

Grey to Green Past, Present and Future

10 October 2017

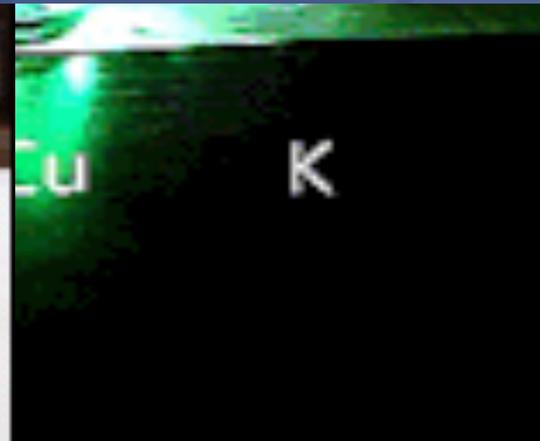
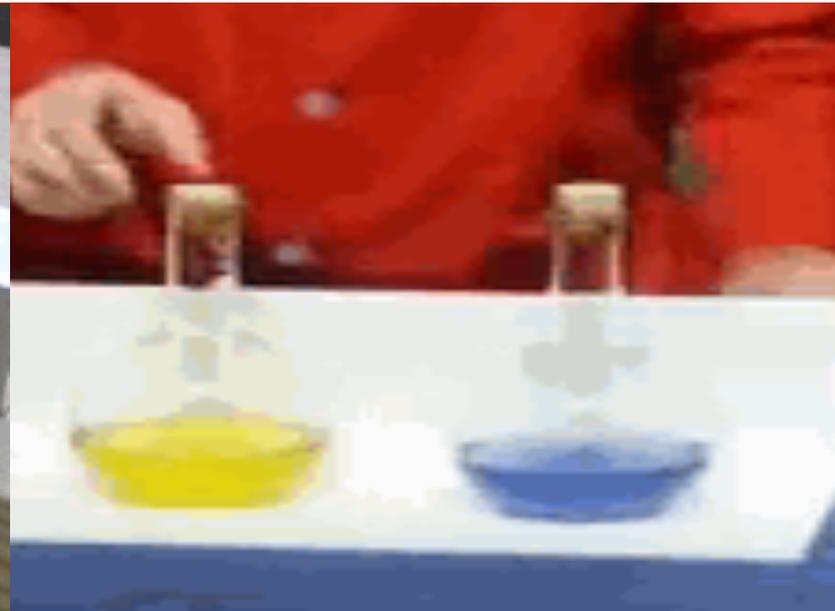
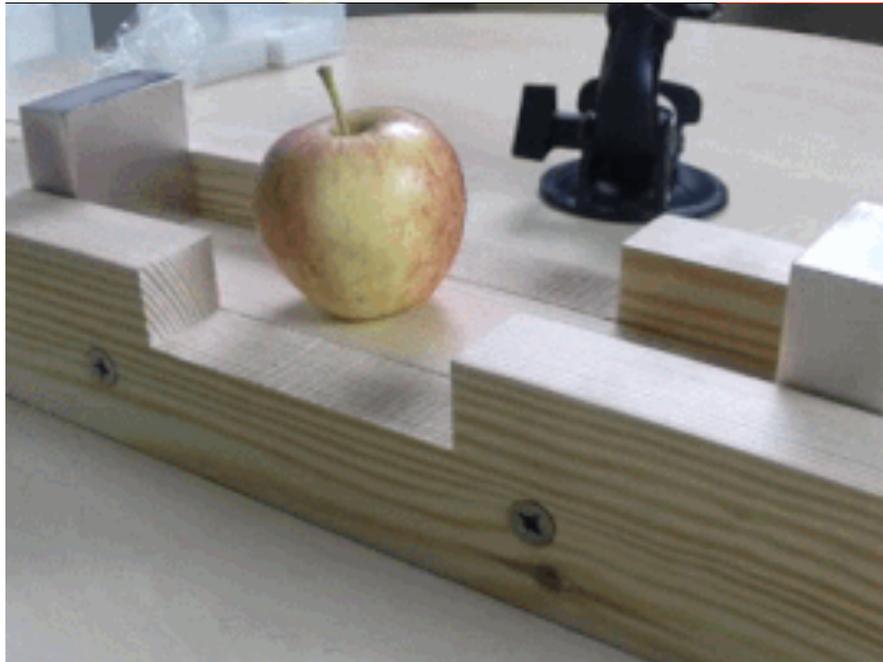
GBCSA



Perspective

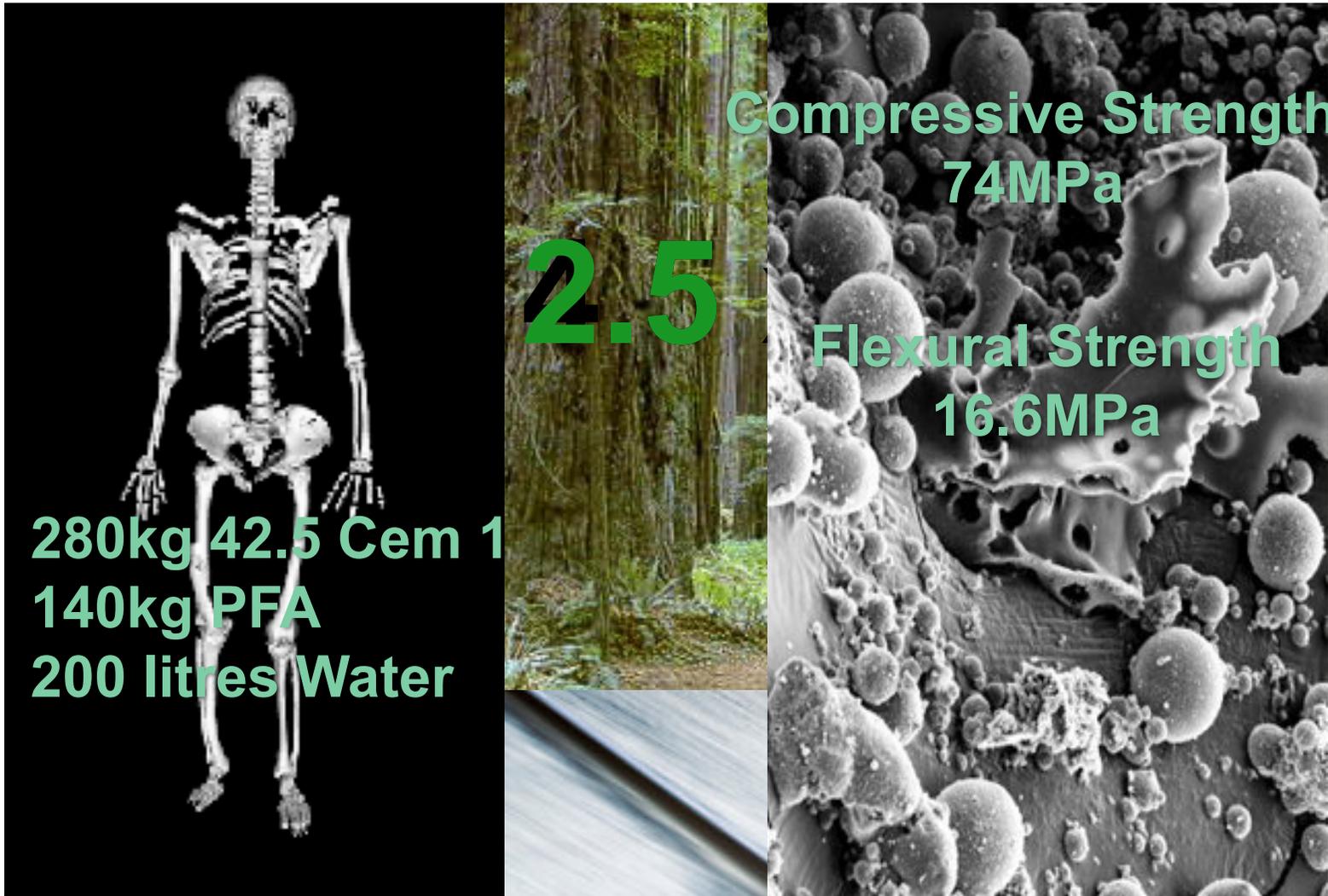


Technology



4GIF5
.COM

Gautrain



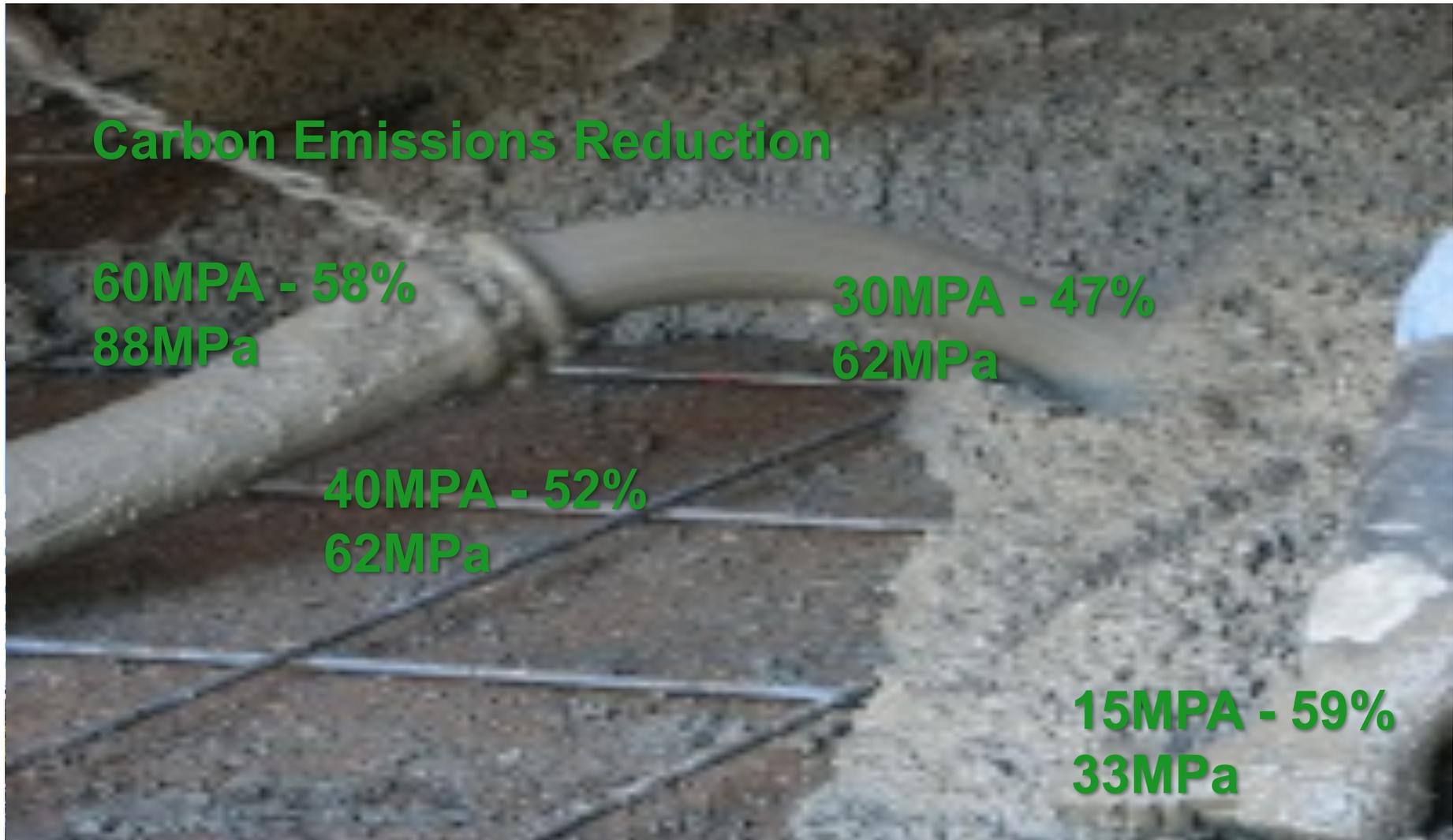
2.5

**Compressive Strength
74MPa**

**Flexural Strength
16.6MPa**

**280kg Cem 1
140kg PFA
200 litres Water**

Portside



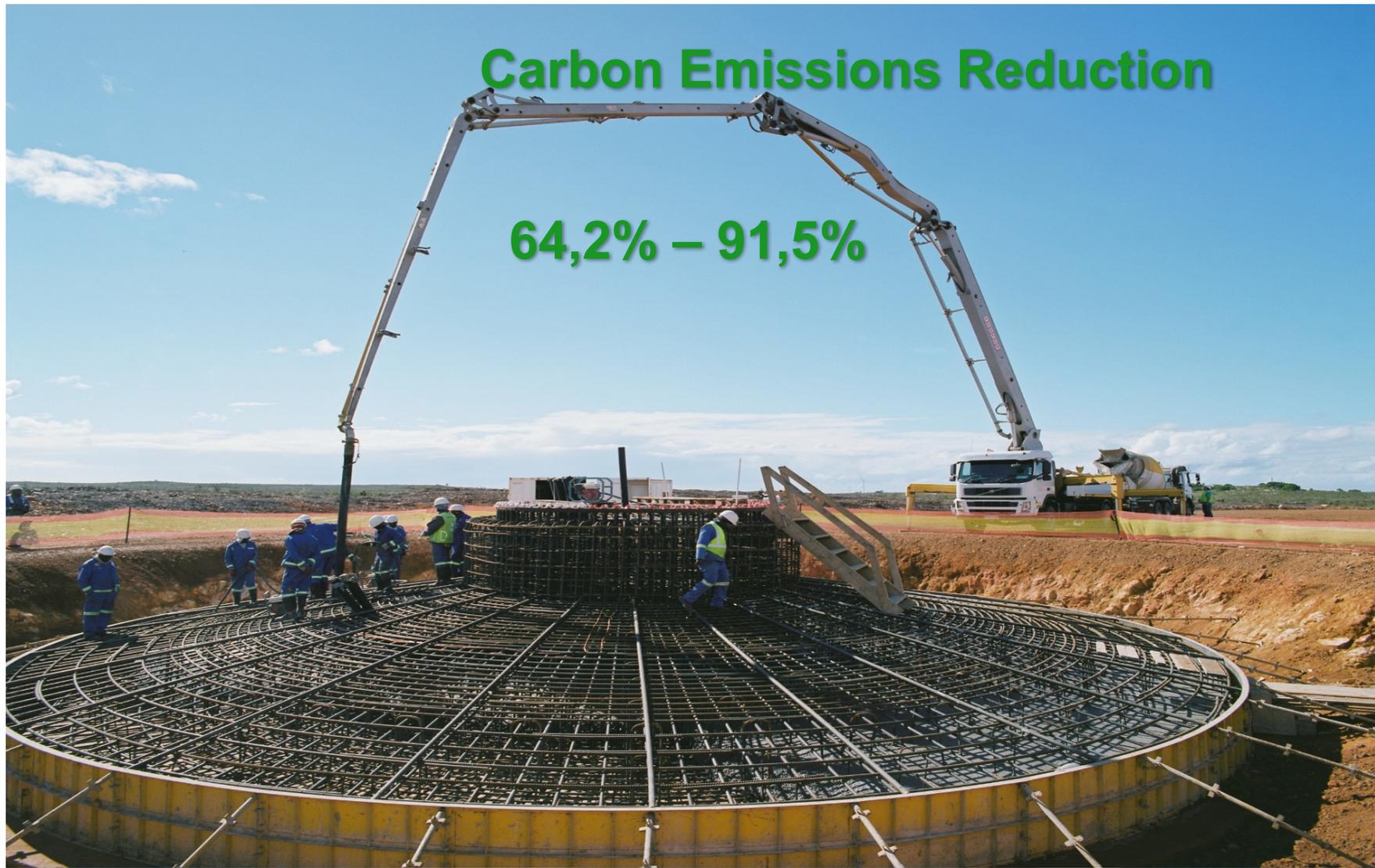
City Deep Container Terminal



Carbon Emissions Reduction

50MPA – 92,7%

Wind Farms



Carbon Emissions Reduction

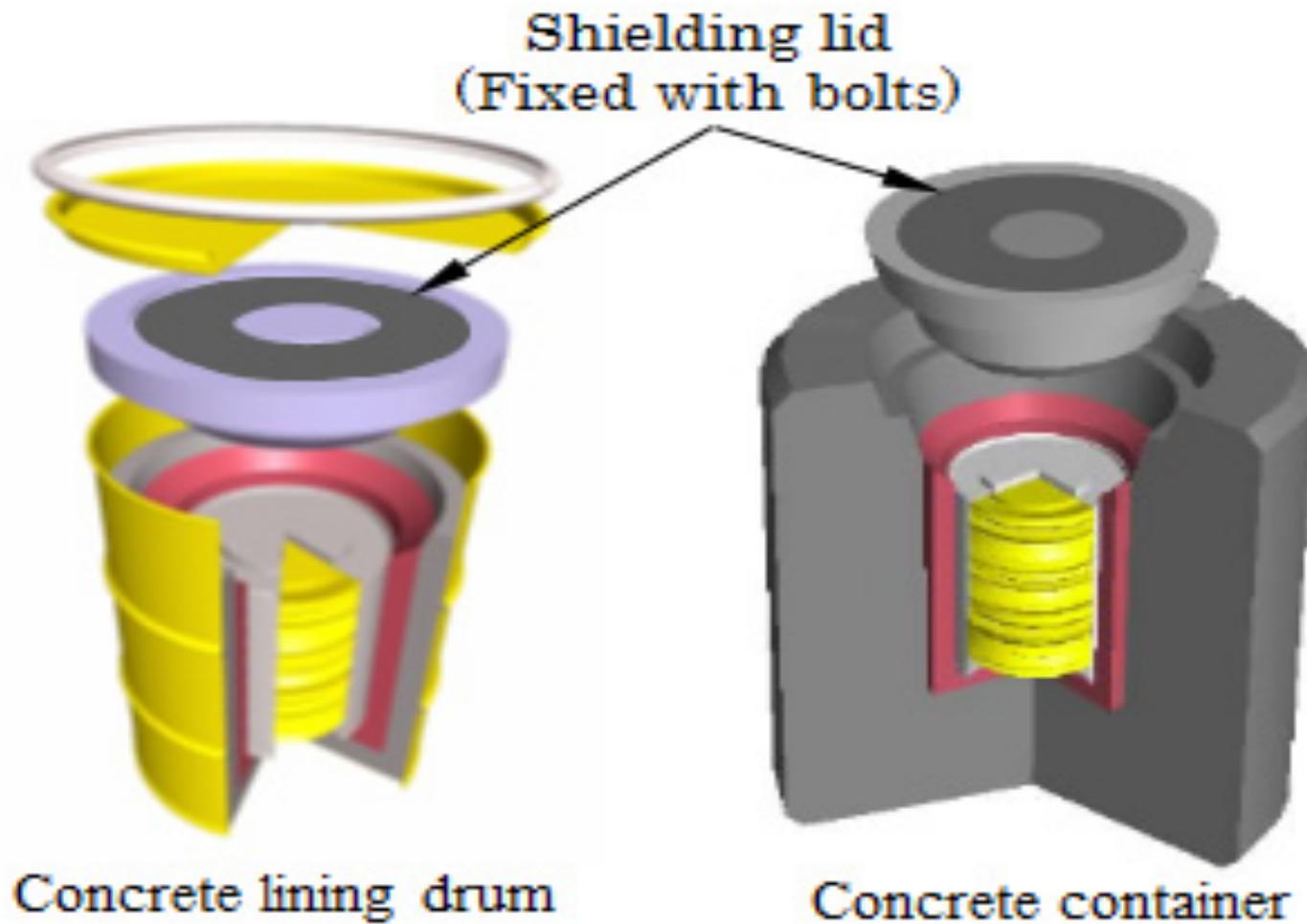
64,2% – 91,5%

Present

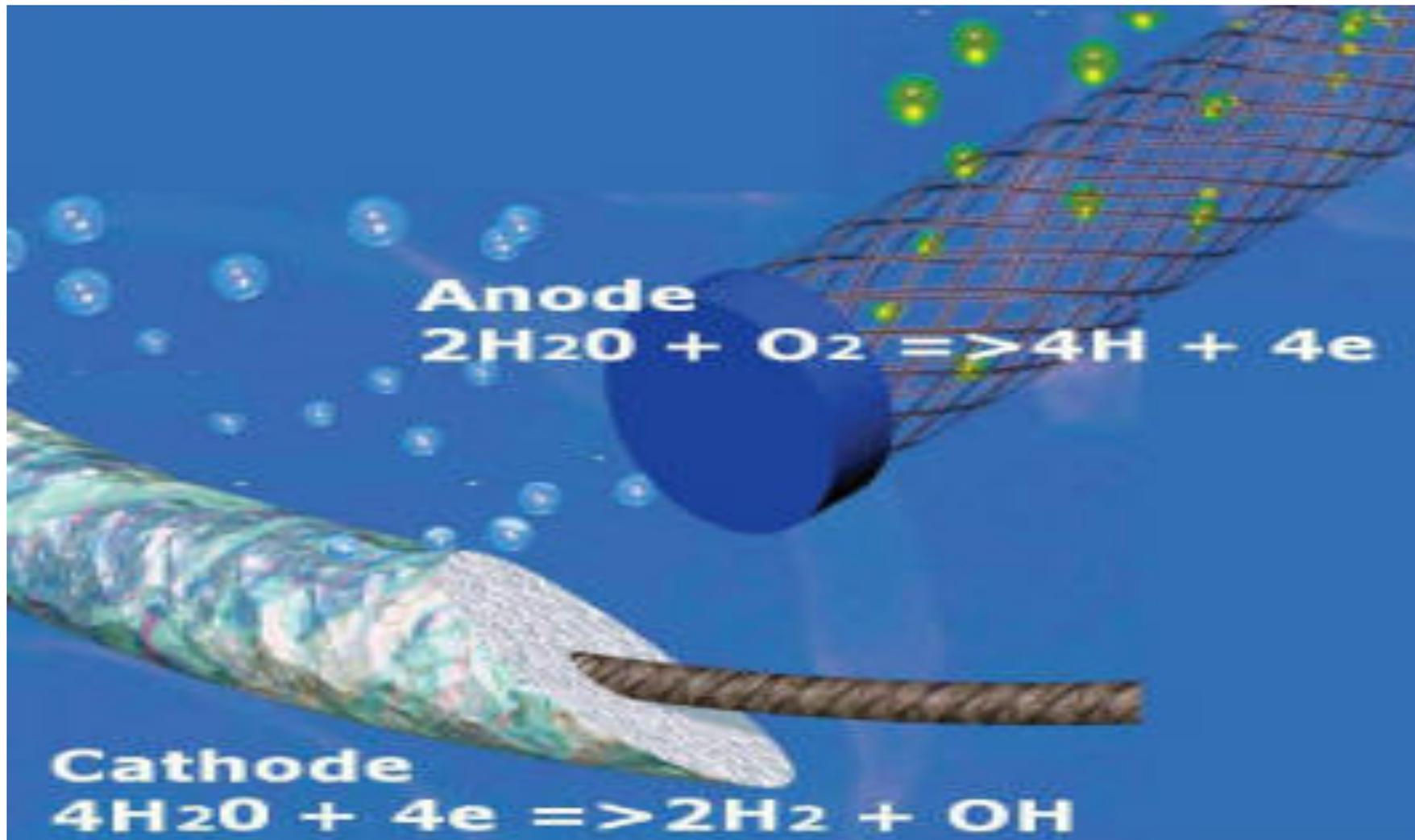


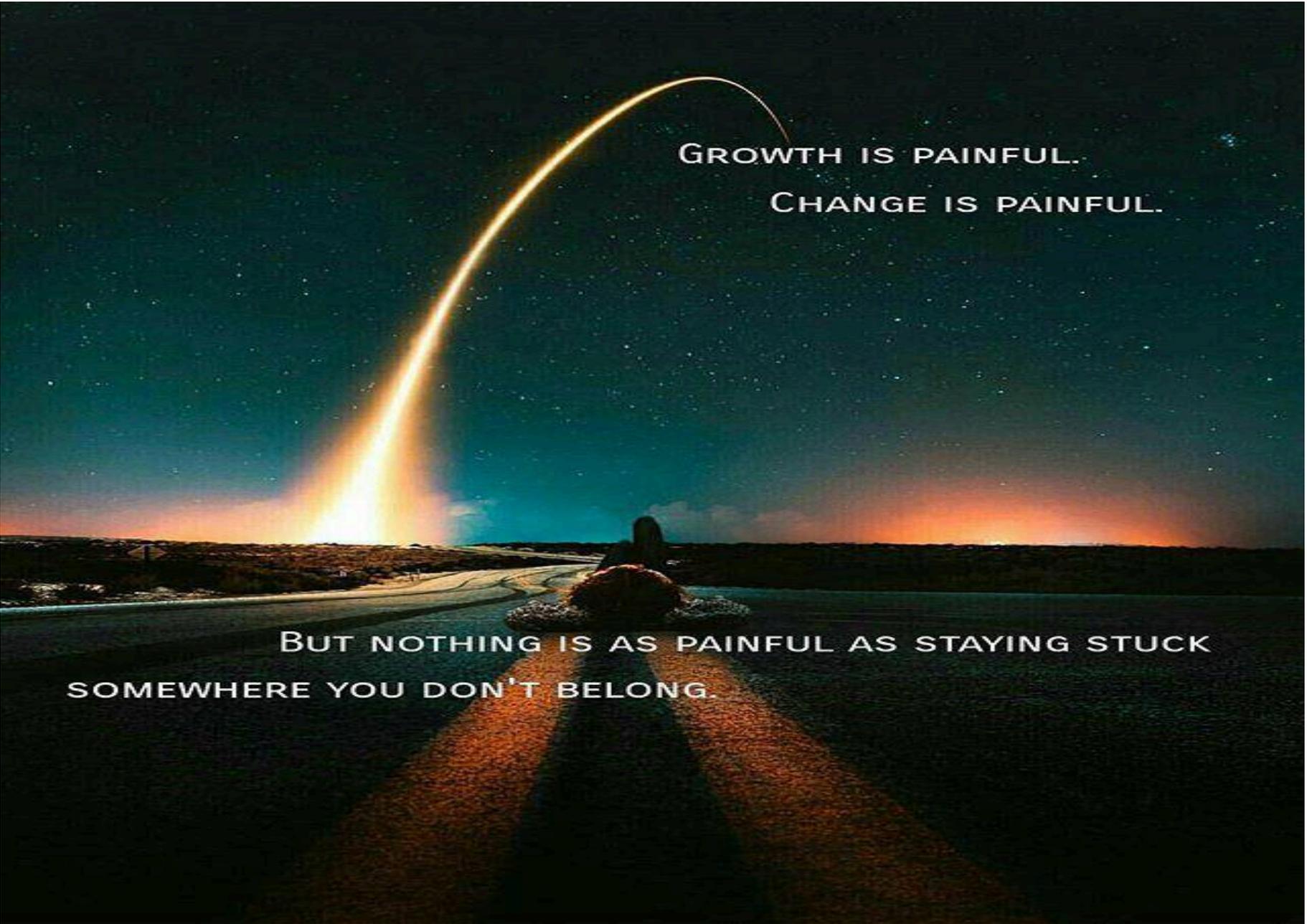
Project	% Eco-Binder	Aggregate	Water
Gautrain	32 – 45%	Virgin	Potable
Portside	65 – 85%	Virgin	Potable
CDCT	68 – 100%	Virgin	Potable
Loerisfontein	75 – 100%	Virgin	Potable
ARC	80 – 100%	100%Waste	100%Waste

Future



Future





GROWTH IS PAINFUL.

CHANGE IS PAINFUL.

BUT NOTHING IS AS PAINFUL AS STAYING STUCK
SOMEWHERE YOU DON'T BELONG.

ARC INNOVATIONS