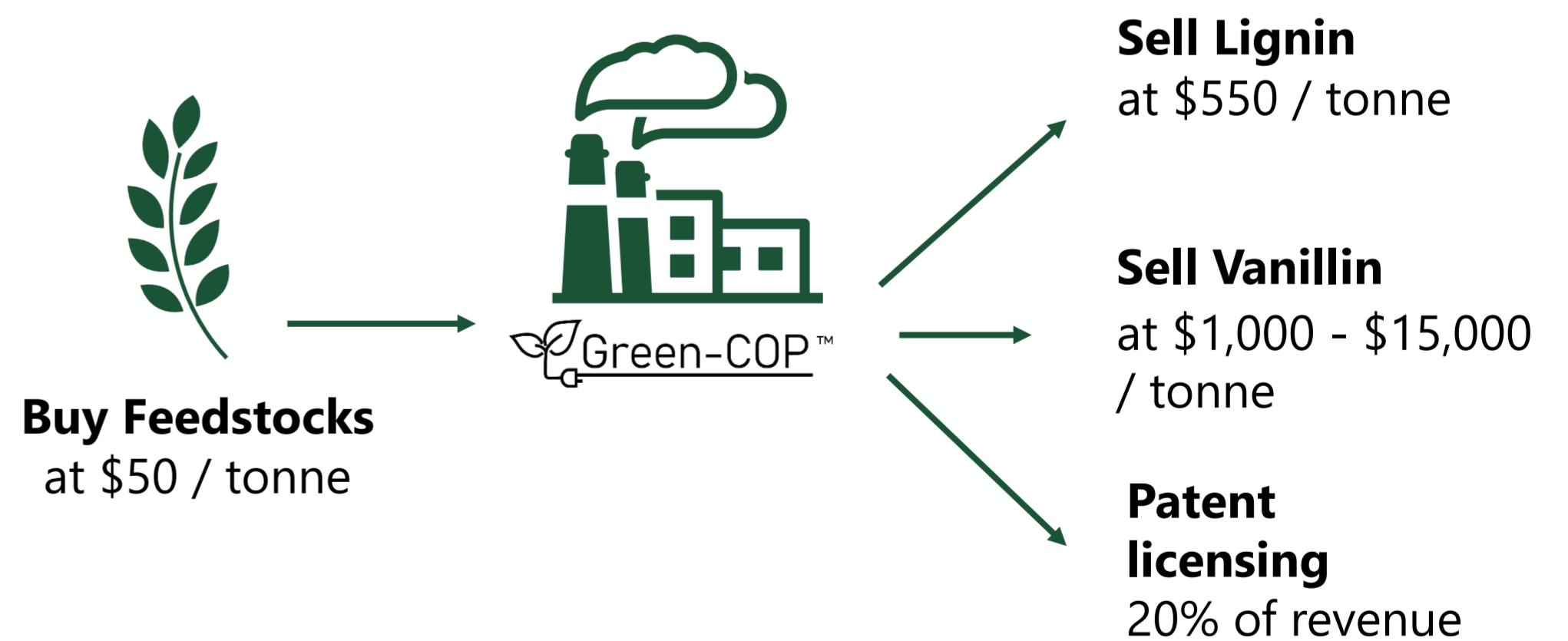
Market Size



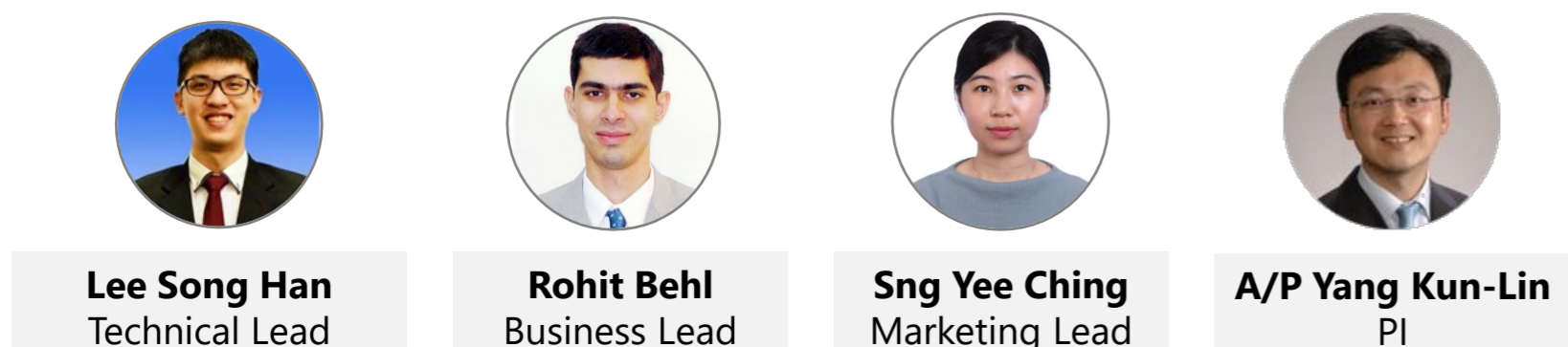
Development Plan



Business Model



Team & Contact



TechLaunch Team: Victor Deruyver, Lin Wan Qiu, Kang Chui Jia
Contact – chelsh@nus.edu.sg

Financials

