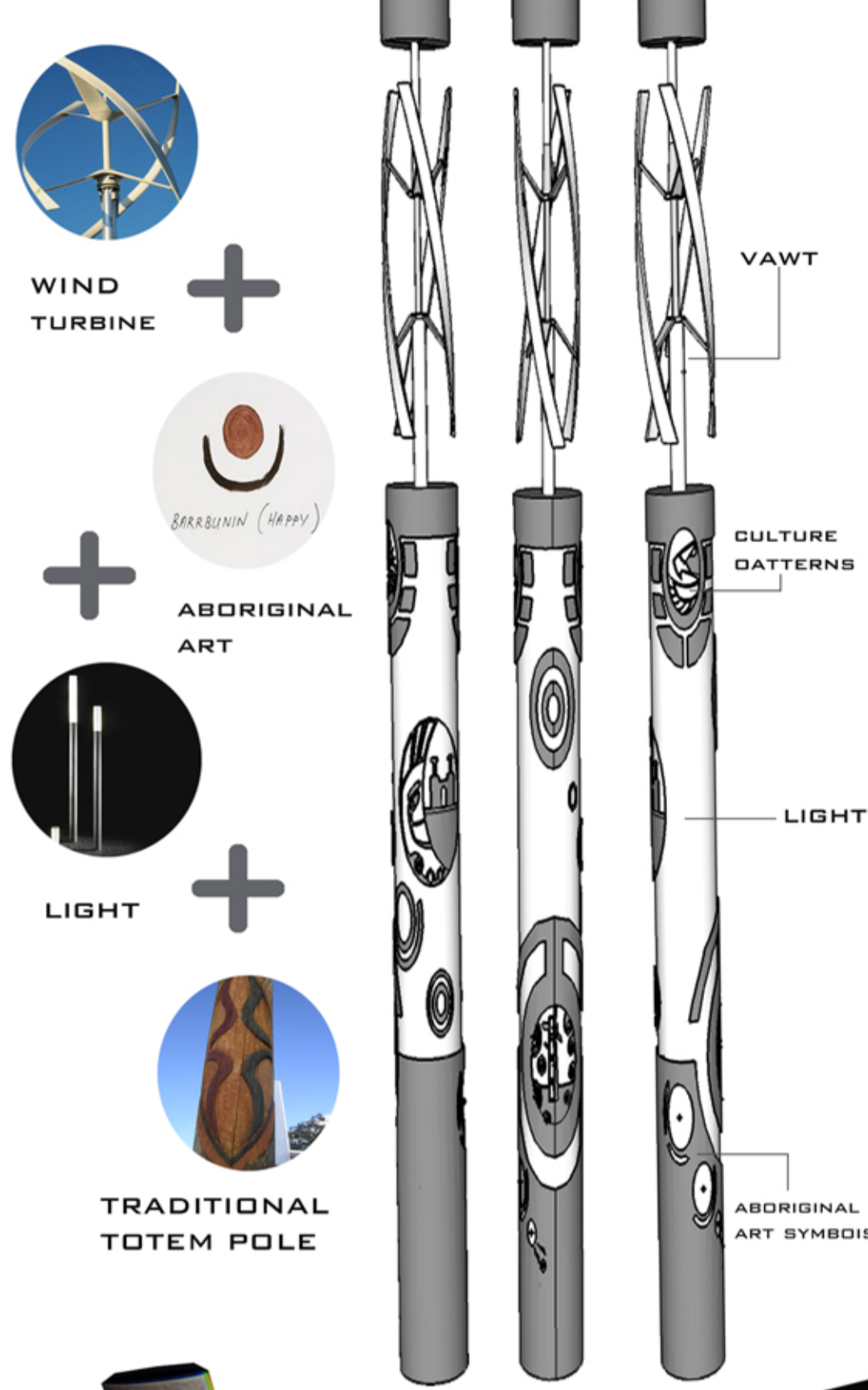


PAST AND FUTURE

MODERN TOTEM POLE: DESIGN ELEMENTS:

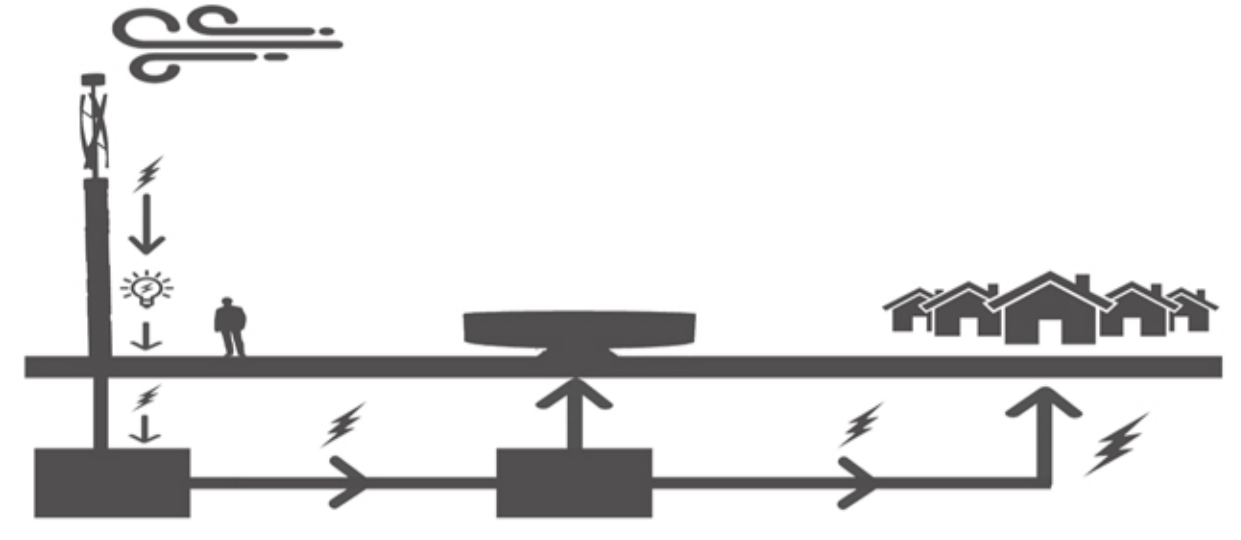


VAWT:(VERTICAL AXIS WIND TURBINE)

TURBINE SIZE: 3.5M
PROVIDE POWER: ONE TOTEM POLE: 25 KW-H /DAY
 TOTAL POWER: 576000 KW-H /YEAR

TOTEM POLE HIGHT: 10M
START SPED: 2M/S -3M/S
NUMBER OF NEW TOTEM POLES: 64 TOTEM POLES IN SITE

KULIN PEOPLE USE TOTEM POLES TO DISPLAY THEIR CULTURE, OUR DESIGN IS INSPIRED BY IT TO CREATE A MODERN TOTEM POLE COMBINE WITH WIND ENERGY TECHNOLOGY TOGETHER. TOTEM IS A GOOD CARRIER TO DISPLAY SOME CULTURE ELEMENTS. SUCH AS PATTERNS. SO, WE ALSO DESIGN FOUR PATTERNS OF CULTURE ELEMENTS ON ITS SURFACE. LIKE NATIVE LANGUAGE, ABORIGINAL ART AND SOME FAMOUS CULTURE ELEMENTS OF MELBOURNE. WE DON'T WANT OUR DESIGN JUST CAN PUT IN THIS SITE, THEY ALSO SHOULD CAN PUT IN OTHER SITES OF ST KILDA. SO, THESE PATTERNS ALSO CAN BE CHANGED TO FIT OTHER SITES. DIFFERENT SITES CAN DESIGN DIFFERENT THEIR OWN PATTERNS ON SURFACE OF MODERN TOTEM POLES. SUCH AS SCHOOLS OR SUPER MARKET. THAT MEANS THIS DESIGN WILL HAVE MORE POSSIBILITY AND ADAPTATION. IF MORE PEOPLE WANT TO USE THESE TOTEM POLES, WE CAN GET MORE CLEAN POWER. WE COMBINE THEM TOGETHER TO CREATE MODERN TOTEM POLE TO DISPLAY CULTURE AND PROVIDE POWER. IT ALSO HAS FUNCTION OF LIGHT TO MAKE SURE THIS SITE CAN WORK AT NIGHT. WE LEAVE OPEN SPACE AROUND THE WIND ELECTRIC GENERATOR TO MAKE SURE IT CAN WORK NO MATTER WIND COMES FROM ANY DIRECTION. HIGHT OF NEW TOTEM POLE IS 10M. ITS TURBINE USE TECHNOLOGY OF VAWT. IT HAS IS 3.5M HIGH AND HAS VERY SLOW START SPEED (2M/S) TO MAKE SURE IT CAN WORK ALMOST TIME ONE DAY. THE VAWT GET POWER FROM ROTATE OF VAWT. IT WILL PROVIDE POWER TO LIGHT FIRST, THEN RESIDUAL POWER WILL GO UNDERGROUND TO WORK FOR THE WHOLE SITE. AVERAGE POWER OF ST KILDA IS 5781 KW-H/ YEAR. SO, ALL TOTEM POLES CAN PROVIDE POWER FOR 100 FAMILIES EVERY YEAR.



CAMP



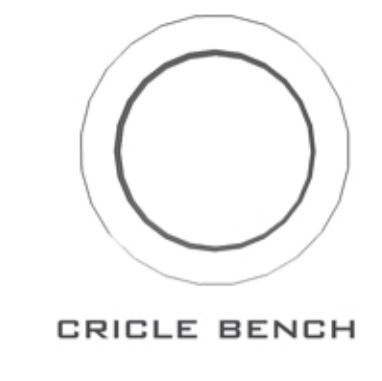
CAMPFIRE



MEETING AREA



CAMPFIRE CRICLE



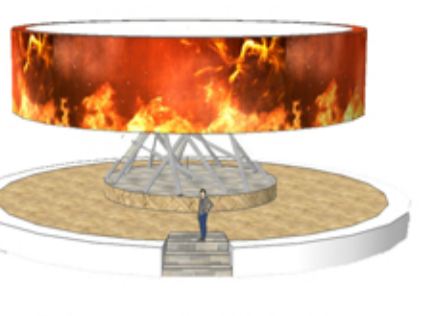
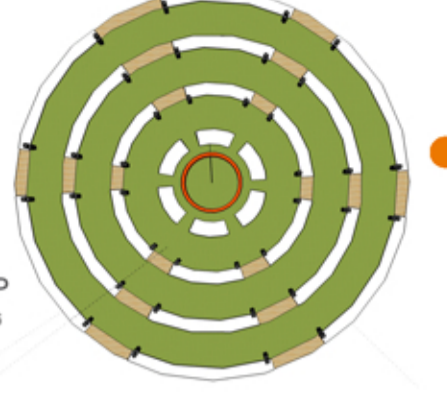
CRICLE BENCH



PUT TOTEM POLES AND CUT CRICLE BENCHES



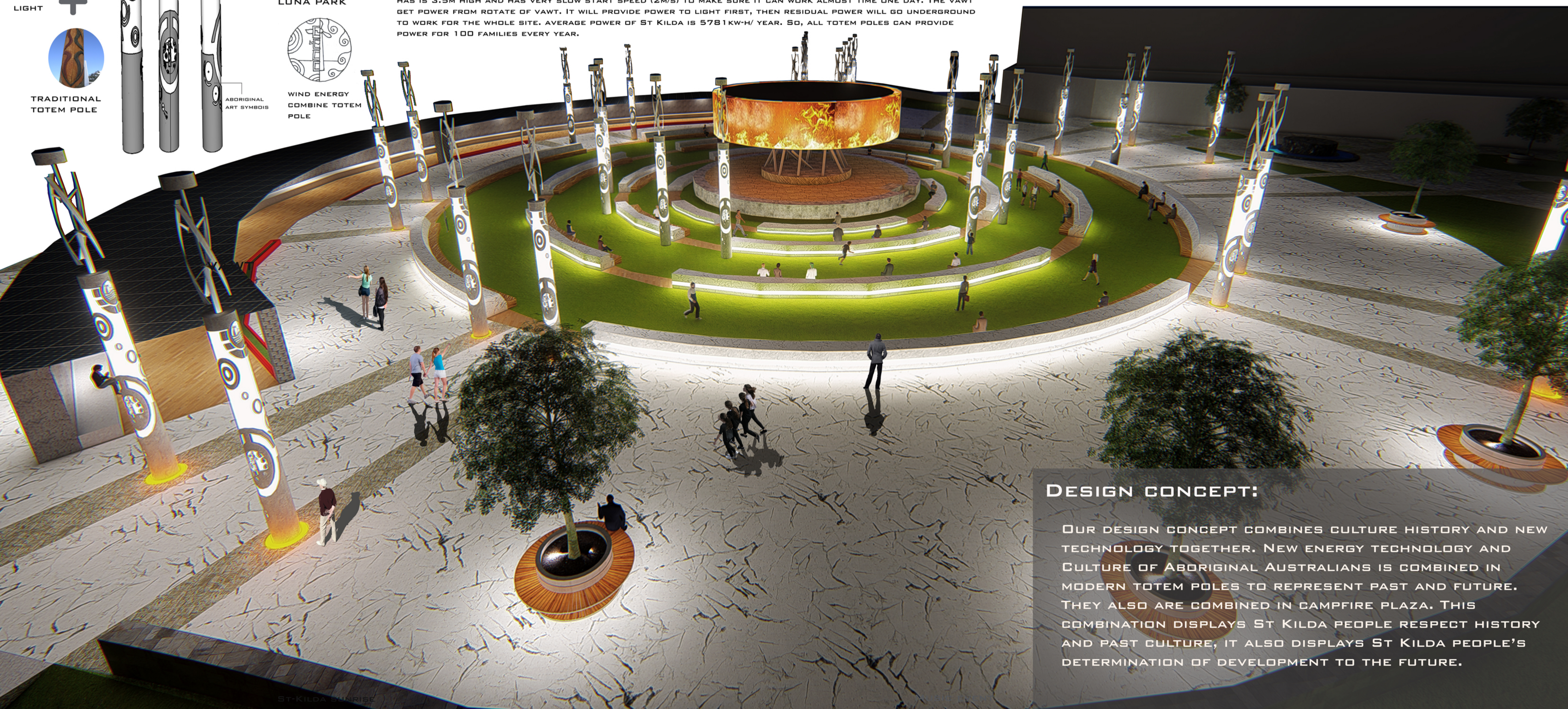
ADD CONCENTRIC CIRCLES BENCHES AND TOTEM POLES TO CREATE A CAMPFIRE CRICLE



A 360 CRICLE SCREEN IN THE CENTER TO REPLACE THE TRADITIONAL CAMPFIRE

CAMPFIRE PUBLIC PLAZA:

THIS AREA IS THE LARGEST FLAT AREA OF THE WHOLE SITE. SO, WE WANT TO MAKE THIS AREA CAN BECOME A PUBLIC SPACE FOR PEOPLES' ACTIVITIES. OUR DESIGN CONCEPT IS COMBINE OLD CULTURE AND NEW TECHNOLOGY TOGETHER. SO, WE TRY TO USE ELEMENTS OF AUSTRALIANS ABORIGINAL SYMBOLS TO GRADE OUR SITE. IN THEIR CULTURE, SYMBOLS OF CIRCLE HAVE SPECIAL MEANING FOR THEM. THESE SYMBOLS OF CIRCLE USUALLY MEAN AN AREA CAN CONNECT PEOPLE TOGETHER. SO, WE CHOOSE SOME OF THESE SYMBOLS AND USE A NEW WAY TO DISPLAY THEM.



DESIGN CONCEPT:

OUR DESIGN CONCEPT COMBINES CULTURE HISTORY AND NEW TECHNOLOGY TOGETHER. NEW ENERGY TECHNOLOGY AND CULTURE OF ABORIGINAL AUSTRALIANS IS COMBINED IN MODERN TOTEM POLES TO REPRESENT PAST AND FUTURE. THEY ALSO ARE COMBINED IN CAMPFIRE PLAZA. THIS COMBINATION DISPLAYS ST KILDA PEOPLE RESPECT HISTORY AND PAST CULTURE, IT ALSO DISPLAYS ST KILDA PEOPLE'S DETERMINATION OF DEVELOPMENT TO THE FUTURE.