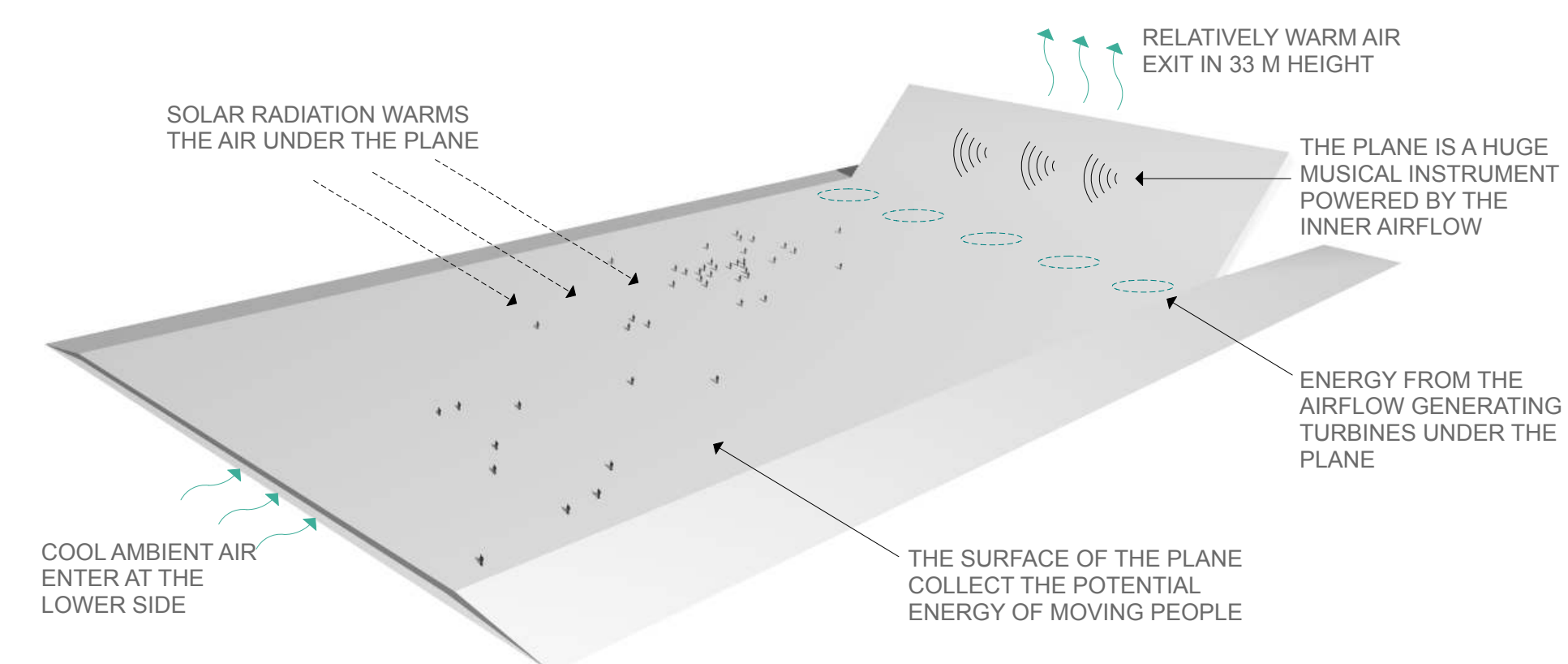
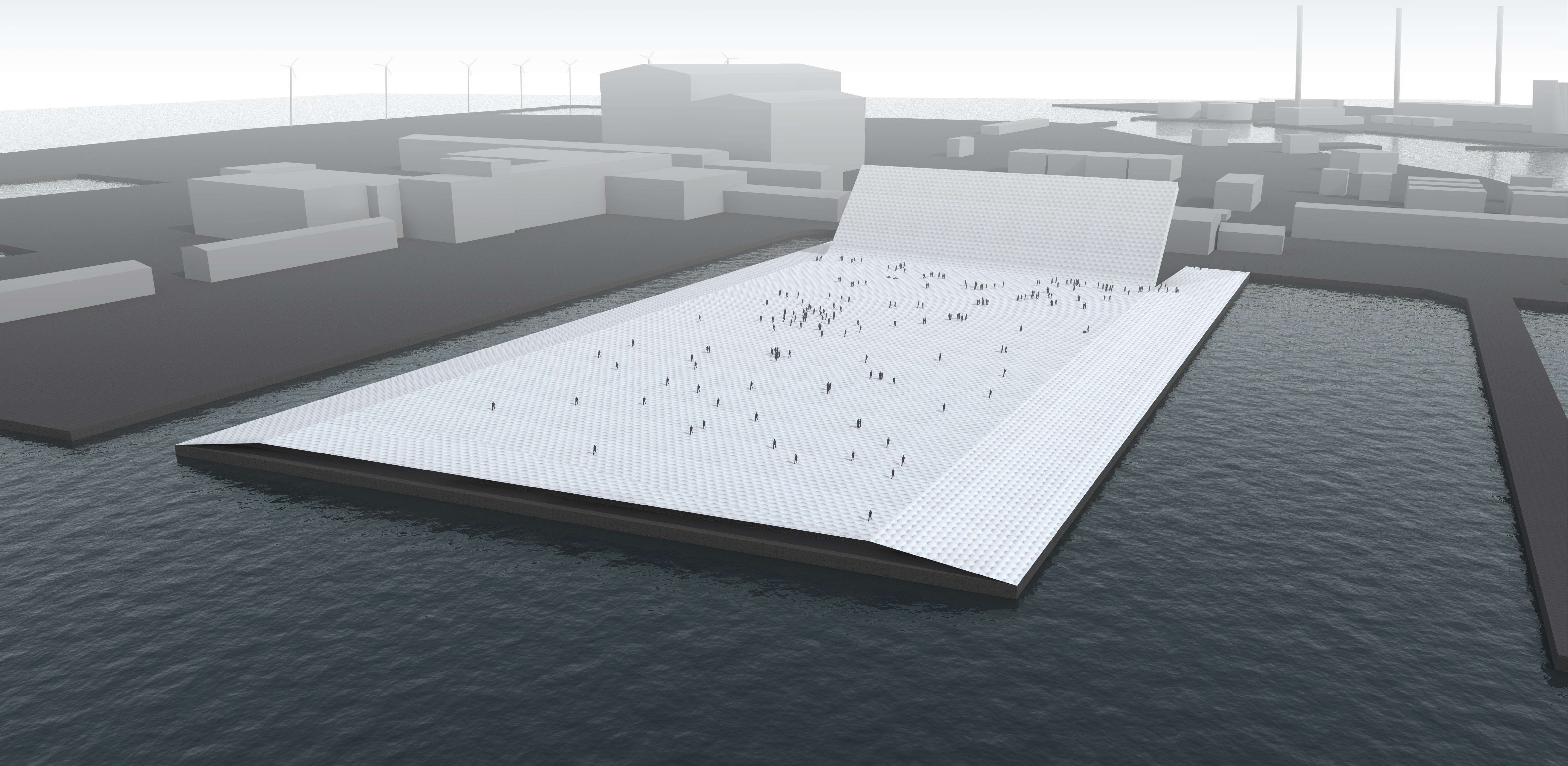


SOUND PLANE

84162203

INTERACTIVE PUBLIC SPACE GENERATING ENERGY AND MUSIC



RENEWABLE ENERGY SOURCES:

- AMBIENT AIR CONSTANTLY FLOWING IN THE NATURAL WIND TUNNEL UNDER THE PLANE
- MOVING PEOPLE ON THE SURFACE, WHO GATHER TO EXPERIENCE AND INFLUENCE THE SOUND AND ENERGY GENERATION

AMBIENT AIR TO ENERGY:

WE CREATE A NATURAL WIND TUNNEL WITH PERMANENT VARIABLE AIRFLOW BY CREATING PRESSURE AND TEMPERATURE DIFFERENCES IN THE FLAT FOLDED TUBE UNDER THE PLANE (BERNOULLI'S PRINCIPLE). COOL AMBIENT AIR IS TAKEN AT THE LOWER SIDE OF THE TUBE. IT IS NATURALLY WARMED UNDER THE PLANE BY THE SOLAR RADIATION COLLECTED THROUGH THE SURFACE AND STARTS TO FLOW UPWARDS WHERE THE PLANE IS FOLDED UP TO 33 METERS HEIGHT. SENSITIVE WIND TURBINES ARE INSTALLED IN THE NARROWEST PART OF THE TUBE WHERE THE SPEED OF THE AIRFLOW IS HIGHEST (VENTURI EFFECT). THE AIRFLOW ENERGY IS CONVERTED TO ELECTRICITY AND FED TO THE POWER GRID. THE TUBE UNDER THE PLANE CAN EASILY BECOME A HUGE MUSICAL INSTRUMENT BY DIVERTING THE AIRFLOW TO THE SOUND GENERATING DEVICE AT THE UPPER PART OF THE TUBE.

PEOPLE GENERATE ENERGY:

PEOPLE GATHER ON THE PLANE TO EXPERIENCE AND PRODUCE ENERGY AND MUSIC. THEY GENERATE ENERGY BY THEIR FOOTSTEPS ON THE SURFACE, WHERE THE MODULES WITH PIEZOELECTRIC TECHNOLOGY ARE INSTALLED. THE MORE PEOPLE GATHER, THE MORE ENERGY IS GENERATED.

THE MUSIC:

THE PLANE CAN ACT AS A HUGE MUSICAL INSTRUMENT, WHERE THE SOUND IS BEING GENERATED BY FLOWING AIR AS SIDE PRODUCT OF THE ENERGY GENERATION PROCESS IN THE NATURAL WIND TUNNEL.

• ARTISTS CAN HOLD LIVE PERFORMANCES PLAYING THE PLANE POWERED BY THE AIRFLOW AND SO ATTRACT A LOT OF PEOPLE TO PARTICIPATE IN THE ENERGY GENERATING PROCESS.

• SOUNDSCAPES AND COMPOSITIONS CAN BE PROGRAMMED AND PERFORMED VIA INTERNET BY ANYONE.

• THE INSTRUMENT CAN BECOME INTERACTIVE: PEOPLE MOVING ON THE SURFACE CAN CREATE THE REAL TIME COMPOSITIONS.

THE MUSIC IS AUDIBLE LOCALLY IN THE PUBLIC SPACE ON THE PLANE, BUT CAN BE AMPLIFIED IF NEEDED, THE SOUND LEVEL CAN BE FULLY CONTROLLED ACCORDING TO THE DAY TIME OR ANY ENVIRONMENT REQUIREMENTS