LOW CARBON SOLUTIONS

7

SOLAR ENERGY

Leisure Centre

EVAPORATION

HIGH EFFICIENCY DIRECT DRIVE VENTILATION FANS INVECTOR CONTROLLED

ULTRA HIGH EFFICIENCY AIR TO AIR HEAT EXCHANGER

4

AIR

AIR HEAT EXCHANGER

1 UNIT ENERGY IN

HEAT PUMP

ATMOSPHERE

1

UPTO 90% HEAT RECOVERY EFFICIENCY

4

AIR HEAT EXCHANGER

2

6 UNITS HEATING REFRIDGERATION

PUMP

HIGH EFFICIENCY ENHANCEMENT

3

HIGH EFFICIENCY CONDENSING BOILER (GAS FIRED)

6

PUMP

HIGH EFFICIENCY ENHANCEMENT

POOL WATER HEATING

6 UNITS HEATING REFRIDGERATION

1 UNIT ENERGY IN

HEAT PUMP

5

GROUND SOURCE HEAT PUMP

HEAT RECOVERY 5 UNITS

BELOW GROUND LEVEL

A AIR

R REFRIDGERANT

H HEATING WATER

P POOL WATER