Climate changes are becoming more visible in the weather and natural disasters in the world. The war in the middle east and North Africa made use realize again how dependable we are from countries with oil reserves. These factors created the need to change our ways how we live and use

The United Nations organization has various institutions which pursue different agenda's and goals, institutions like the World Food Program and the Security Council. In order to pursue the agenda of the United Nations in the field of climate changes the UN has founded an extra Council. This council is named the United Nations Environmental Council (UNEC). De main goal of this council is a sustainable world, this is a world in which the energy and waste problems are fixed and the biodiversity is secured.

The UNEC organization needs a building which enhances the goals of the council. In this light the building needs to be at least self sufficient in its energy use. The facilities in the building can inform people about the newest sustainable technologies, this can be done by the library and the exposition space. The building itself can stimulate builders and architects to choose

important for a better world in the future, the hard reality of the present world with the worldwide tension and fear for terrorist attacks ensures the need for a high level of security. Design development In an early stage of the design, we made

for more sustainable solutions.

Although the goals of the UNEC are

Headquarters Conference Building.

River side in Manhattan, New York. The

project area is in the same area as the

building is part of a new urban plan for

existing United Nations Headquarters. The

the east waterfront. In this new urban plan

piers are (re)introduced to the east side of

Another important change in the urban

masterplan is the displacement of the

Frank D Roosevelt drive(FDR drive), this is

a highway with some parts of it under the

United Nations building. The places were

area is a major security treat. When these

UN building the FDR drive is closed, this

creates major traffic problems.

the highway is crossing the United Nations

days an international meeting is held in the

Manhattan, these piers a common sight in

Urban plan description

New York.

In order to solve these problems the Frank D Roosevelt(FDR drive) will be moved off some concept drawing about the façade the waterfront to a tunnel in the east river, and the entrance hall. These drawing were on top of the tunnel a park will be created. important in the process because they This park is on safe distance of the UN started the (design)thoughts about the buildings, and it is impossible to enter the façade and entrance hall much sooner then UN compound from the park. in other projects. **Building description** The function of the building; a conference The character of the spaces in the program

building was new for typology of building of requirement van be divide in to two for me. The high amount of people which main typologies, office space and meeting would be walking through the building is space. The office space is only accessible by also fact to be taken in account. In order people which work in UN organization or if to find solutions for various problems in they are a representative of a country. The the building I analysed the United Nations meeting space are more public and can be subdivided in into three zones. The public zone, the conference zone and the council The location of the project is on the East As stated before the level of security is very

> the building needs to pass the security check. In the building there are tree different security zones. The most public zone is close to the entrance. This area accessible for everyone, visitors can gather information in the library, read books, access a computer or study in the quiet reading rooms and drink coffee in at the coffee corner. The pier introduced in the east river is accessible from the public zone, this pier is a place were people can relax in the sun or admire the sculpture garden.

high in the building, everyone to entering

The conference zone is only accessible with an entry card which can be obtained in the public zone at the card distribution desk. The conference zone is the area were press conferences van be held, or presentations

THE HAGUE

for/from businessmen or scientist. These presentation take place in the various auditoriums in the building. The important aspect of the design should be the traffic areas around the auditorium, these spaces are not just traffic areas, these are the places were people can lounge and talk in comfortable chairs and couches. These areas can be classified as informal meeting

rooms, these

The council room the most important space in the building, this is were all the official decisions are made, it is from the utmost importance that the decisions-makers are comfortable. This level of comfort can be obtained by the functions and facilities around the council room. For instance the council members should be able to get some fresh coffee in the short brakes between meetings and they should be able to drink that coffee in a comfortable chair.

The areas and rooms were council members and congressmen are residing when they are between meetings are of great importance, these areas, the "informal spaces" area spaced were decisions and agreements can be realised outside of the Section new urban plan camera's. In this design these spaces are an important feature, the space are located on

The tower is an example for high buildings in the future. The tower is a combination of an office building with a natural ventilation energy concept, the tower will be very slim. The energy concept will use the chimney effect to refresh the air in the offices in the

tower. The chimney effect occurs when air in small gets warmer. The warm air will rise thereby creating airflow and pressure. This together with the heat pump which uses the east river to cool or heat the building, results in a building which uses no

In the winter situation the fresh (cold) air from the outside will be heated by the water from the water pump

before it enters the office. The emergency staircases, elevators and technical rooms will be located on the south side of the building, together with the energy concept and pv-cells on the south façade will create a utility zone. This will create an utility zone at the south side of the tower slab, thereby enabling a totally open floor plan on the north side. This open floor plan ensures

because the north facade is full of



1st avenue & FDR drive

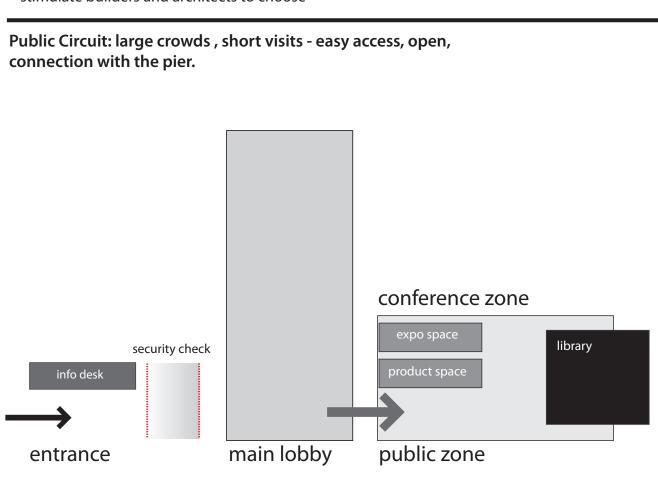
New urban plan

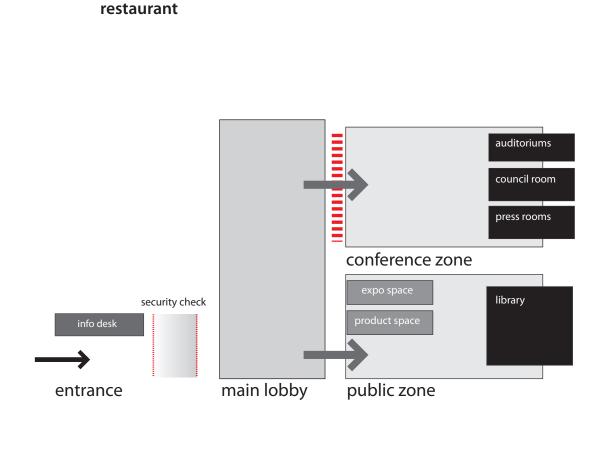
Dag Hammerskjold plaza



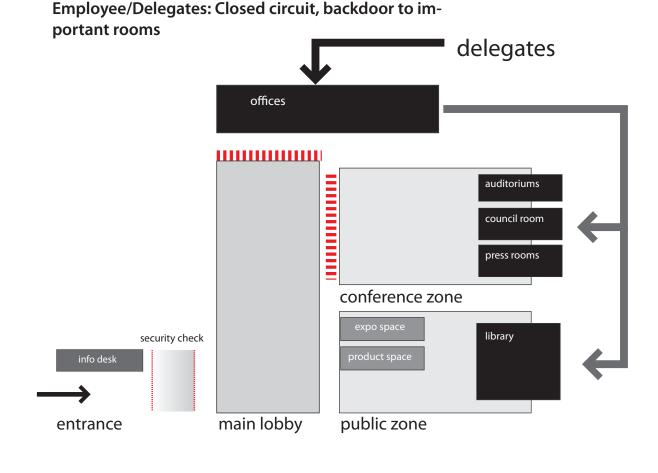


**FDR** drive maximal flexibility in use of the tower. The office will be full of natural light





Conference Circuit: Large crowds, long visits, closed,



press area

