Cape Town
The New Norm!

28 February 2018

Greencape

ARC INNOVATIONS

Same Boat

ARC INNOVATIONS

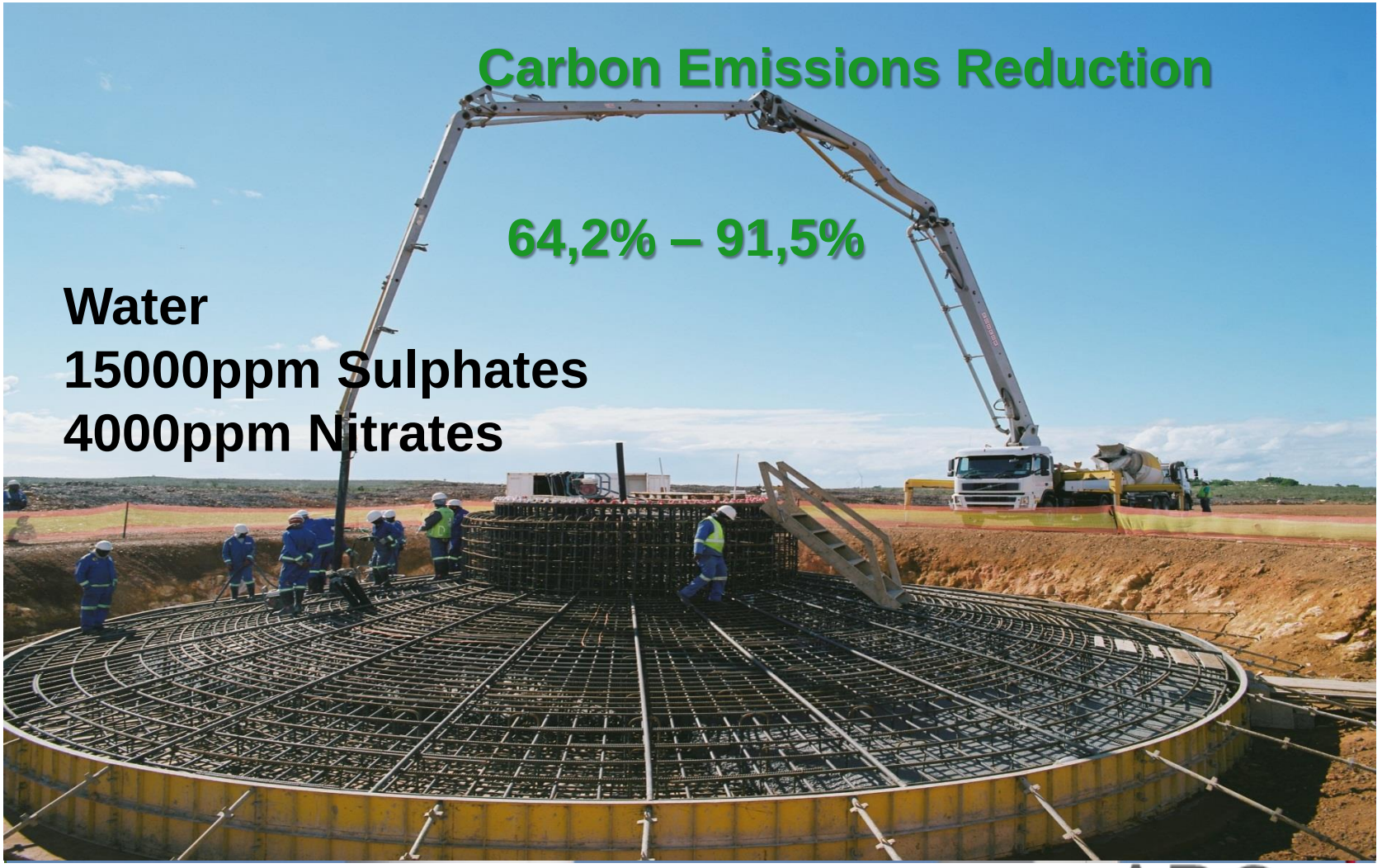
Effluent

ARC INNOVATIONS

Wind Farms

ARC INNOVATIONS

Wind Farms



ARC INNOVATIONS

Bricks and Pavers

ARC INNOVATIONS

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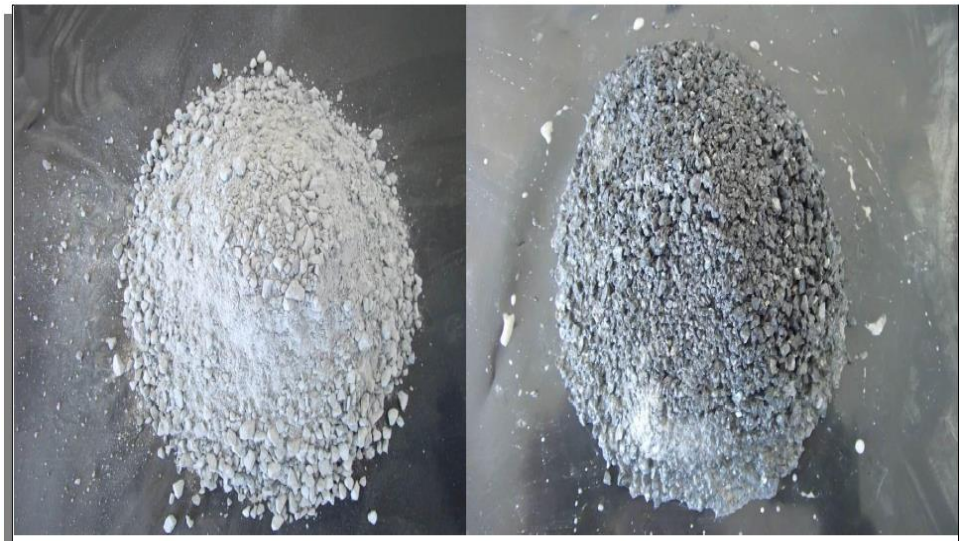
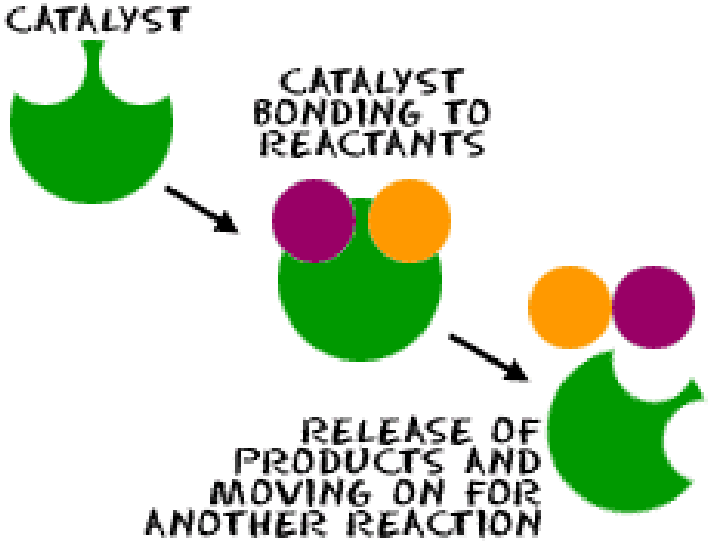
Bricks and Pavers

Pulverised Flue Ash

Ash Resources, Sephaku and Ulula



Dolomite Fine Aggregate



ARC INNOVATIONS

Bricks and Pavers

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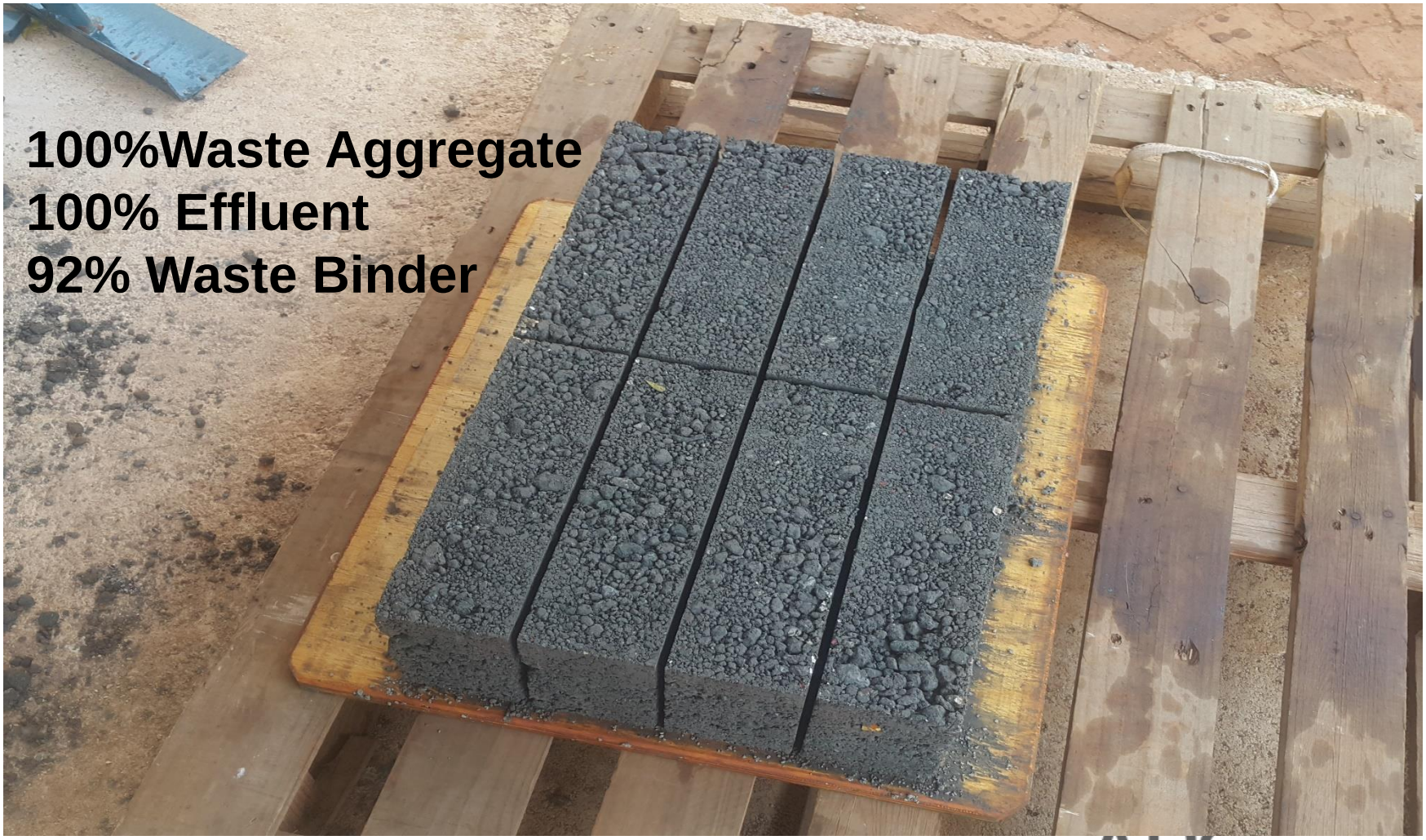
Bricks and Pavers



ARC INNOVATIONS

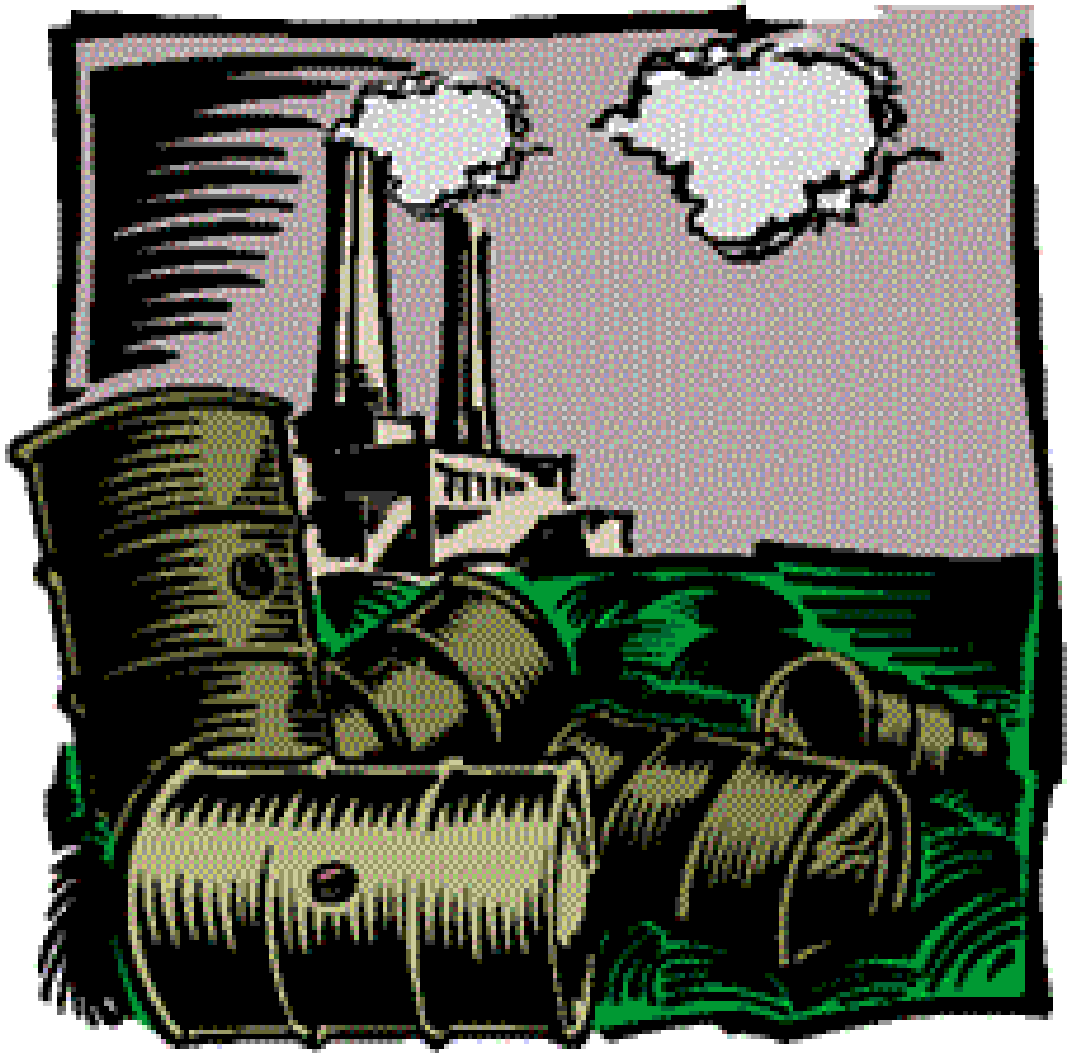
Bricks and Pavers

1950kg Waste aggregate, binder and effluent

50kg of Commercial Activator

50 MPa

Uses of Waste and Effluent



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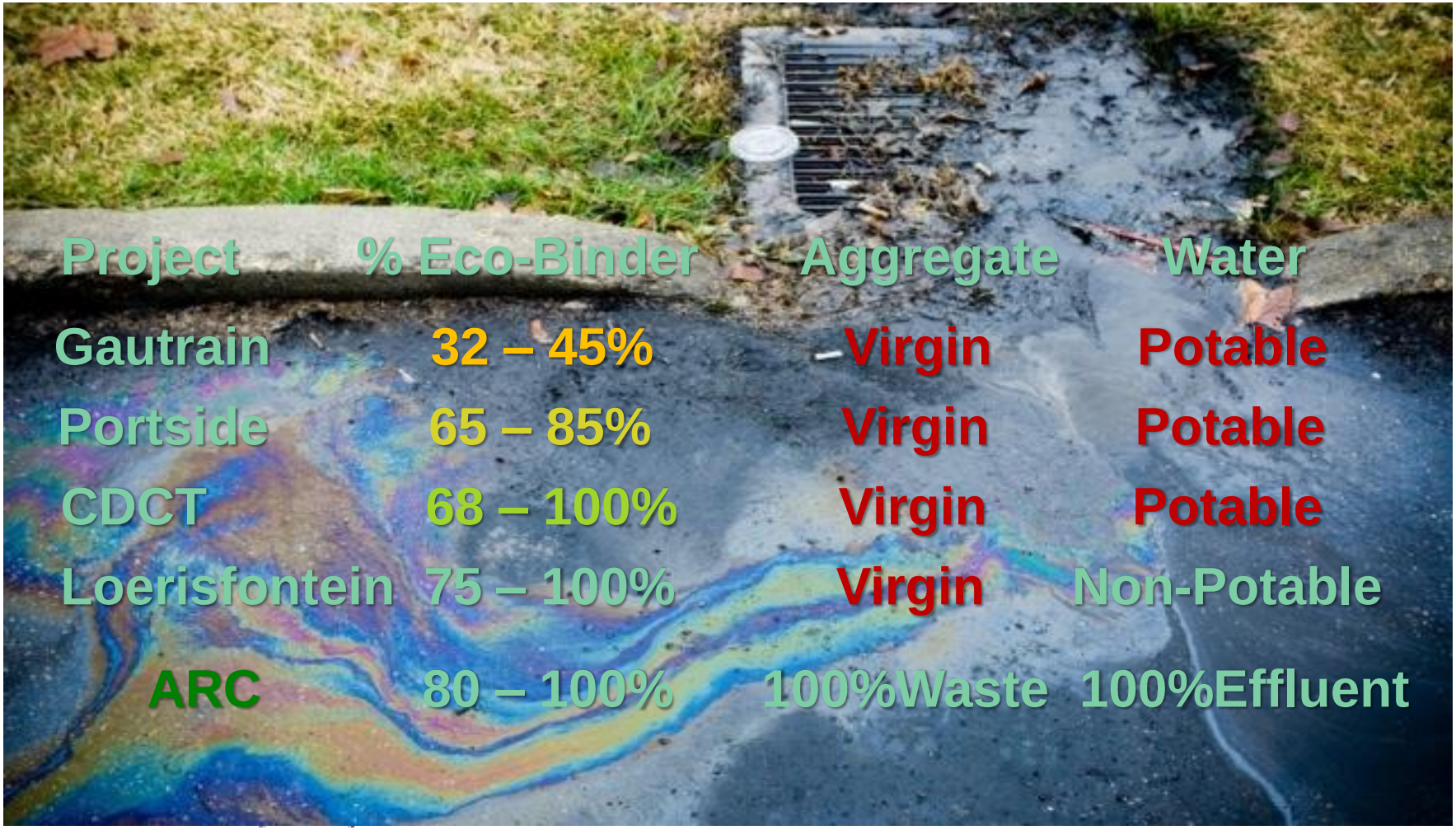
Uses of Waste and Effluent



Project	% Eco-Binder	Aggregate	Water
Gautrain	32 – 45%	Virgin	Potable
Portside	65 – 85%	Virgin	Potable
CDCT	68 – 100%	Virgin	Potable
Loerisfontein	75 – 100%	Virgin	Non-Potable
ARC	80 – 100%	100%Waste	100%Effluent

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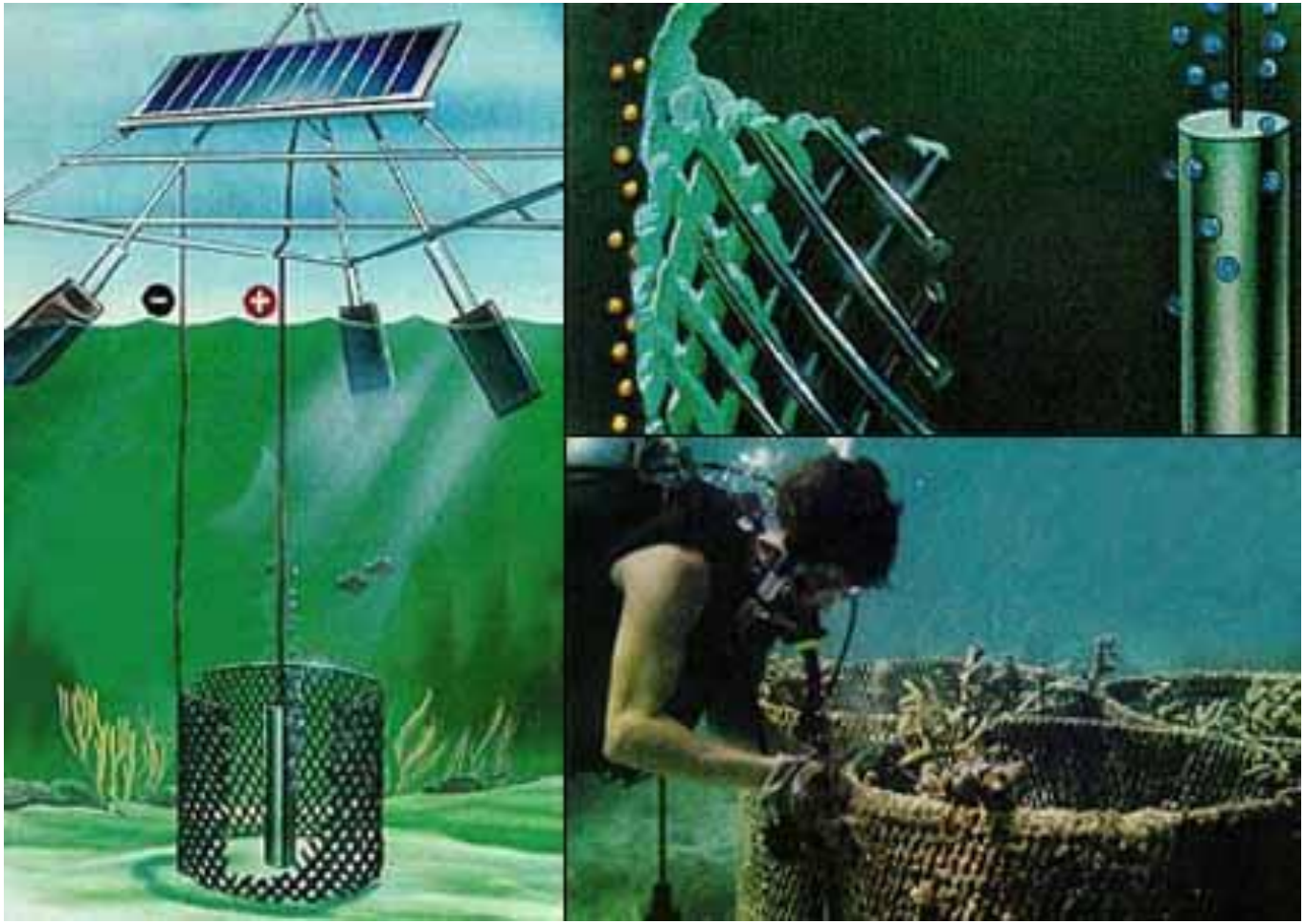
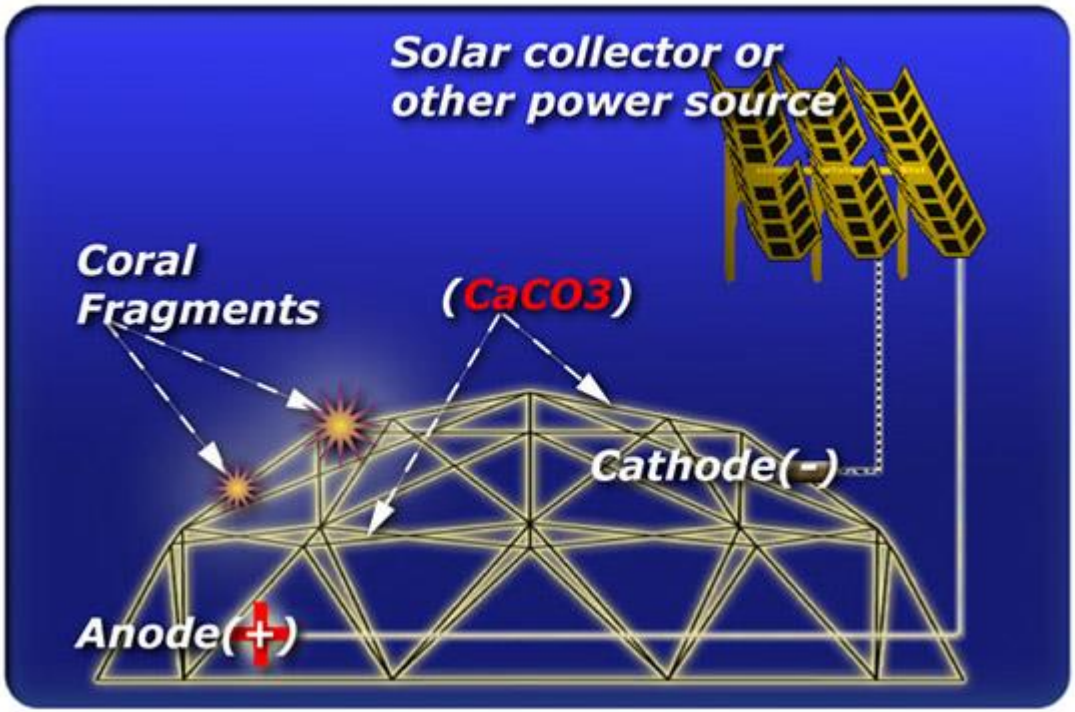
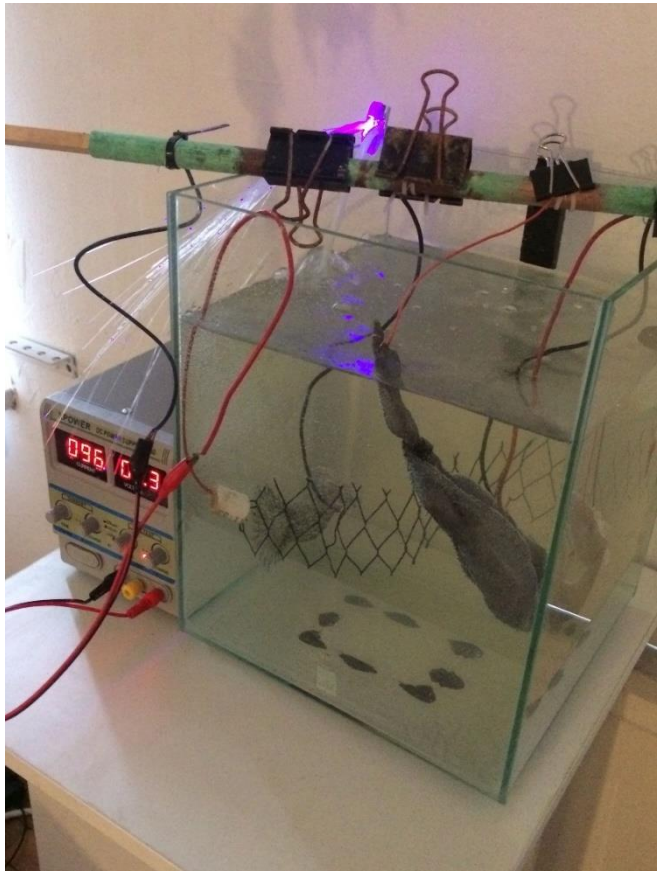
Future



Producing concrete from seawater

Future





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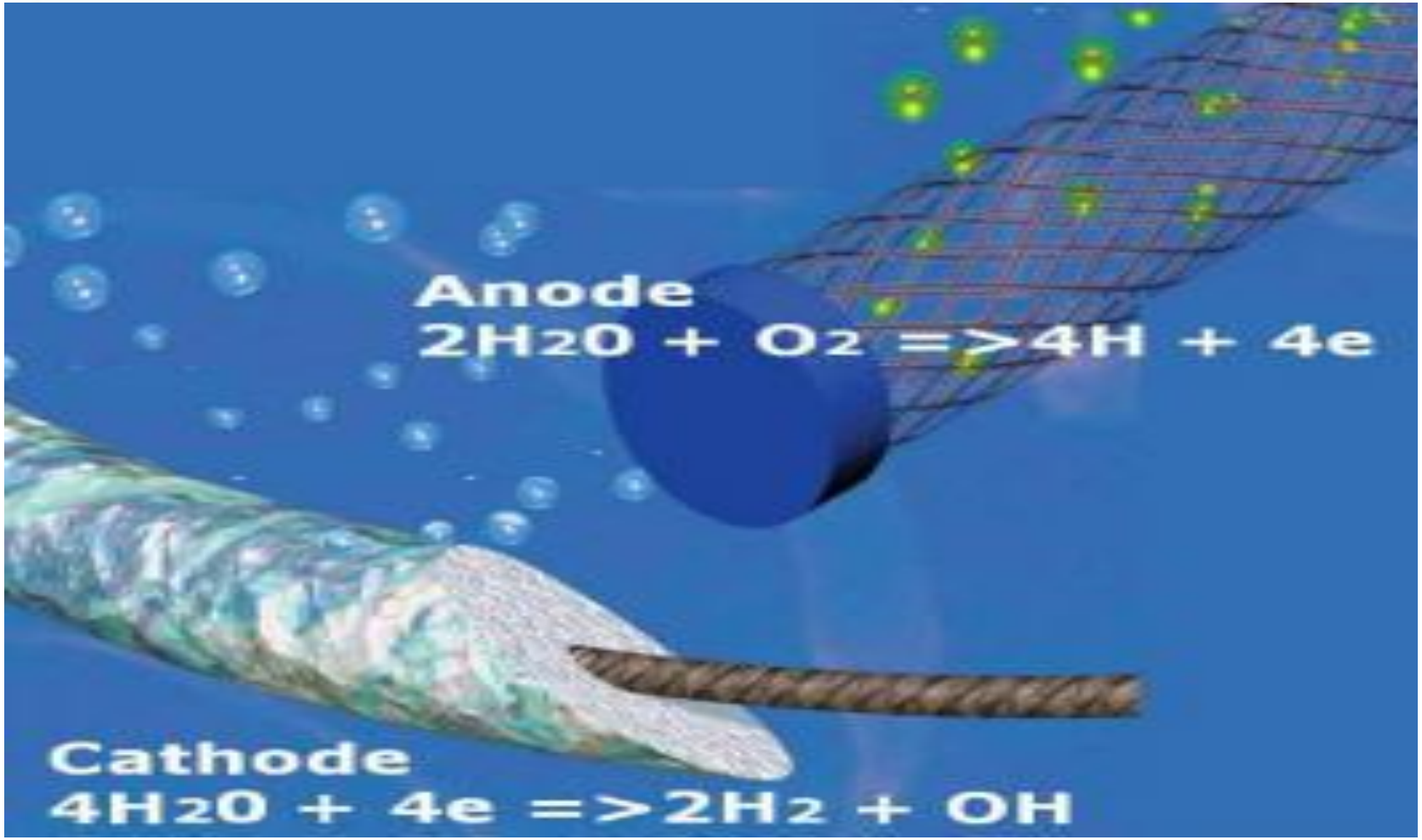

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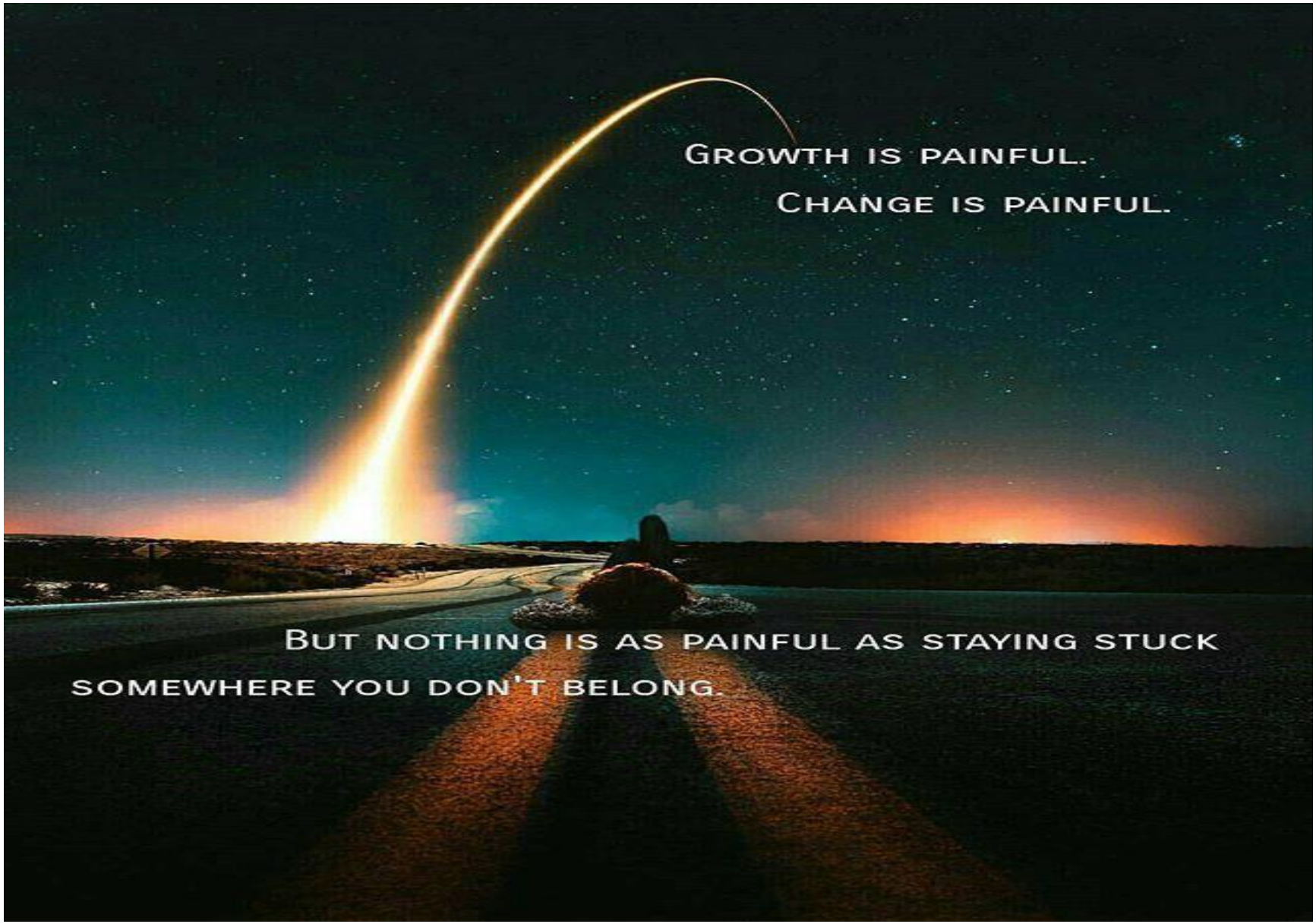

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