

REPORT DATE	TITLE	PREPARED BY
August 2024	NZ Bio Forestry (NZBF) Update	Wayne Mulligan

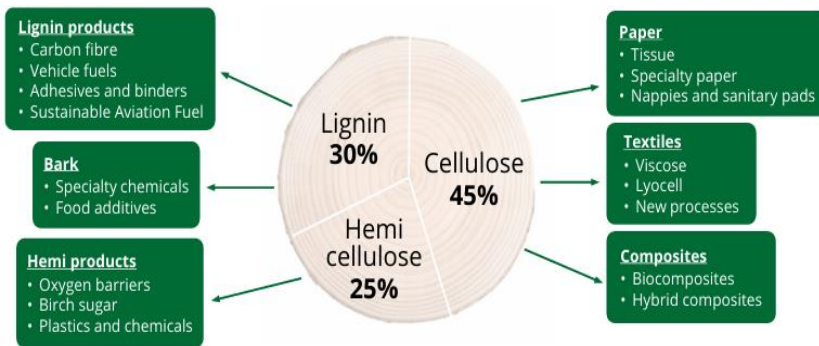
BUSINESS MODEL – MONETISE

NZ Bio Forestry is a venture between, New Zealand, Taiwan, and Singapore. NZBF secures value by positioning in the green decarbonisation market. NZBF monetises the whole tree. **Carbon. Fibre. And Sugars.** NZBF specialises in designing non-fossil and petroleum free solutions from sustainable forestry. Building product categories for energy, material, and chemical sectors. Franchising, licensing our IP, knowledge, systems, and business model. Providing investors and customers with products/IP and a market position that also reduces their CO2 and future greenhouse gas liabilities. Our integrated facilities are scaled over 4-5 years using a modular model. NZBF generates early revenues and grow revenues as modules are added.

NZBF business model has two distinct areas.

1. NZ Bio Forestry, the IP/technology Asia-Pacific Group. The company's plan is to license 15 bio-facilities (Projects) across NZ and Asia-Pacific.
2. Projects. These are the scalable integrated wood engineering and bio-refining, bio-chemicals, and bio-energy facilities.

THE INVALUABLE RAW MATERIAL FROM THE FOREST



CAPITAL PLAN

NZBF is pleased to announce the finalisation of the investment term sheet between NZBF, and our first international partner was recently agreed. This global investor provides four critical value propositions for NZBF and NZ.



1. **DIRECT:** Investment in NZBF. NZBF is also a shareholder in the facilities (Projects). NZBF has all management rights to Projects.
2. **INFRASTRUCTURE CAPITAL:** Significant US\$ millions to build the integrated wood engineering and bio-facilities (Projects).
3. **CUSTOMERS/OFTAKERS:** Brings a diverse pool of customers to secure volumes of bio-chemicals, ply/veneer, and bio-energy.
4. **LOGISTICS:** Plans to integrate NZBF's NZ Projects with their network of global shipping operators.

OUR PRIORITIES

DEPLOYMENT AND ABSOLUTE COMMITMENT WITH SINGLE FOCUS. GET THE BUSINESS MOVING, FAST.

1. **SITES:** Initially NZBF is looking at 4-5 sites across NZ. Security of tenure and/or some form of ownership/right. We plan to secure the first site 2024/25. A site that can be scaled and has logistics and supply infrastructure.
2. **FORESTRY:** NZBF requirement is security of supply for growth. Purchasing and/or partnering to purchase forestry is an option.
3. **PARTNERS IN NZ:** NZBF are looking for committed and strategic NZ partners. This business is not reliant on NZ investment. NZBF may consider options for an appropriate NZ party to join. They must bring value and strategic benefits to NZBF or Projects or both.

OUR VALUES: NO WASTE – everything we use
 NATURE FRIENDLY everything we do
 PETROLEUM FREE – everything we make

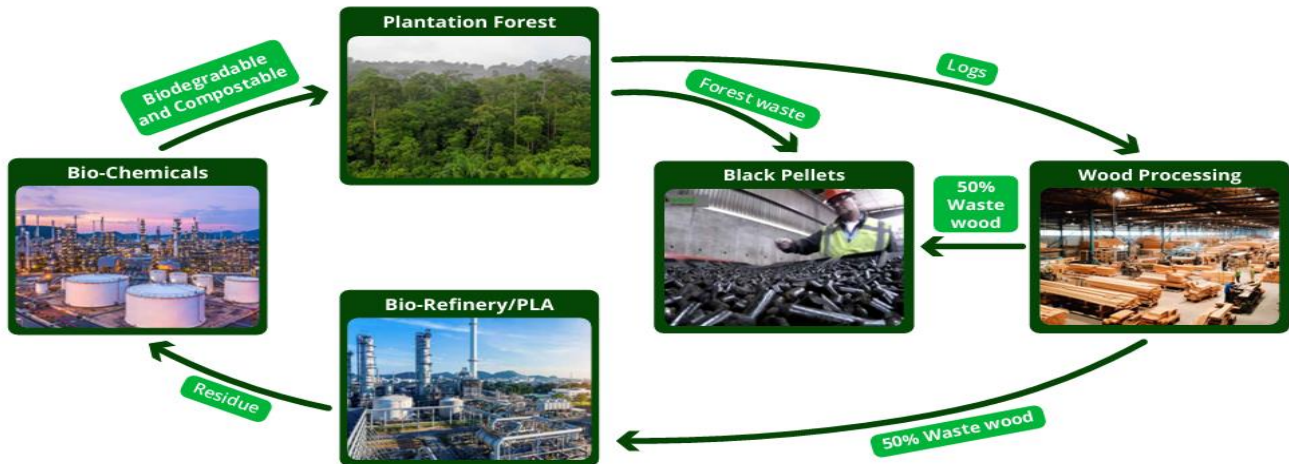
SPECIFICATIONS: GET THE BUSINESS MOVING, FAST.

SITE	OUTLINE	FAST TO MARKET SUMMARY	FAST TO REVENUE SUMMARY
Land	<u>Scalable.</u> 35-45 hectares (contiguous)	<ul style="list-style-type: none"> • A site that has consent (or can secure consent quickly). • A site that can be scaled (adequate land) to enable business centres to be added in a modular model. (Log yard/mill/storage; solid bio-energy facility, decorative & ply facility, and bio-refining – bio-chemical facility). • A site that is strategically positioned to reduce logistics, freight, and energy emissions. 	<ul style="list-style-type: none"> • NZBF will commence a marketing and trading business in late 2024- early 2025. • Why? To generate revenue. Deploy sales, marketing, and international business. • Why? To illustrate value to investors, customers, foresters, and wider stakeholders, including central and local governments and Māori. • Why? Time to leverage R&D and IP to capture the value in NZ.
Forestry Feedstock	<u>Location.</u> Sited by feedstock and reliable supply		
Logistics	<u>Transport.</u> Roothing, rail (ideal), and port(s)		
Energy	<u>Reliable.</u> Supply of electricity and steam		
Workforce	<u>New Careers.</u> PhD, masters, graduate to trades, sales, marketing, environment, and new technical skills		
Global	<u>Opportunities.</u> Will be global, workforce, careers, networks, and market exposure		

INDICATIVE FEEDSTOCK

A fully integrated model will take circa 700k m3 per year of logs. Of which 80% can be low quality logs. Approximately 50% of the peeling from these logs in the ply process will become feedstock for the bio-refining/bio-chemicals. Forestry residuals volumes of 800k m3 can be used, thinning, pruning and slash for bio-chemicals and bio-energy (pellets/panels and liquids). Our bio-chemical and bio-pellet processes use the same pre-treatment and steam explosion system.

THE BUSINESS: INTEGRATING AND OPERATING THE CIRCULAR MODEL



NZ Bioforestry - BioEconomy powered by Trees

THE BUSINESS: INTEGRATING AND OPERATING THE CIRCULAR MODEL

LEADING GLOBAL INNOVATION

NZ Bio Forestry and its Taiwan technology partners won a *R&D World's* Top Global 100 Innovative R&D programmes in 2023. This award highlights the significance of our work developing carbon-negative bio-plastics from biomass sourced from plantation forests. This innovative technology can help reduce the need for fossil fuels while increasing the economic return from planted forests. *R&D World's* website ([click here](#)).

Coupled with this was COP28, in 2023. NZBF was one of only two sustainable start-up companies invited to speak at the Global Banking and Sustainable Investment Forum (see TVNZ Story below). These two forums attracted several large global investors and customers. There is a full suite of videos and media available on www.nzbioforestry.co.nz Finally, NZBF was in 2023 nominated to enter the 2024 EarthShot Award.

How the Science Works

<https://youtu.be/T6zekuLBdrk>

Our Global Proposition

<https://youtu.be/Y4aCtiaFt9>

Opportunity Replace Fossil

<https://youtu.be/upk075FACIY>

Home of Green Innovation – Values

<https://youtu.be/IntNqi3pgc0>

TVNZ One News

(10) Post | LinkedIn

NBR (National Business Review)

[NZ Bio Forestry seeks hundreds of millions from private investors \(nbr.co.nz\)](#)



OUR MISSION: A LEADER IN THE CONVERSION OF SUSTAINABLE FORESTRY BIOMASS TO GREEN BIOFEL, BIOCHEMICALS AND BIOMATERIALS.