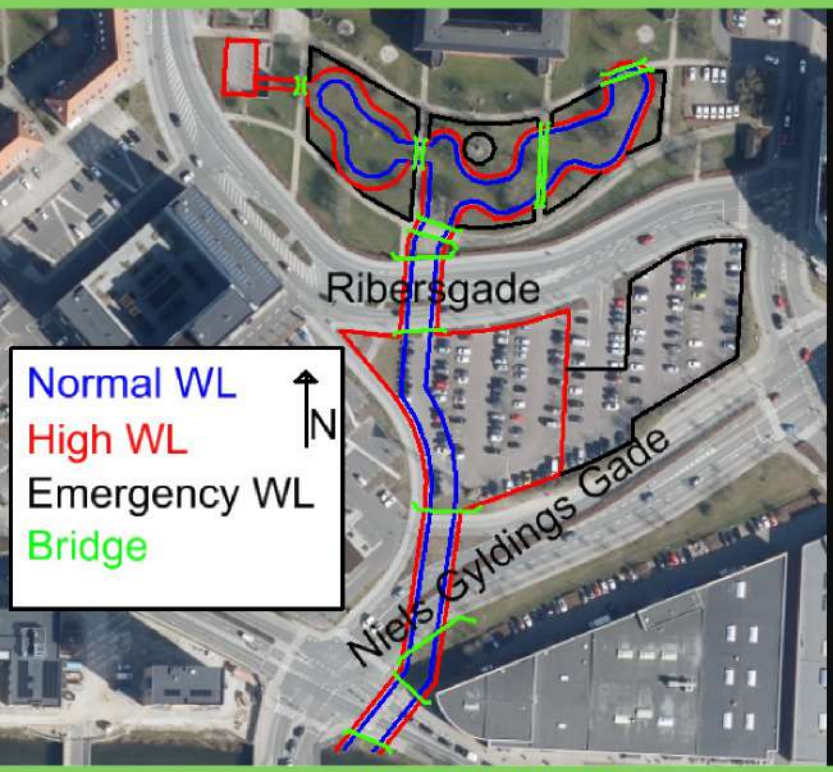
CLIMATE CHANGE ADAPTATIONS AND SOLUTIONS IN HORSENS

THE CLIMATE CHANGE IS CHANGING CLIMATE ALL OVER THE WORLD. DENMARK IS TRYING TO ADAPT TO THE CLIMATE CHANGE AS WELL AS POSSIBLE. ONE OF THE CONSEQUENCES OF CLIMATE CHANGE ENDANGERING COASTAL CITIES IN DENMARK ARE FLOODS. ONE OF THE BIGGER COASTAL CITIES WITH CHALLENGE REGARDING FLOODS IS HORSENS. HORSENS IS A LOW-LYING CITY WITH A LARGE AREA BELOW 2 METRES ABOVE THE SEA LEVEL OCCASIONALLY HIT BY FLOODINGS. RISE OF SEA LEVEL AND AN INCREASE IN PRECIPITATION WILL MAKE FLOODS MUCH MORE FREQUENT. THE GOAL OF THIS PROJECT IS TO CONSTRUCT WATER RETAINING STRUCTURE IN THE CENTRE OF HORSENS TO DECREASE THE RISK OF FLOODINGS. THE STRUCTURE IS DESIGNED TO BE FUNCTIONAL OUTSIDE OF THE FLOOD RISK PERIODS FOR THE INHABITANTS OF HORSENS. (HORSENS KOMMUNE WEBKORT)



DESCRIPTION

OUR FLOODING PREVENTING PROJECT CONSIST IN THE CREATION OF A NEW CANAL FROM THE RIVER NEXT TO OVE JENSENS ALLÉ RIVER. IT WILL START FROM UNDER THE OVE JENSENS ALLÉ STREET TO THE BASKETBALL COURSE NEXT TO HORSENS RADHUS. THIS CANAL WILL BE PLACED UNDER THE NIELS GYLDINGS GADE AND THE RIBERSGADE STREET. AND IT WILL PASS THROUGH THE HORSENS RADHUS PARK AND THE PLADS PARKING.

FIRST, BRIDGES WILL BE CREATED FOR THE STREETS ABOVE THE CANAL. IN ADDITION, THE PARKING WILL BE MODIFIED, IT WILL GET A SLOPE FROM THE SOUTH TO THE NORTH. SO, IF THERE IS A FLOODING IT WILL BE CLOSED AND THE WATER CAN TEMPORARILY SINK IN IT WITHOUT BLOCKING THE ENTRANCE. THEN IN THE HORSENS RADHUS PARK, SOME "POOL" WILL BE CREATED. IN THESE ONES, THERE WILL BE PLAYGROUNDS FOR CHILDREN, BENCHES AND TABLE AND SOME FACILITIES LIKE THESE FOR THE POPULATION. BUT, WHEN A FLOODING WILL OCCUR, THE POOL WILL SINK AND ALL THESE EQUIPMENT WILL BE UNDER WATER. FINALLY, THE BASKETBALL COURSE LEVEL WILL BE LOWERED IN ORDER TO CREATE THE LAST FLOODING PREVENTING AREA. LIKE THE PREVIOUS POOL IN THE PARK, IF THE FLOODING IS REALLY IMPORTANT THEN THE WATER WILL SINK IN THE COURSE.

SO, WITH OUR PROJECT, IF A FLOODING OCCURS, PREVENTING POOLS WILL SINK THE WATER IN THREE STEPS. FIRST THE PARKING, THEN THE PLAYGROUND AND FINALLY THE BASKETBALL COURSE. ALL OF THIS REPRESENT AN AREA OF AROUND 8500 M². SO, IF EVERY AREA CAN SUSTAIN 0.5 M OF WATER, IT REPRESENTS 4250 M³ IN TOTAL.

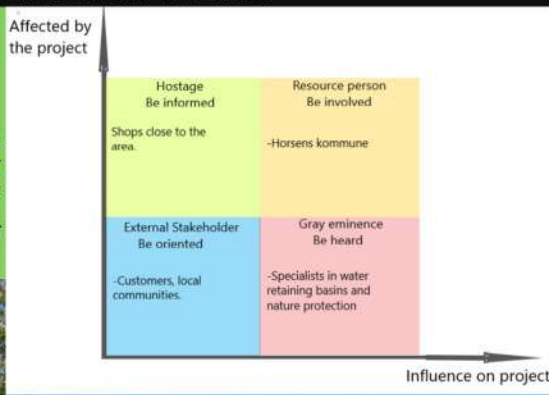
INTERVIEWS QUESTIONS

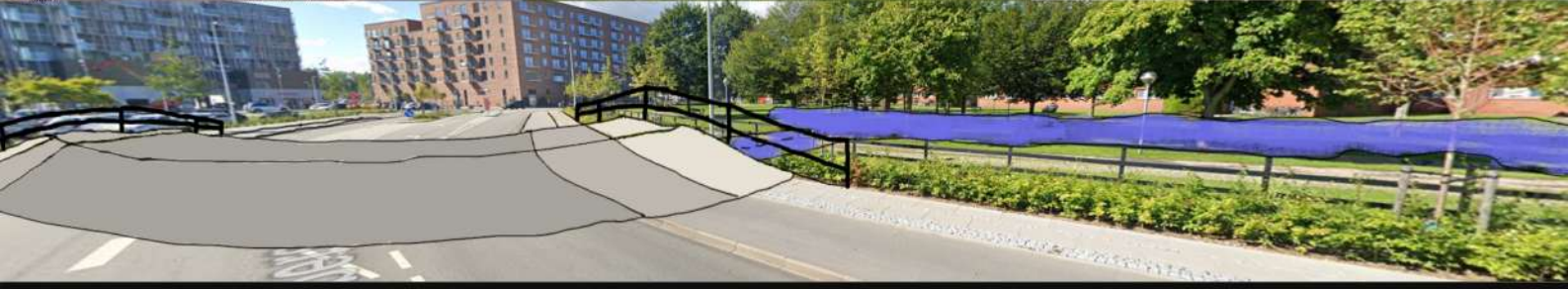
IT IS PLANNED TO INTERVIEW THE STAKEHOLDERS BEFORE THE START OF THE CONSTRUCTION TO GAIN KNOWLEDGE ABOUT THE DIFFERENT PROBLEMS AND CHALLENGES THAT MAY INTERFERE.

STAKEHOLDER ANALYSIS

BEFORE THE CONSTRUCTION STARTS AN ANALYSIS OF THE CUSTOMERS, LOCAL COMMUNITIES AND THE STAKEHOLDERS INVOLVED WITH A HELP OF A QUESTIONNAIRE(SURVEY) WILL TAKE PLACE TO FIND OUT MORE ABOUT THE PEOPLE AFFECTED. TOGETHER WITH THE QUESTIONNAIRE A VISIT TO THE AFFECTED NEIGHBORS WILL BE DONE.

FURTHERMORE, ARTICLES AND MEDIA WILL BE USED TO ANNOUNCE THE DIFFERENT CHANGES THAT WILL OCCUR.





CLIMATE CHALLENGES MUST BECOME OUR PRIORITY

FUTURE DEPENDS ON IT!