HEART OF ST KILDA

LAGI COMPETITION 2018
ST KILDA TRIANGLE SITE

PIEZOELECTRIC FLOOR
Total area 2,500m² @ 100kWh/m². Approx. 250,000KWh

TOTAL ANNUAL ENERGY PRODUCTION - APPROX. 2,100MWh

RAINWATER HARVESTING
Approx. yearly rainwater harvest of 9,750,000 litres

ENERGY HARVESTING CLEAR GLASS
Total area 1,400m² @ 90kWh/m². Approx. 126,000KWh

SOLAR GRASS PAVERS

OPV CANOPIES

TOTAL ANNUAL ENERGY PRODUCTION - APPROX. 2,100MWh

WHAT IF WE COULD COMBINE TRAFFICABLE SOLAR PANELS & GRASS PAVERS TO CREATE A NEW LANDSCAPE SURFACE?

AERIAL FROM NORTH WEST

PHOTOVOLTAICS

BIOSWALE

TOTAL ANNUAL ENERGY PRODUCTION - APPROX. 2,100MWh

=integrated solar panels

TOTAL ANNUAL ENERGY PRODUCTION - APPROX. 2,100MWh

OPV CANOPY

SOLAR GRASS PAVERS

PIEZOELECTRIC WALKWAY

TRANSPARENT PACKAGING

EXTERNAL LOAD

SUBSTRATE

LIGHTING

COMMUNICATION

PHONE CHARGING

ST KILDA BEACH 100M