

Sumitomo Forestry Co. Ltd.'s business in New Zealand and contribution to the mitigation of Global Warming

- ✓ The Sumitomo Forestry Group engages upstream in sustainable forestry, midstream in distribution and manufacturing operations, and downstream in housing related operations both overseas and in Japan. The Group has established a vertically oriented business centered on wood, and is in the process of expanding horizontally and linking various locations around the world.
- ✓ In New Zealand, Tasman Pine Forests Ltd, a plantation company which grows mainly radiata pine, and Nelson Pine Industries Ltd, a wood processing company which produce MDF (Medium Density Fibreboard) and LVL (Laminated Veneer Lumber) from radiata pine logs, has been operating. Tasman Pine Forests Ltd, which owns and manages forest land around Nelson, Tasman and Marlborough regions, can supply good quality radiata pine logs efficiently to Nelson Pine Industries Ltd. Nelson Pine Industries Ltd subsequently add value to round logs and distributes MDF and LVL to markets domestically and around the world.
- ✓ These tightly integrated companies contribute to the local economy, our forests also contribute to the mitigation of global warming by fixation and sequestration of carbon.



TASMAN PINE FORESTS LTD

Tasman Pine Forests Ltd.

- ✓ Tasman Pine Forests Ltd was established in 2016 and is a wholly owned subsidiary of Sumitomo Forestry NZ Ltd., which is, itself, a wholly owned subsidiary of Sumitomo Forestry Co., Ltd.
- ✓ Tasman Pine Forests Ltd manages 36,200 ha of forest land. Of this, 26,193 ha is productive plantation forests with the remainder being roads, skids, rivers and indigenous vegetation conservation areas (as of 1 January 2022).
- ✓ As is generally known, a tree functions to fix carbon dioxide by photosynthesis and uses the carbon to produce robust cell walls which support the tree and stock the carbon as wood, thus growing a tree contributes to mitigating global warming by carbon fixation. Radiata pine, which produces round and straight high-quality logs, shows relatively fast growth in comparison with other plantation tree species in New Zealand, therefore it is able to fix carbon dioxide efficiently. Tasman Pine Forests Ltd which grows mainly radiata pine estimates that roughly 7,148 thousand ton CO₂ equivalent carbon is currently stocked in our productive area. Tasman Pine Forests Ltd's forest has an ability to fix 434 thousand ton CO₂ equivalent carbon annually and can sustainably harvest these round logs for MDF and LVL material processed in Nelson Pine Industries Ltd, as well as other domestic companies and log export.
- ✓ Tasman Pine Forests Ltd has committed to increase its log volume per unit area by using improved genetics to ensure greater stiffness and higher growth rates. Appropriate tree stocking controlled by thinning also contributes to raising the tree volume in the forest. Improvement of volume recovery and maximizing the harvestable log volume contributes to reducing volume of waste wood which is left on the forest floor and subsequently flows into atmospheric carbon circulation. Through these day-to-day forestry operational improvements, Tasman Pine Forests Ltd is contributing to fixing carbon dioxide and consequently mitigating global warming.
- ✓ At the same time, Tasman Pine Forests Ltd are undertaking numerous environmental projects including weed control and planting in conservation areas, and rare threatened and endangered species protection. Tasman Pine are also contributing financially and in-kind support to the Teapot Valley native restoration project in conjunction with the Tasman District Council and MPI. These environmental projects directly fix carbon throughout Tasman Pine Forests Ltd's estate.



Radiata pine forest of Tasman Pine Forests Ltd. It stocks roughly 7,148 thousand ton CO2 equivalent carbon.

Teapot Valley native restoration project. Tasman Pine Forests Ltd, the Tasman District Council and MPI have committed to restoring this significant site that was severely damaged in the 2019 pigeon valley fire. Works will include planting native trees and controlling invasive weeds.



More information : <https://www.tasmanpine.co.nz/>

Nelson Pine Industries Ltd

Nelson Pine Industries Ltd.

- ✓ Nelson Pine Industries Ltd (NPIL) was established in 1984. It became wholly owned by Sumitomo Forestry NZ Ltd in 1993, which itself is a wholly owned subsidiary of Sumitomo Forestry Co., Ltd.
- ✓ Nelson Pine Industries Ltd operates one of the single biggest manufacturing sites for MDF (Medium Density Fibreboard) and LVL (Laminated Veneer Lumber) in the world and supplies high quality products to the building and construction industries in New Zealand, Japan, US and throughout the Asia-Pacific regions. Nelson Pine Industries Ltd processes logs from sustainably managed forest using around 30% of the Nelson-Tasman region's annual log harvest.
- ✓ Nelson Pine Industries Ltd has been an early adopter of sustainability and contributing positively to the environment.
 - In year 2004 coal was substituted by biomass as the fuel for the generation of process heat resulting in a cumulative reduction of 136,000 tons of CO2 emissions.
 - Since year 2010 extensive works have been carried out to reduce electricity consumption sitewide by over 35% (2021).
 - Nelson Pine Industries Ltd MDF and LVL products sequester hundreds of thousands of tons of CO2 for many decades while they are in use in residential and commercial buildings as the main structure or as furniture, doors, kitchen etc..

More information: www.Nelsonpine.co.nz



Nelson Pine Industries Ltd



Nelson Airport: built with *Nelson Pine LVL®* in 2019, sequesters ~400,000kg of CO2



Timber Frame house

built with *Nelson Pine LVL®*
sequesters ~10,800kg CO2

Kitchen

built with Nelson Pine MDF
sequesters ~396kg of CO2

