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VALUE FOR MONEY AND QUALITY INFRASTRUCTURE

One island.
One simple choice.
More value.

Palm Island infrastructure
Programme

Nicola Lester | Enviromesh



HOW PALM ISLAND CREATED LASTING INFRASTRUCTURE



PLAY VIDEO



What the project will leave behind

ENVIROMESH®
Fibres for Concrete Reinforcement

Stage 1 = 25,000m² of resilient infrastructure for the community

Stage 2 = 9200m² of resilient infrastructure for the community

20+ skilled workers to continue supporting stage 2 + 3 and beyond

Revenue retained within the community and local business'

Additional infrastructure with savings means dollars are being stretching further

CASE STUDY



PRESENTATION



A material decision that continued ...

ENVIROMESH®
Fibres for Concrete Reinforcement

- New or upgraded council roads (7,800 m²)
- Barge landing and associated car park (3,200 m²)
- Family & Community centre + Bistro car parks/driveways (2,800 m²)
- Footpaths (2,200 m²)
- Parks upgrades with new undercover areas (600 m²)
- Waste and recycling facility (6,400 m²)
- Stormwater (600 m²)
- Netball courts (1,500 m²)



Outcomes being celebrated

ENVIRONMENTAL



Recycled plastic used
24 tonnes
of waste plastic
diverted from landfill



Steel mesh replaced
500 tonnes CO₂ reduced
equivalent to removing
110 cars for a year



Water saved
9,200 cubic metres
equivalent to 4 olympic
sized swimming pools



Fossil fuel reduction
Over 120 tonnes
of fossil fuel
consumption reduced

FINANCIAL



Overall project cost
30% total savings
across roads, facilities
and community assets



Overall project time
30% faster
completed in 7 weeks vs
10 weeks with steel mesh



Initial \$7.5M budget
was delivered in \$5M,
\$2.5M diverted to
additional resources



Transport reduction
75% fewer barge
movements saved time,
money and environment

EMPLOYMENT & SOCIAL



Training & Development
of 20+ locals in project
construction skills



Safer worksites
Fibres eliminated appx
120 Tonnes of manual
handling



Community Spaces
created with savings for
families to play, train &
gather



Safer commuting
for the community to
get to work, school,
medical & recreation



CASE STUDY



PRESENTATION



WHERE COULD ONE SIMPLE DECISION IMPROVE THE WHOLE PROJECT?

Remote or freight-constrained location
Corrosion, safety or programme pressure
A goal to build local participation

ENVIROMESH®



LinkedIn



Enquire