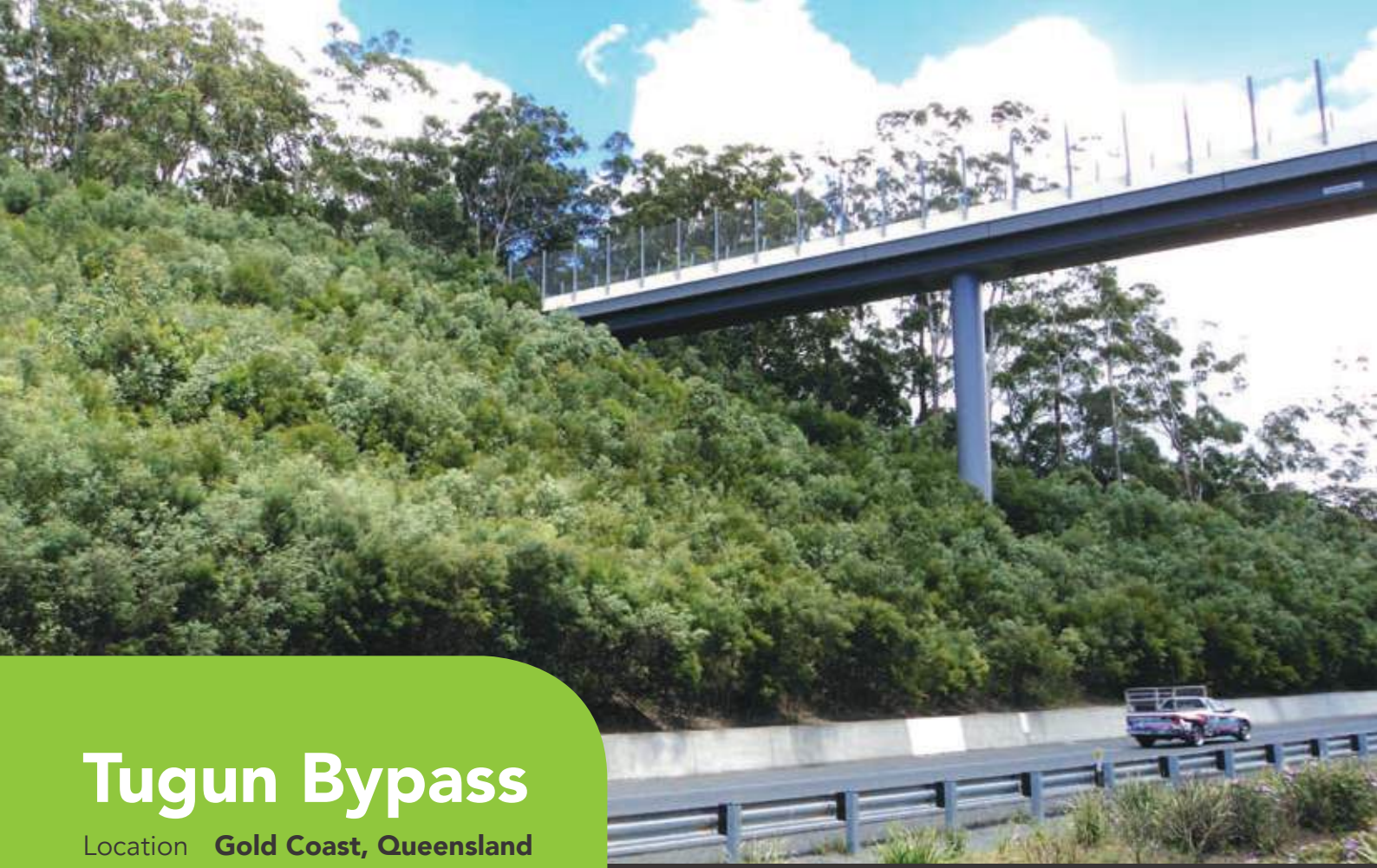
ecoblanket

Ground-breaking
Erosion control and revegetation

ecoblanket.com.au



Tugun Bypass

Location **Gold Coast, Queensland**
Site size **9,500m2**

The Tugun Bypass Ecoblanket took a critical erosion control challenge and converted it into a no-maintenance 'cathedral' of vegetation.

The site was originally designed to be a geological landmark. However, when the batters were cut they revealed highly erosive, acid sulfate soil. The task was to rehabilitate the steep slope before major erosion damage was created and achieve healthy groundcover in time for the freeway opening in July of that year.

With expert collaboration between engineers, landscape designers, soil experts, contractors and government, together with Ecoblanket licensee Groundworks, the site was treated in less than one week. Even during a summer storm season, the nearby drainage system was immediately silt-free.

After three and a half years, it was estimated that the site had more than 60,000 trees. No maintenance has been required since the application of Ecoblanket.

Legacy Way

Bellbird Park

Pacific Pines Development

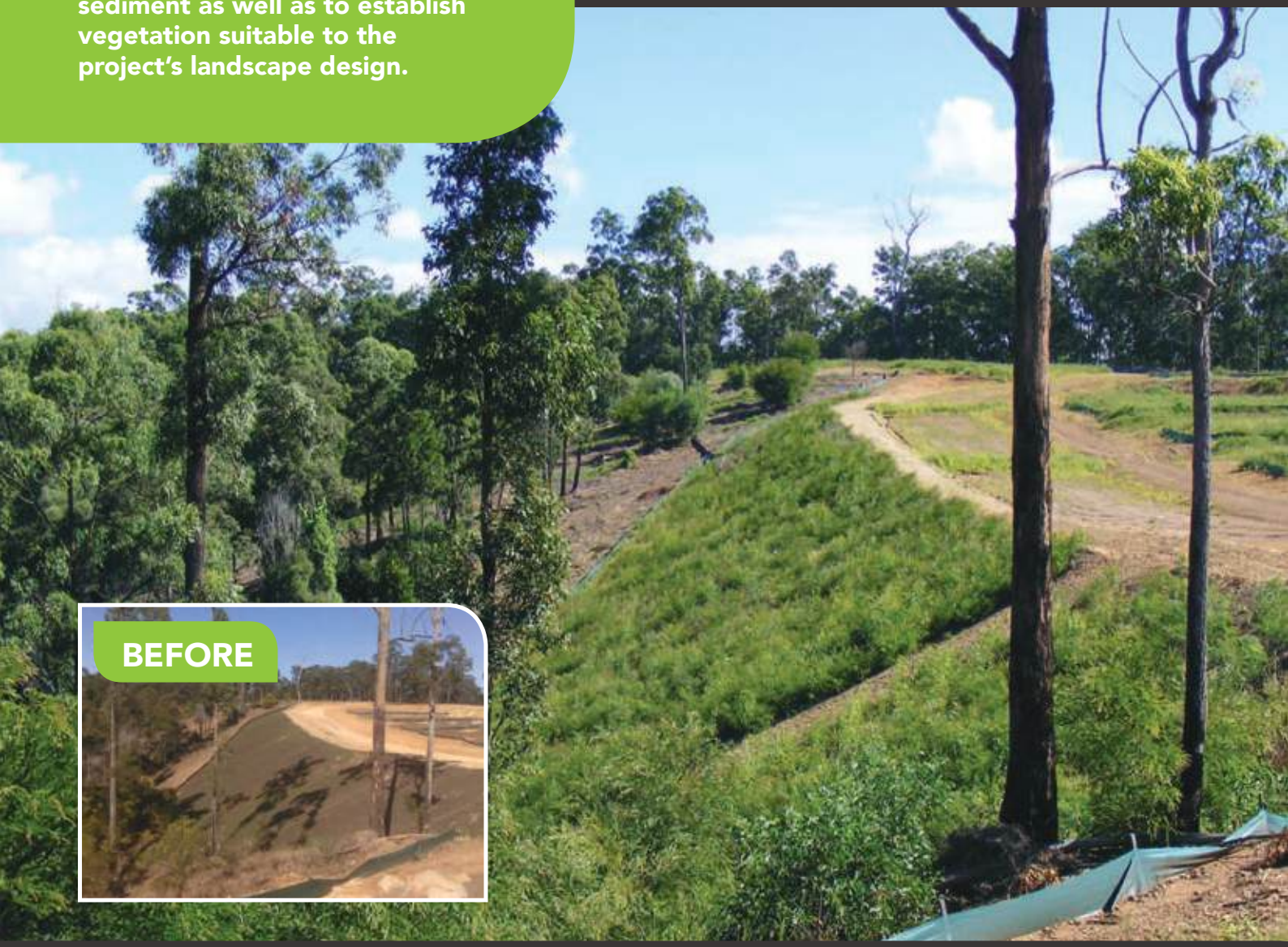
Location **Gold Coast, Queensland**
Site size **7Ha**

The objective at Pacific Pines was to stop erosion and control sediment as well as to establish vegetation suitable to the project's landscape design.

The client carried out an independent cost and environmental analysis to test the impact of Ecoblanket specific to the major residential development.

It looked at benefits such as stability, vegetation coverage, and low watering and maintenance requirements, compared to a traditional soil mulch and hand planting method used elsewhere on the project.

Over a 12-month period, Ecoblanket presented a true cost of $5 less per square metre, delivering a strong return on investment.



NNA Pipeline

The benefits

Achieve instant erosion control and sustainable revegetation with an innovative process that outperforms other methods. Minimal site preparation and fast, one-step application deliver world-leading results quickly.

Ecoblanket offers:

- Rapid, scientifically proven land rehabilitation
- 100% recycled organics and native seed blends
- More than 99% erosion and sediment control
- Tailored, all terrain services
- Outstanding environmental audit results
- Carbon sequestration benefits
- Low-to-no maintenance
- Guaranteed results and return on investment

Rapid application and reduced labour requirements save time and money and help to ensure that projects of all sizes stay on track for delivery. Together with the advantage of a proven process and a set price, Ecoblanket offers certainty at every stage.

Ecoblanket features 100% recycled organics, including Microblend, an all-natural tackifier made under licence in Queensland from 70% locally sourced organic products.

The Ecoblanket compost reuses tonnes of green waste generated by households and industries, offering unsurpassed quality. It vastly improves the organic makeup and structural integrity of depleted soils and eliminates the need for non-biodegradable reinforcements or netting.

“The Ecoblanket method is an innovative forestation and land rehabilitation tool that potentially offers substantial benefits for carbon sequestration and ecosystem services.

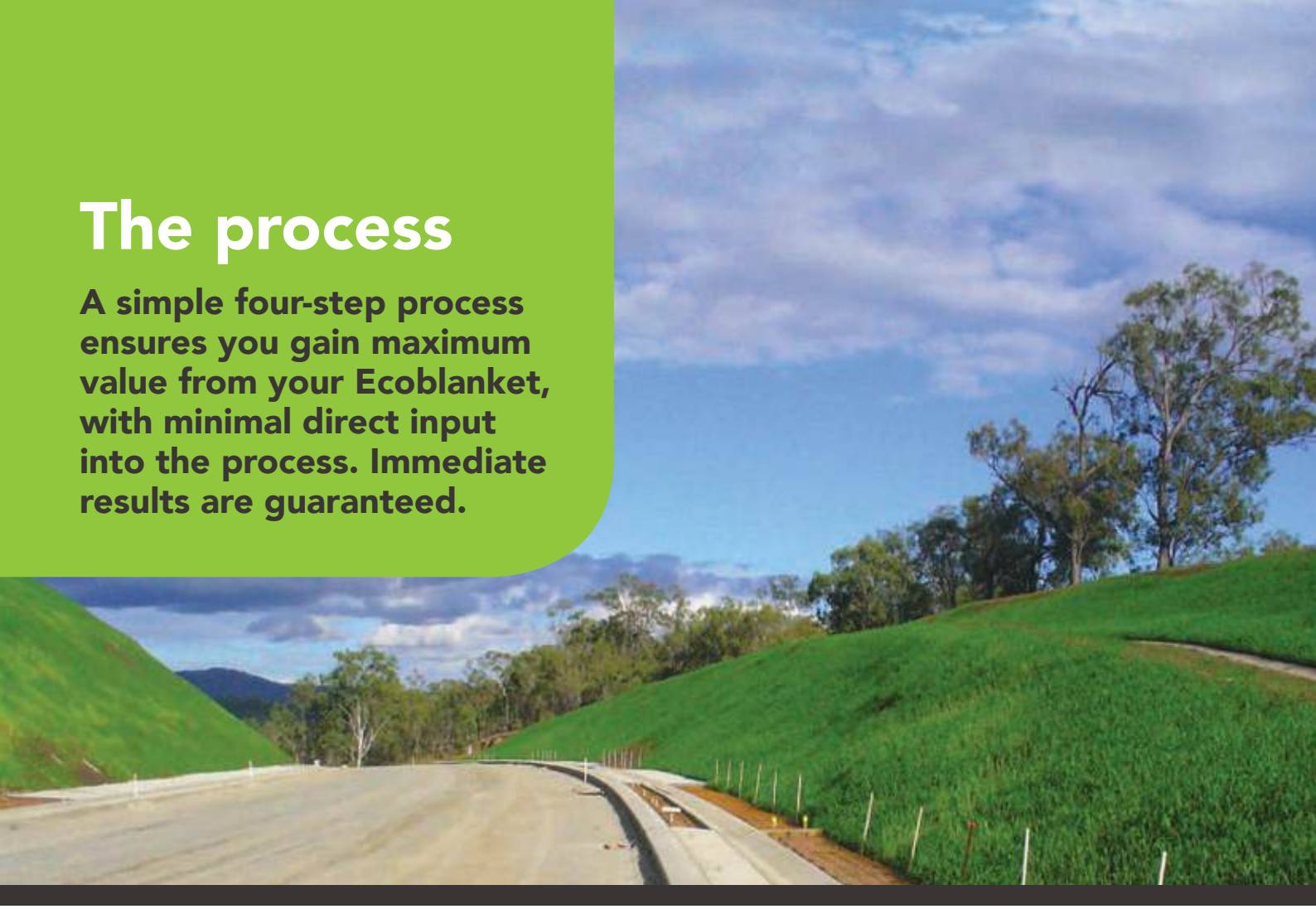
It is also potentially very appropriate for use in industries beyond those in which it is currently used – that is, beyond urban development and road construction for slope stabilisation purposes, to mine site rehabilitation and carbon offset development of degraded agricultural lands, particularly in cases where biodiversity and nature conservation outcomes are desired…

The Ecoblanket method can achieve, on any site with exposed soil or substrate located anywhere in Queensland, a rehabilitated forest after two years that is roughly comparable in size, species composition and structure to that which would be ordinarily expected using direct tree planting silvicultural methods after five years. Ecoblanket can therefore be considered as a method for ‘rapid ecological rehabilitation’.”

Dr Paul Dargusch
(view the full report at ecoblanket.com.au)

The process

A simple four-step process ensures you gain maximum value from your Ecoblanket, with minimal direct input into the process. Immediate results are guaranteed.



1 RESEARCH & PREPARATION

Specially trained project managers assess the site and run soil and other environmental tests. This enables them to tailor the organic materials to address the unique site context and requirements.

The process does not require topsoil or any geotextiles to be spread first, potentially saving you thousands of dollars on unnecessary site preparation.

2 SEED SELECTION

Ecoblanket offers the added advantage of permanent vegetation.

Grasses, wildflowers or native plants can be established by injecting the Ecoblanket with seed during the one-step application process.

Your project manager will consult with you and our native seeds expert to develop the ideal seed blend to achieve your revegetation goals.

3 APPLICATION

Ecoblanket is applied via a hose-on, low impact pneumatic process with specialised machinery that can treat thousands of square metres per day.

This means minimal on-site work, a high quality, uniform blanket, and fast results. It can be applied to remote and difficult to reach areas.

4 MONITORING

Ecoblanket achieves 100% contact with the ground and guarantees more than 90% germination rate of the cover crop within a few days when instructions are followed. While each native species has different growth cycles, you can expect a healthy crop of seedlings within the first few months and a relatively thick covering of shrubs by the end of the first year.

Ecoblanket chokes out weeds due to the incredibly high germination rate of the cover crop, requiring little to no maintenance after application.

The Ecoblanket advantage

Ecoblanket draws on ground-breaking environmental technology to achieve unparalleled results time after time.

The process outperforms traditional direct tree planting and other groundcover methods for its ability to provide immediate erosion control, sediment control, rapid ecological rehabilitation and revegetation.

Where other techniques fail to achieve basic root development over time, Ecoblanket literally reverses degraded soil by integrating with the layers beneath the blanket. It uses science to guarantee results and deliver long-term sustainable outcomes that fundamentally transform our environments.

Flexible, all terrain environmental services.

Ecoblanket is used almost anywhere that soil has been disturbed, denuded or where construction activity has taken place and temporary or permanent stabilisation is desired. It can be applied to remote and difficult to reach areas.

The proven portfolio of success stories spans:

- Road and rail infrastructure
- Residential and commercial developments
- Master planned communities
- Mine sites and coal seam gas projects

Ecoblanket can achieve stronger results than other methods, backed by scientific testing. It offers the added advantage of rapid one-step application through a cost effective process that delivers an environmental and economic return on investment.

AUSTRALIA has the HIGHEST LEVEL OF SALT affected soils in the world. 5x the area of NORTH AMERICA'S salt affected soils.

AUSTRALIA has the HIGHEST LEVEL OF SODIC dispersive soils in the world. 83x the area of NORTH AMERICA'S sodic dispersive soils.

The solution

100% RECYCLED ORGANICS

REVERSES DEGRADED SOIL

99+% EROSION CONTROL

99+% SEDIMENT CONTROL

100% SOIL COVERAGE

100% SUCCESS RATE

ECOBLANKET = Rehabilitated forest in 2 years

90% MINIMUM STRIKE RATE of cover crop

ONGOING MONITORING

DIRECT TREE PLANTING = Same results in 5 years

Sequester **25 TONNE** equivalents of **CO2** **PER HECTARE** on average

Results are based on university research projects that follow the specifications set by Ecoblanket. **Visit ecoblanket.com.au** to review reports and feedback from field tests.

Contact us today to see how Ecoblanket can help your project achieve fast, sustainable results that offer lasting value to communities, the environment and, through carbon offset benefits, to your organisation.

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Ecoblanket has been used for two decades in the United States and was introduced to Australia in 2004 through an exclusive licence held by the managing director of Groundworks Australia. The Groundworks team manages the ongoing development of Ecoblanket in conjunction with a panel of environmental experts, refining Ecoblanket to suit the unique conditions in Australia. Only technicians who receive specialist training manage and apply Ecoblanket, ensuring an expert application every time.

Groundworks provides clients with complementary products and services including:

- Terraseeding – an enriched, seed injected soil blend spread via pneumatic blower trucks
- Ecoberm – an innovative alternative to plastic silt fencing
- Landscaping – Ecoblanket contractors are experts in a range of groundcover and landscaping solutions