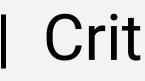


CRITICAL.

From plastic waste to beautiful, durable and circular materials.









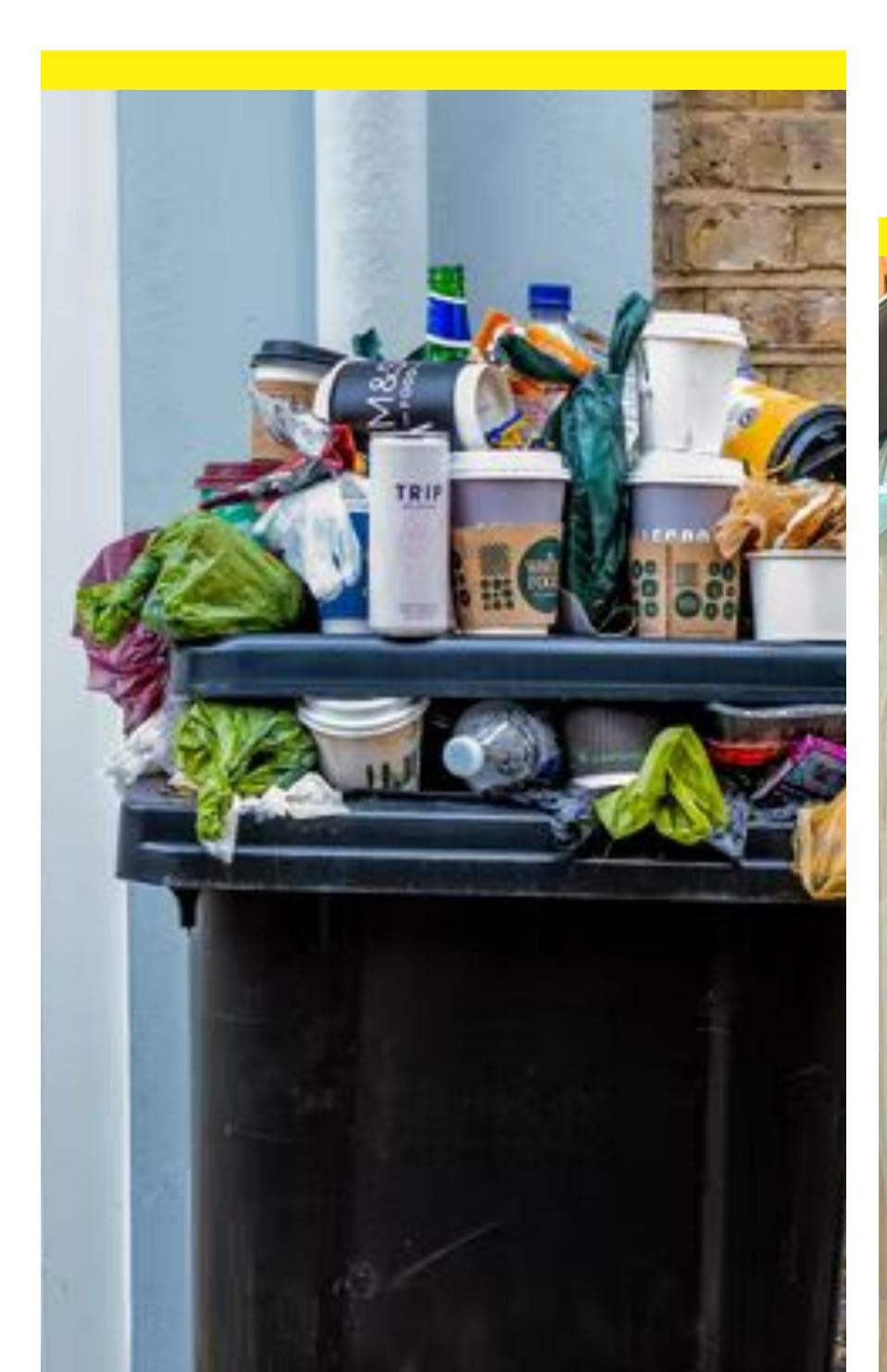
+ Our kaupapa/ purpose.

As a Māori company, our wellbeing and our future depend on the mauri (life force) of te taiao (natural world). Therefore our life's work is to uplift that mauri. This is who we are. We co-founded Critical. because we want to be good tīpuna (ancestors) for future generations so our tamariki (children) can prosper for thousands of years to come.

+ The Problem.

After spending years wor what we are hearing.

Every business have **problem plastics** no one can take.



After spending years working with corporates and businesses, this is

Businesses have zero waste commitments that's challenging to solve.

They want a great product that's durable.



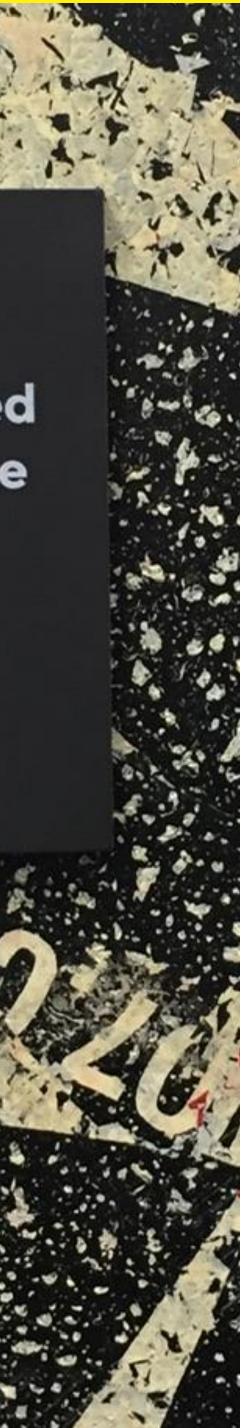


They want to **tell a great story** for *their customers*.



I am made from hundreds of recycled Torpedo7 single-use plastic bags.

#HereForGood



The Solution.

 \sim

We clean up the ocean and land with beautiful, durable, endlessly recyclable building panels, made from 100% contaminated plastic waste.

We call it the ...

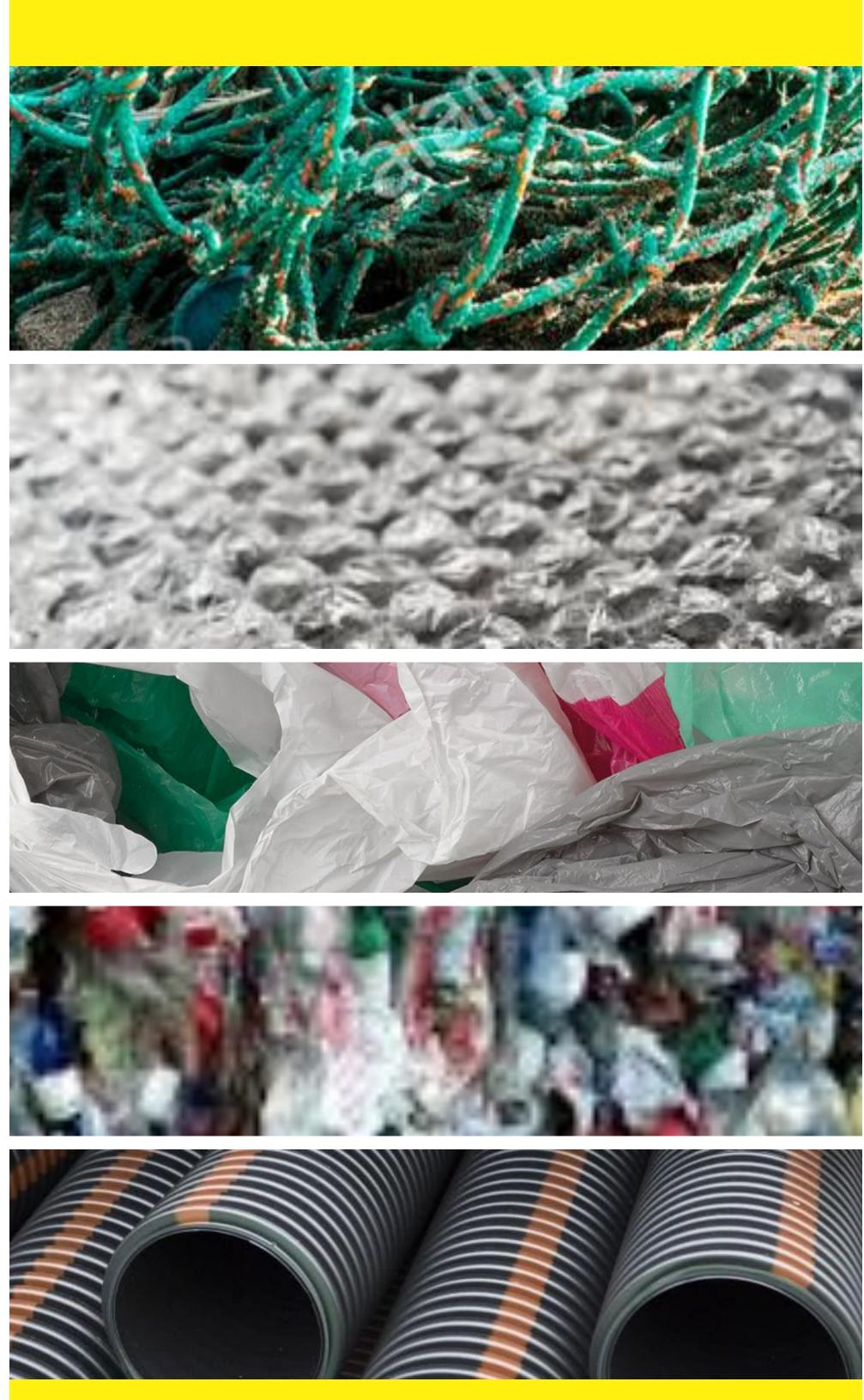
CRITICAL. Cleanstone

I am made from plastic bags.



╉ Unibond Technology

We use your hard to recycle plastics no one else can take.





+ Cleantech Advantage

Every tonne of plastic waste recycled offset approx 1.4 tonnes of carbon emissions.

Made in Auckland from NZ plastic waste.





VS.

+ Buyback Programme

Critical. Will buy back existing Cleanstone at end of life or at store refresh as raw materials for future Cleanstone.



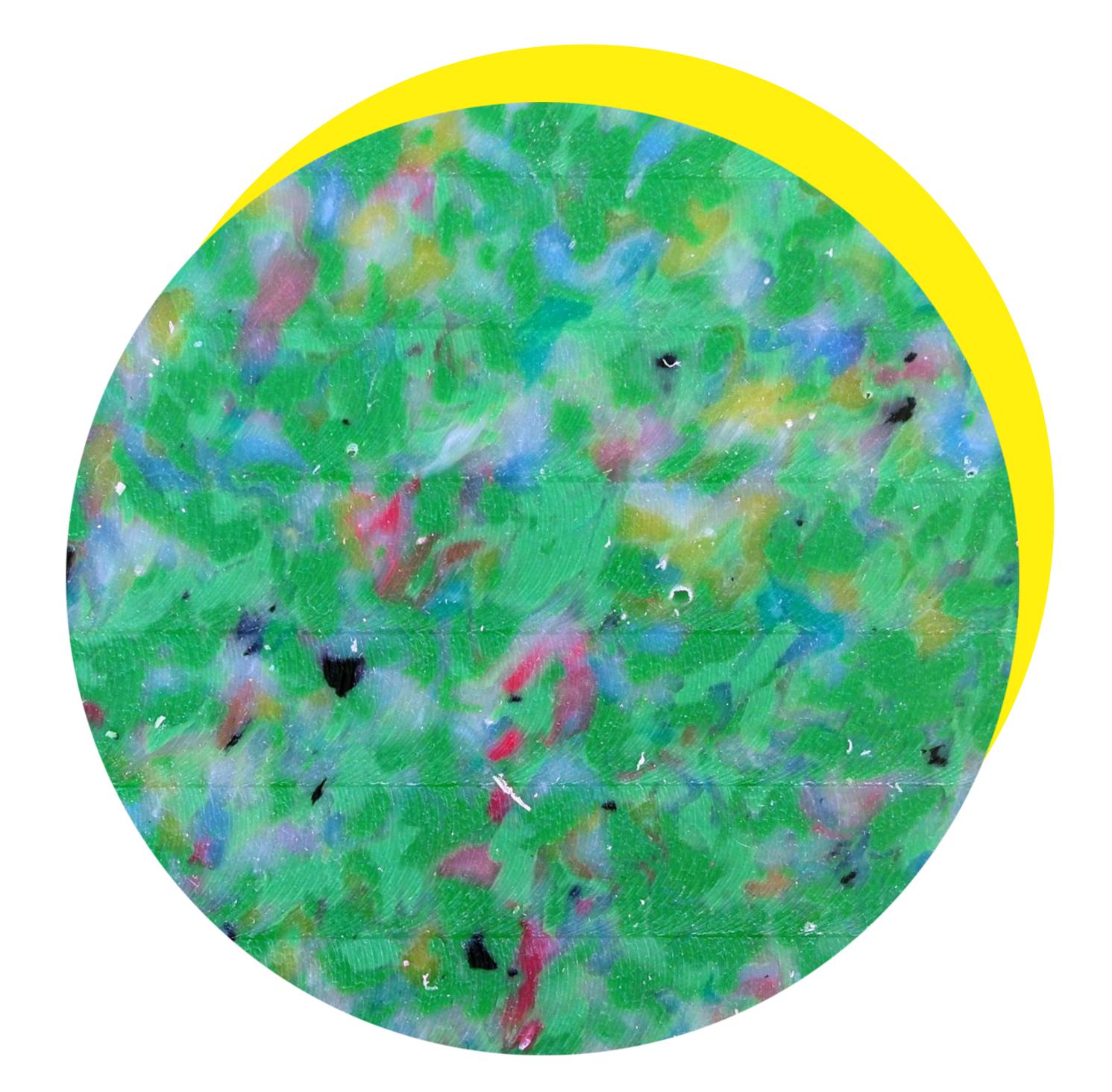
We *buy-back* up to \$35 **per Cleanstone**, <u>credited</u> to **next gen** Cleanstone you *buy from us*.

Cleanstone

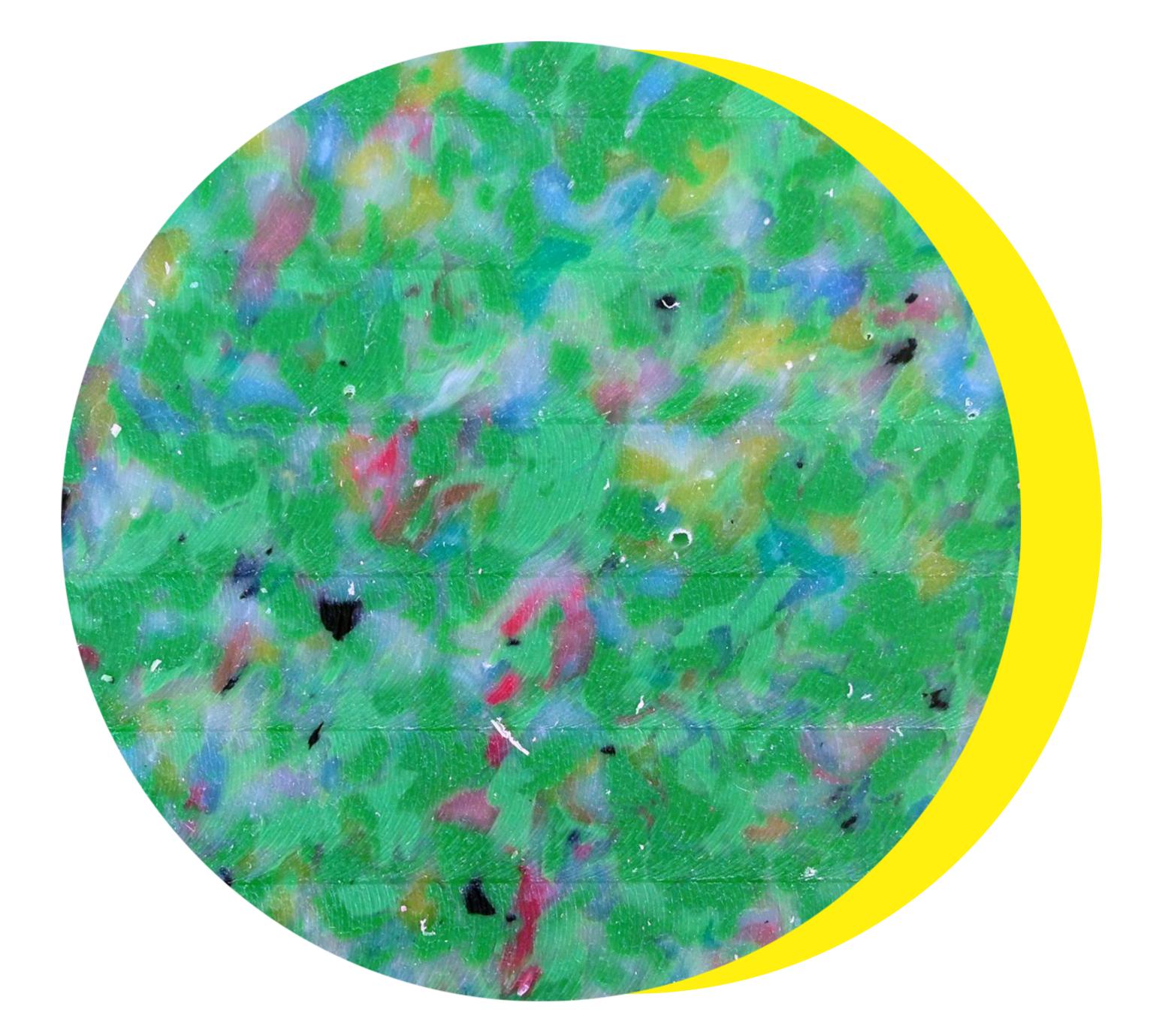


+ Density Plus

Cleanstone made from 20 out of 24 plastic types are made to take a beating.



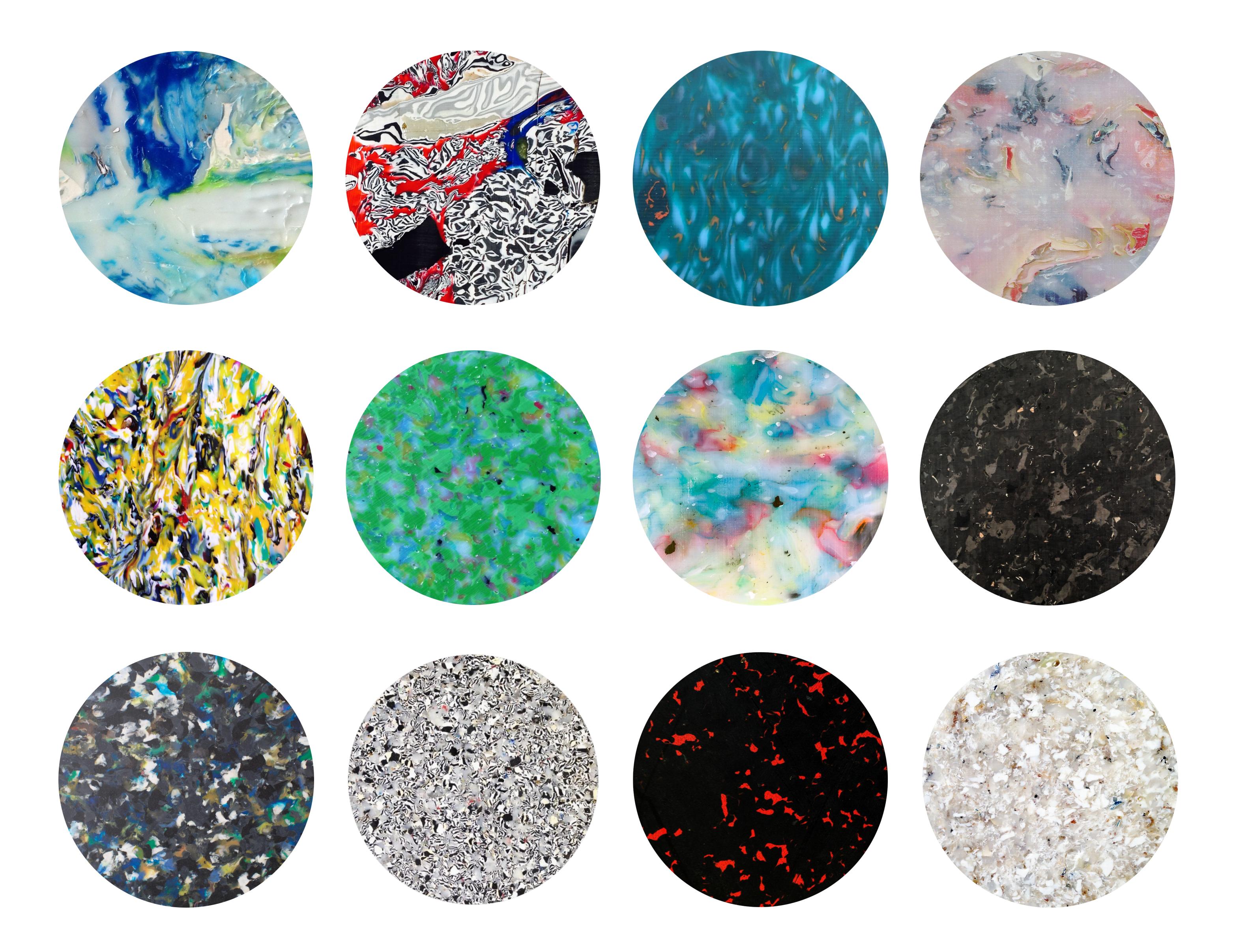
+ Day 1



+ Day 1,825

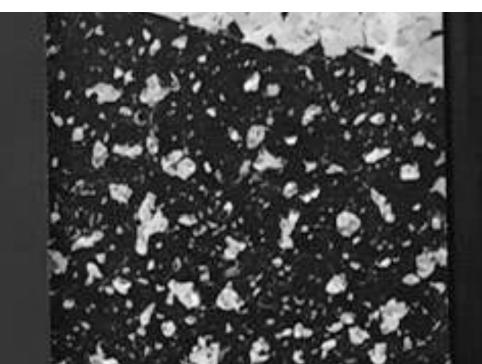
+ Endless Design Advantage

We work with you to co-design Cleanstones that tell a sustainability story specific and unique to your business.





I am made from hundreds of recycled Torpedo7 single-use plastic bags.





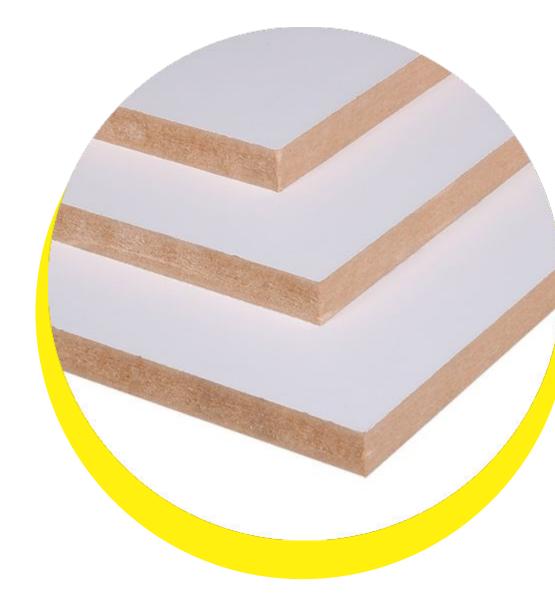
+Total cost of ownership across 5 years

1x CRITICAL. Cleanstone Lasts 20 plus years to a lifetime

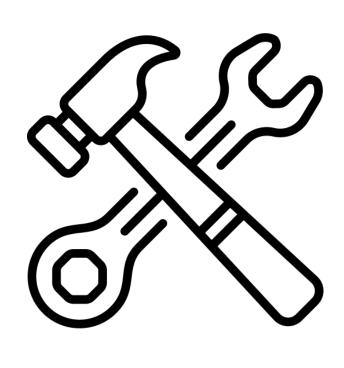
\$68.00



1x Laminate MDF Lasts 5-7 years then landfilled.



\$182.85



Cost to Maintain

+\$15 Quick sand and it's as good as new

Cost to Repair \$0 Durable. Won't break

5

\$400 upfront investment

\$130 upfront investment

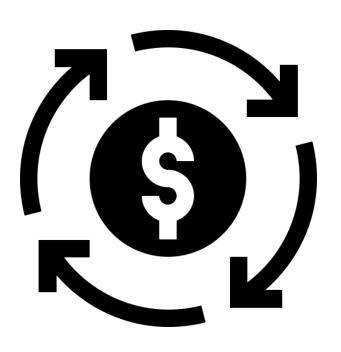


Cost to Maintain

+\$37 When laminate chips, it's often replaced and landfilled.

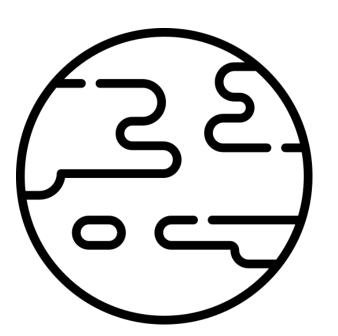
Cost to Repair

+\$37 Cannot be repaired so replaced and landfilled.



End of Life Cost

-\$27 Critical. will buy back your Cleanstone by weight to recycle into new Cleanstone. Endlessly.



Solution to plastic problem. **SO**

Plastic waste reach full circularity, negating any costs to landfill.



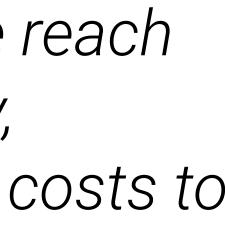


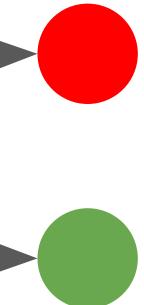
+\$4.5 Freight logistics and landfilled



Plastics problem unresolved. +\$11.5

Equivalent weight of plastics sent to landfill p/yer across 5 years.

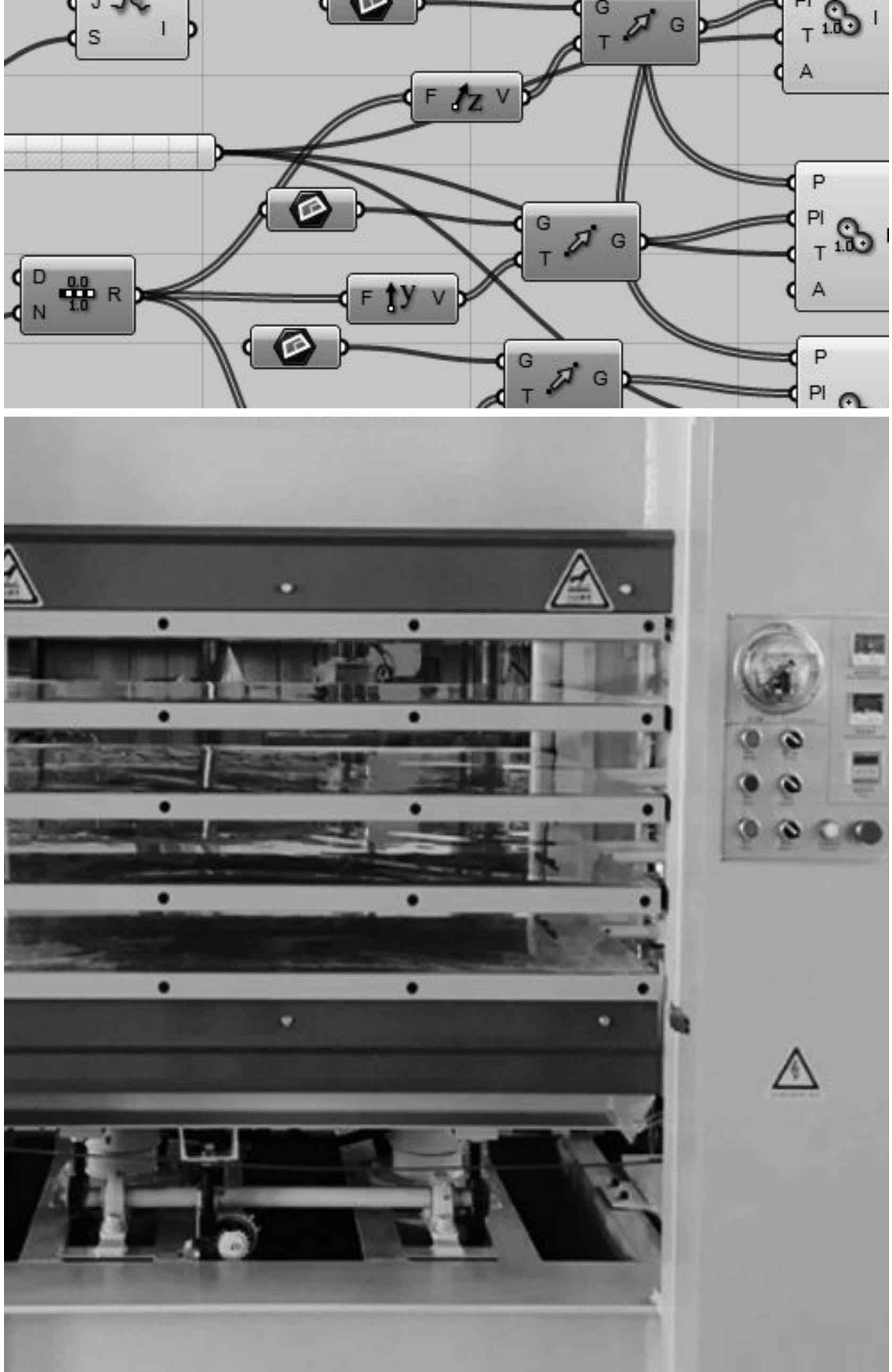


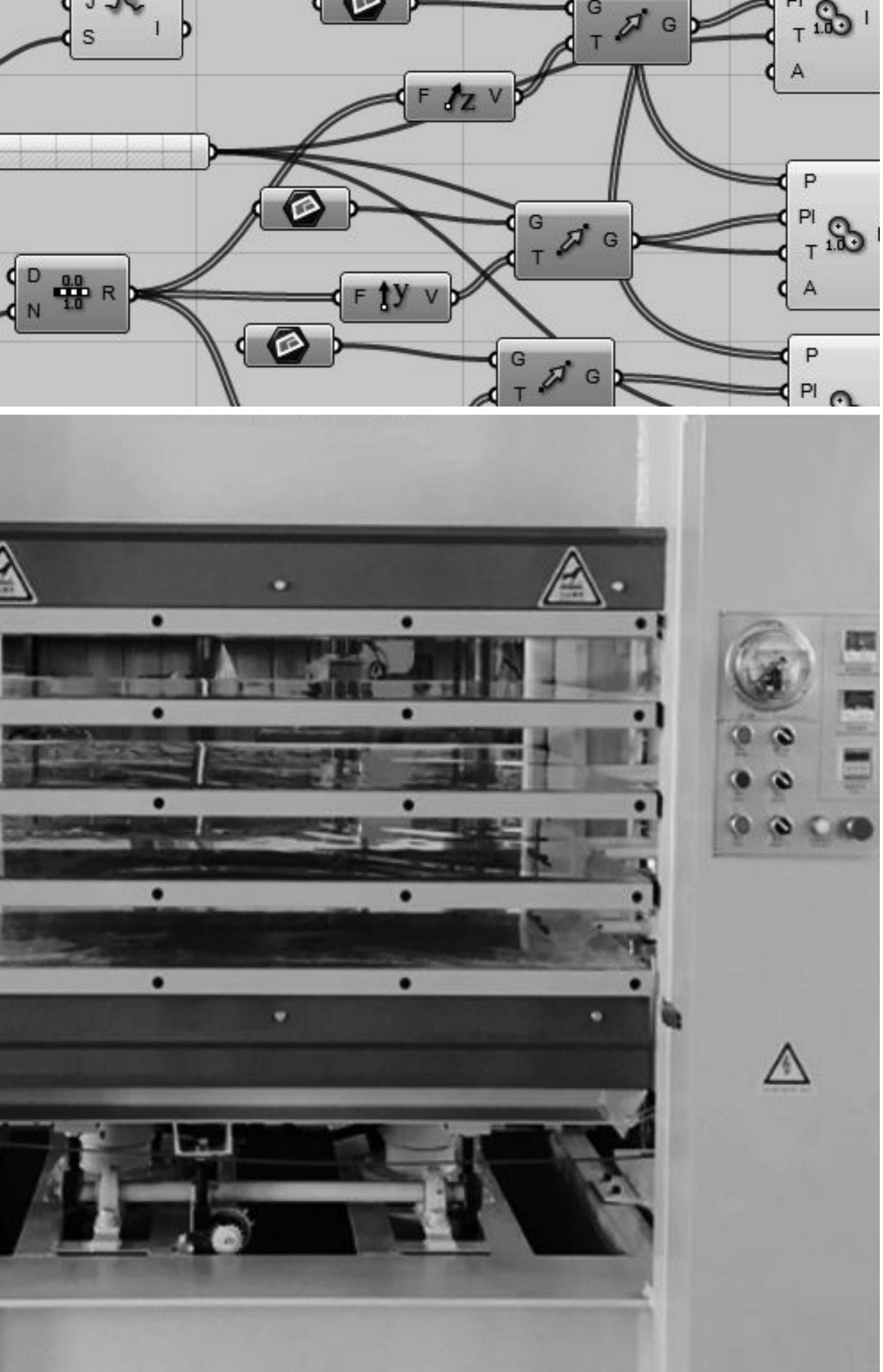




╋ Just-in-time Production

Critical. can manufacture to scale with your demand and deliver Cleanstones as we produce them at a fortnightly to monthly basis.





+Durability

	Critical. Cleanstone 1.2m by 2.4m, 18mm thick 100% recycled plastics.	Laminate MDF 1.2m by 2.4m, 18mm thick.	Timber laminated Panels (pine)	ACM Polyethylene p sandwiched between thin aluminium
LIFE SPAN	20+ years to lifetime.	5-10 years	5-10 years.	3-5 years indoor 5-10 years outdo
INSTALL	versatile to work with.	Quick with care. MDF Laminates are pre finished panels but installation through cutting and fixing can damage the laminated veneer.	Moderate to slow. Timber laminated panels require labour to sand, seal, prime and paint.	Quick. Prefinished panels and ver to work with. No sanding a
	Very easy.	Labour intensive, and often landfilled. Scuffed melamine surface become visually obvious and hard to clean. It's difficult toreplace and often landfilled.	Labour intensive Scuffed surfaces visibly obvious and harder to clean. Requires sanding and recoating with polyurethane.	Replacement Scuffed surfaces visibly obvious and harder to clea Requires sanding and reco polyurethane.
	material all the way through. No delamination, no chipping and no	Moderate. Melamine surface chips from edges with wear. PVC edgeband delaminates exposing MDF interior.	Moderate. Timber slats delaminate over time creating gaps and cracks in the panel. Labour required to reglue and fill.	Good ACM Panels are strong an stiff over time but are pror snapping and denting dep use case.
LIQUID/ MOISTURE RESISTANCE		Vulnerable . Exposure to moisture and liquid swells MDF, causing warpage and mould.	Moderate . More resistent to than MDF, but still prone to delamination, mould and swelling when seal breaks.	Resistant . Though both plastic core a aluminium don't react to n bonding agents, laminates do over time.
	Moderate but not easily visible Though plastic surface is moderately resistant to scuffing, certain patterns	Harder wearing but Limited lifespan Melamine is resistant to surface scuffing but over time when scratches become deeper, it's clearly visible and will need replacement.	Moderate and visible Scratches and scuffing are clearly visible with wear and tear. Soft timbers like pine and more prone to scratcing vs harder/ marine timbers.	Moderate Scratches to paint and der visibly obvious. Difficult to often replaced.

dents are to repair and

re and o moisture, ites and paint

and remain orone to depending on

lean. ecoating with

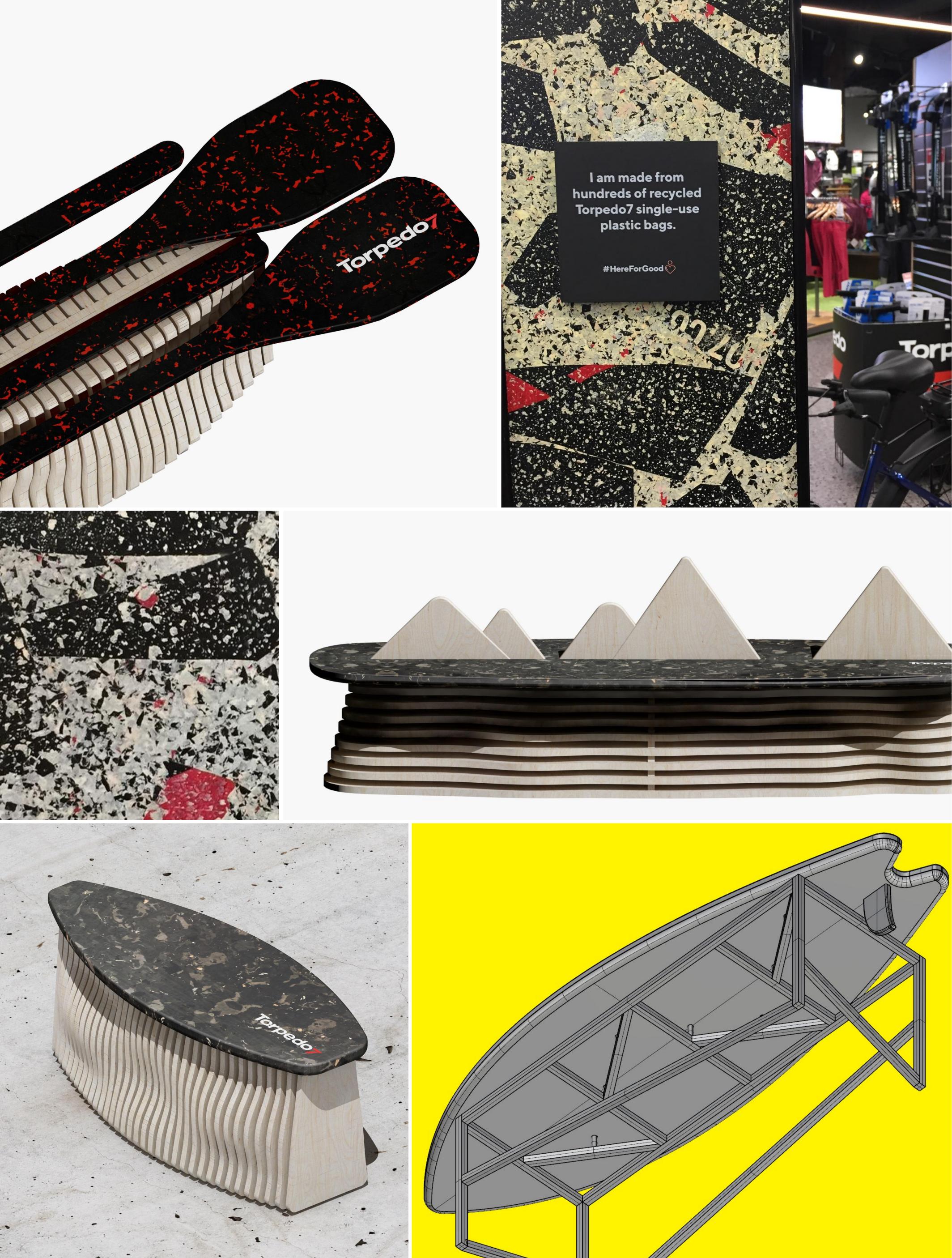
versatile ig and sealing.

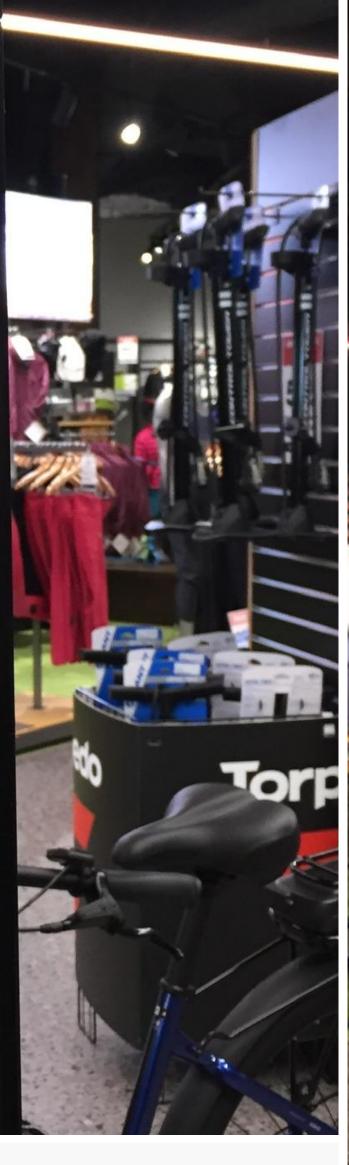
ors doors

e plastic en 2x prepainted m panels























Rui Peng

Co-founder. +64 21 173 9524

rui@criticaldesign.nz @critical.things @Criticalnz @ru_aye

CRITICAL.

From plastic waste to beautiful, durable, endlessly recyclable materials.

criticaldesign.nz



CriticalDesign.nz | CRITICAL.







