

Hold the line without pouring it.

A living shoreline protects homes and roads like a seawall, costs less to build and to keep, and leaves the beach where it is. We model both options with your engineers before you decide.

−39 %

30-year cost of a living coast against a new seawall

CAIRNS NORTHERN BEACHES MODEL

2,000

storm simulations per scenario, on your own storm record and sea-level curve

TIDRA OPTIONS

6 yrs

of monitoring and care before the council takes over

STANDARD CONTRACT

HOW IT WORKS

1 Compare

We build the seawall and the living coast side by side in Options, with your engineers, your storms and your budget.

2 Contract

Four milestones, each checked by an independent verifier. No result, no payment.

3 Hand over

After six years the Atlas, the data and the model stay with the council.

Talk to us →

PARTNERS@TIDRA.COM.AU · TIDRA PTY LTD · TOWNSVILLE QLD



Offsets you can show a regulator.

Dredging and expansion need seagrass and mangrove offsets that hold up to scrutiny. We plant them, measure them every quarter and hand over the evidence in the format your approval asks for.

84 %

of planted stock alive at 24 months

HALIFAX BAY · VERIFIED

71 %

seagrass cover on transect T03, back above its baseline after Cyclone Kirrily

TIDRA ATLAS · Q3 2026

4 / yr

verified records, per batch and per hectare, ready for compliance reporting

TIDRA LEDGER

HOW IT WORKS

1 Baseline

Before we plant, we survey the site: cover, sediment, species and depth, so every gain is measured against a real start.

2 Plant and verify

Our crews plant; an independent verifier checks survival and cover every quarter.

3 Report

Ledger exports the evidence per batch and per hectare, in the structure your approval conditions ask for.

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The cheapest claim is the one the reef stopped.

Reefs, dunes and mangroves take the energy out of a wave before it reaches the house. We build them in front of the towns you cover and measure the effect, storm by storm.

2.1 → 0.4 m

wave height behind a restored reef during Cyclone Kirrily

TIDRA SENSORS · MODELLED

31 AUD m

storm damage avoided over 30 years in one town

CAIRNS MODEL · P50

7 days

from a storm to a shared survey: wave sensors and drone flights

STANDARD SERVICE

HOW IT WORKS

1 Map exposure

We lay your policies over our coast maps to find the towns where a living buffer saves the most.

2 Build in front

Reef, dune and mangrove, designed for that shore and paid by results.

3 Measure every event

After each storm, wave data and drone surveys show what the buffer held back.

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