



GREENHEART GROUP: IN PICTURES

New Zealand & Suriname 2011 & 2012



Greenheart Group
always growing

1. New Zealand



2. Suriname



3. Always Growing





1. NEW ZEALAND: RADIATA PINE PLANTATIONS



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Radiata Pine



Photo: *Radiata Pine*, a popular softwood species used predominantly in construction

Mangakahia Forest

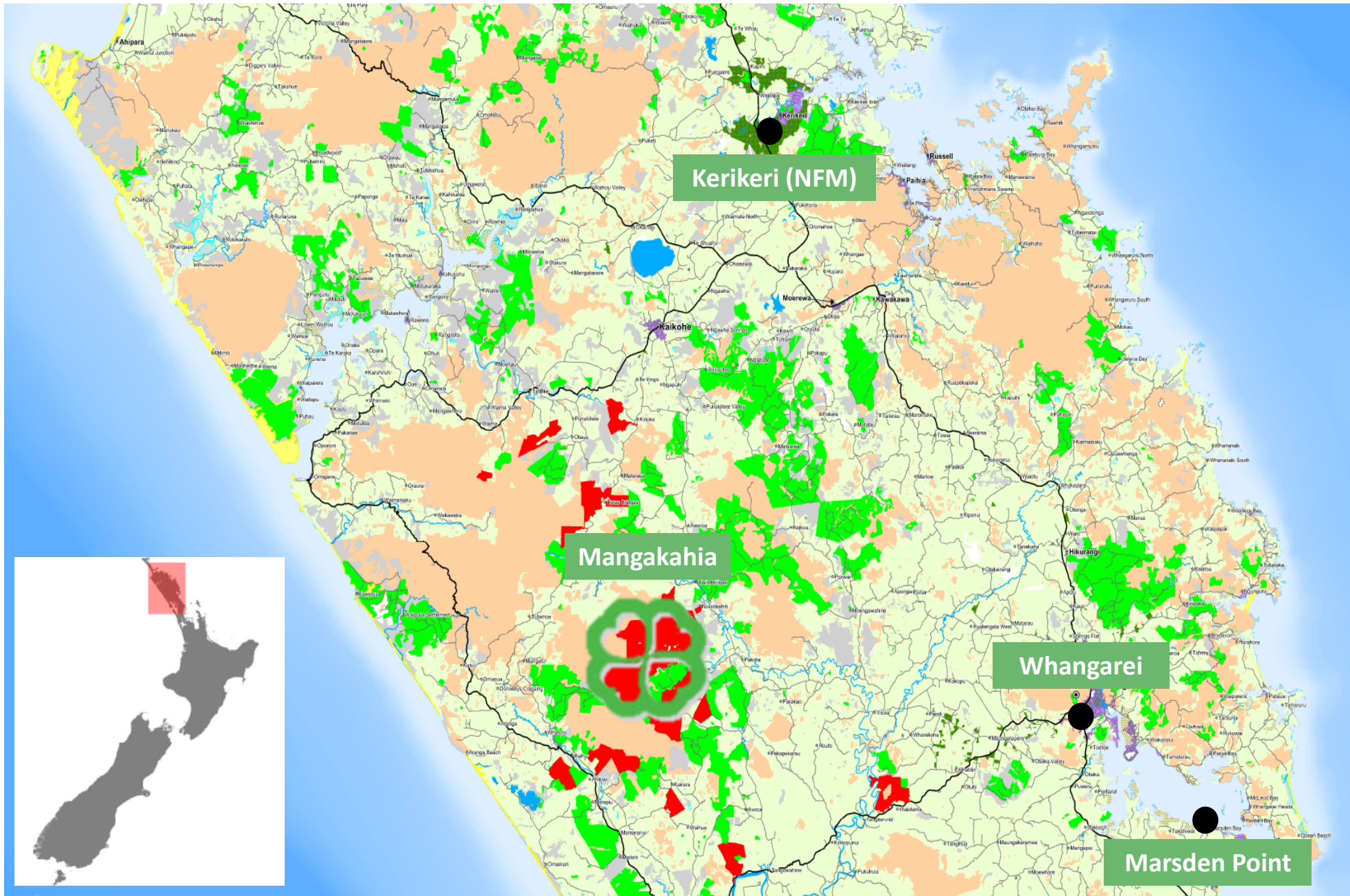


Photo: *Map of Mangakahia Forest Plantation*

- Mature forest**
- Trees average age 25-30 years**
- Northland region**
- Ideal climate for softwood growth**
- Excellent transportation to nearby shipping port**

Mangakahia Operations



Photo: *Harvesting in Mangakahia – logs are harvested and pulled up via cable and then stored at the landing site*

Mangakahia Operations



Photo: Log landing site

Logs Transport



Photo: *Logs are transported by road to port*

Storage, Inventory & Allocation



Photo: Greenheart logs stored for allocation. Approximately 70% are exported to China

Log Scaling & Loading



Photo: Top left: **Registration** Bottom left & Right: **Ship loading**

Marsden Point, the largest port in the Northland region is ideally suited for log exports

New Zealand expects to export over 7 million m³ of radiata pine to China in 2011

World Class Logistics



Photo: Aerial view of Marsden Point, largest port in Northern Region of New Zealand, capable of storing up to 150,000 m³ at any time

Ship Loading in Marsden Point

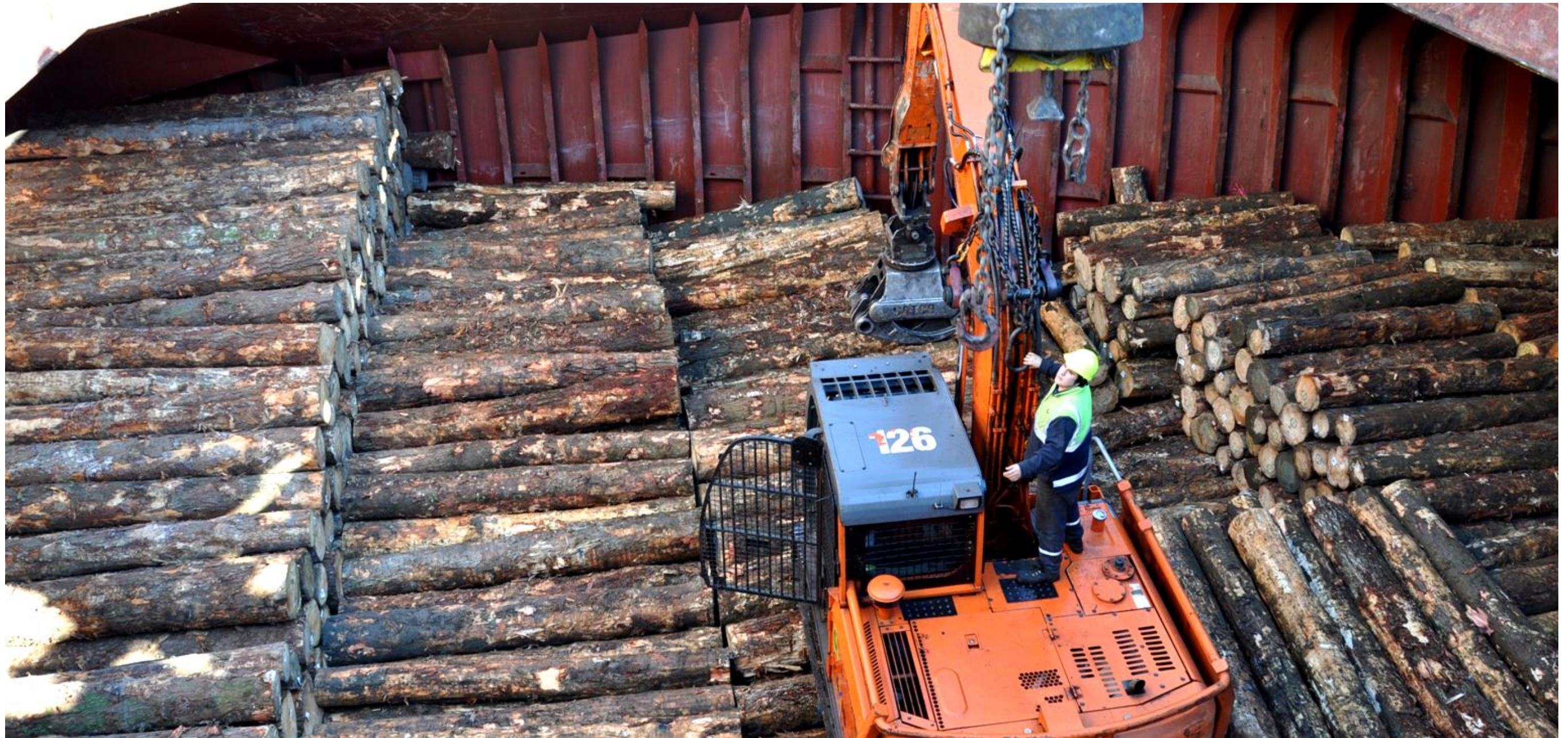


Photo: *Loading onto Ships*

30,000 Ton Log Export Vessel



Photo: *Special log ships are used to carry large volumes of timber*

Softwood Uses



Photo: Top Left: **Framing Timber** Top Right: **Fencing** Bottom Left/Right: **Roofing** Source: www.chhproducts.co.nz

**Softwood timber is
ideal for
construction,
framing and
roofing**

Domestic Sawmill and Woodchip pile



Photo: *Marasumi Woodchip Pile*

**Logs are also sold
to domestic
woodchip and pulp
mills**



2. SURINAME: TROPICAL HARDWOOD CONCESSIONS



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Suriname

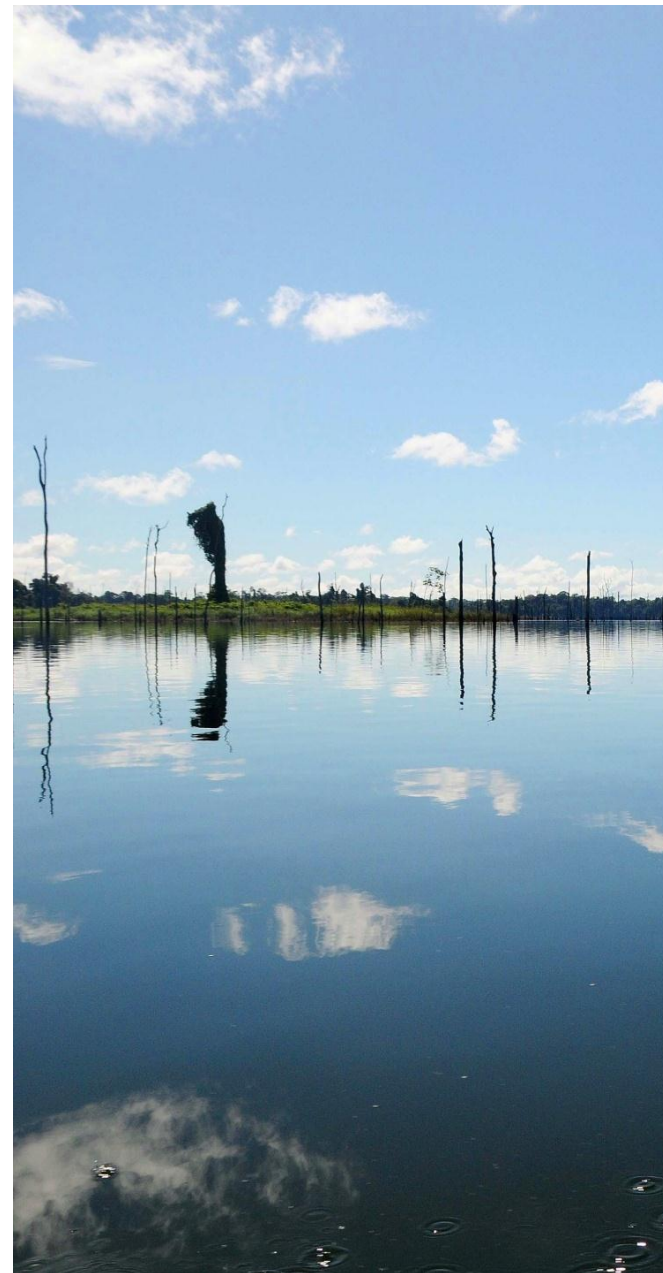


Photo: From left to right: **Suriname Flag**, **Local Surinamese Woman**, **Statue of Johan Adolf Pengel**, **Natural Habitat of Suriname**

Diverse Cultures



Ethnic	Creoles	Chinese	Hindustanis	Javanese	Maroons	Amerindians	Whites
% of total population.	28%	8%	34%	15%	8%	2%	5%

Photo: From left to right: Locals at Paramaribo festival, Chinese Church, Local Maroons, Sand Landy local tribe

Tropical Hardwood Concessions



Photo: *Aerial View of Suriname Forests*

Greenheart's Operations



Photo: *Staff house in Eastern Suriname Concession*

**Greenheart owns
tropical hardwood
harvesting rights
and concession
rights in Suriname**

Greenheart's Concessions



Photo: Top Left: **Western Suriname Concession** Bottom Left: **Greenheart Central Log Yard** Right: **Investors at Greenheart's Concession**

Sustainable Forest Management



Using Geographic Information System (GIS), each tree is individually inspected, inventoried and marked before harvesting and every log receives a unique number which allows chain of custody throughout the harvesting and transport cycle

Photo: Top Left: *Explaining how selective harvesting works* Bottom Left: *Marking of tree* Right: *Tagging of tree*

Reduced Impact Harvesting



Photo: *Directional Felling*

Trees are harvested using directional felling techniques

Directional felling minimizes damage to the surrounding trees and forest vegetation

A maximum annual allowable cut of 25 m³ per hectare per every 25 years

Greenheart’s processing facilities



Photos: *Greenheart’s new processing facilities have started production*

Sawmill processing



Photo: Top Left: **Saw doctor** Top Right: **Current sawmill in operation** Bottom Left: **Further processing into finished products** Bottom Right: **Quality control**

Processing logs into lumber and other high valued finished products increases profitability and benefits to the local economy through greater jobs and training

Common Tropical Hardwood Species

Boletrie



Djinja-udu



Ingipipa

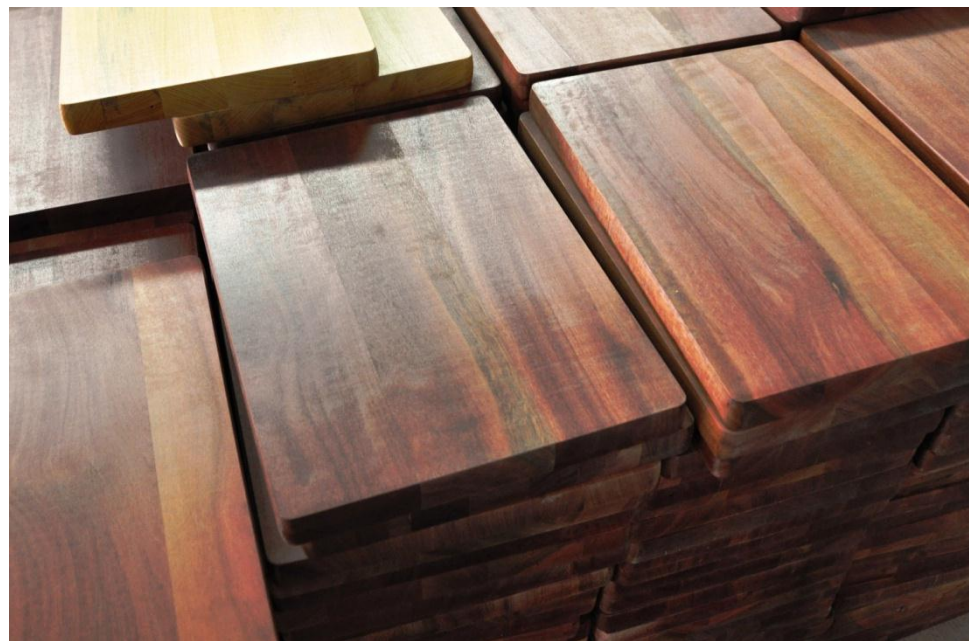


Kimboto / Makagrín



Photo: Tropical Hardwood logs from Greenheart's Western Suriname Concession

Greenheart's High Quality Hardwood Products



**Greenheart's
tropical hardwood
products are
exported to China,
Europe and the
Caricom nations**

Photo: Top Left: **Hardwood Sawn Lumber** Top Right: **Hardwood Panels** Bottom Left: **Hardwood boards** Bottom Right: **Hardwood Chopsticks**



3. ALWAYS GROWING



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Our Employees



**Our people are our
most important
asset**

**Ongoing training is
provided to all
employees**

Photo: Top Left: **Ty Wilkinson (Suriname Regional Director)** Top Right: **David Wu (VP Corporate Development & IR)** speaking to Suriname staff Bottom Left: **Concession living quarters** Bottom Right: **Campsite kitchen**

Our Communities



Greenheart plays a major role in the development of our local communities

Photo: Top Left: **Greenheart Staff helping with opening of Wasabo Market** Top Right: **Greenheart Suriname Football Team** Bottom Left & Right: **Greenheart staff helping local elderly center**

Local Tribes



Photo: Top: Paul Westbrook (COO West Suriname) and David Wu (Vice President of Corporate Development & Investor Relations) meets with local tribes

**Greenheart works
side by side with
the people who
live in our
concessions**

Greenheart's effort on climate change



Photo: Top: Ty Wilkinson (Suriname Region Director) presents donation to the CCDA

**Greenheart
Sponsors Climate
Compatible
Development
Agency**

**Greenheart
partners with the
government in
climate change
initiatives**

Greenheart Housing & Construction N.V.



Photo: Top Left and Bottom Left: **Computer designs of new housing to be built using Greenheart timber** Top right: **Greenheart Housing Model** Bottom right: **Newly constructed Greenheart House**

Greenheart Housing

A new initiative in Suriname to help build low-cost homes for local communities using Greenheart timber

Hong Kong Office



Photo: Greenheart Hong Kong during Chinese New Year celebrations

**Hong Kong
headquarters**

40 full-time staff

**New office opened
in February 2011**

www.greenheartgroup.com

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