By making a cantilever the building looks more Casimir A. Slui

Ambitions

The new building for the United Nations Environmental Council should be an icon of sustainability. It should be clear for common people that a green building with a cer-

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SADD — United Nations Environmental Council Headquarters

Graduation Presentation

1:200 West Facade Elevation
1:400 Ground Floor situated in the UN Park,
Longitudinal Section with program distribution

Impression UNEC Headquarters South-East
Impression UNEC Headquarters North-East
Impression UNEC Headquarters Cantilevered structure
Impression UNEC Headquarters South-East

Program distribution
- Circulation
- Exhibition
- Horeca
- Knowledge
- Offices
- Propagation
- Workshops
The climate installation of this building consists of three types of installations. A variable air ventilation (VAV) for most of the functions that need a lot input and output of fresh and old air. The second installation is a fan coil unit at for example the office floor where the unit can get fresh air from the outside of the façade to prevent a lot of windings of HVAC ducts. The third installation is the way the auditoriums are ventilated, cooled and heated. This is done by a ZAC system. A chair ventilation system that gives the users a faster feeling of hot or cold instead of cooling the entire volume of the conference hall for example.

The installations for this building are very complex because every large auditorium should have its own installation to regulate its own needs. This will be situated in the extended parking garage underneath the park. The conference hall has an extra installation for extracting the hot air on the roof floor. Floors have sprinklers in case of fire.
The structure of the building consists of a concrete structure that is strong and massive on the ground floor and on the upper floors, the large span of floors is continued to provide a maximum of free adaptable floor space within the building grid. In the heart of the building where the conference hall is the largest function, the structure rejuvenates into a slightly slimmer structure made of steel profiles. The roof structure of the conference hall is designed in shape to go with the acoustic panels and also carries a part of the tribune. The structure is visible from the fourth floor, and the visitors will also experience the structure while they enter the conference hall from this floor, by walking in between the steel 3D truss structure in the middle of the conference hall.