



ARCHITECTURAL ENGINEER/ DESIGNER

LIGHTING DESIGNER



MAY - TWENTYTWENTY

ARCHITECTURE

ART INSTALLATIONS

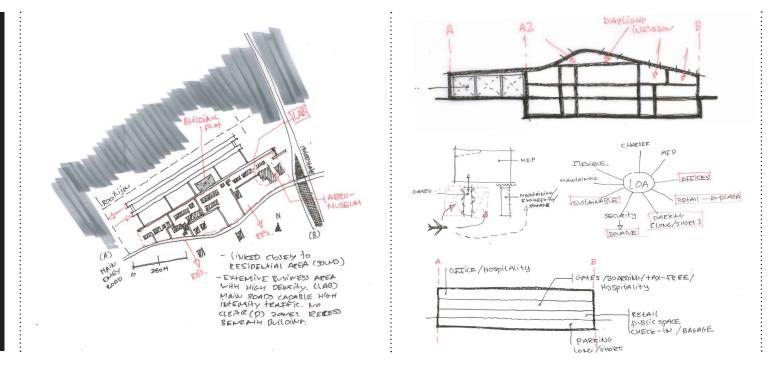
LIGHTING DESIGN

1

OTHER PROJECTS

TYPE: ARCHITECTURE | EDU PROJECT: LELYSTAD OMALA AIRPORT LOCATION: LELYSTAD, NETHERLANDS YEAR: 2011 CLIENT: SCHIPHOL GROUP / ROC

Due to high capacity problems at Schiphol Amsterdam Airport, the Schiphol Group and the govermant made plans to refer a large proportion of visitors to Eindhoven Airport and Lelystad Airport. A direct consequence of this shift would be less density at Schiphol Airport, which would make it possible to reserve Schiphol as a main hub for intercontinental flights. Lelystad Airport would become a overflow airport for Schiphol. In the first years the number of flights at Lelystad airport will gradually expand to a maximum of 10.000 flight movements per year. That is a average of 27 take-offs and landings per day. The expansion of Schiphol Group and Lelystad Airport should infuse the region with an economic boost. The revised airport should attract companies, create employment and solidify the business climate. Additionaly the Lelystad Airport Business Park will form the region for a multi purpose enviroment.



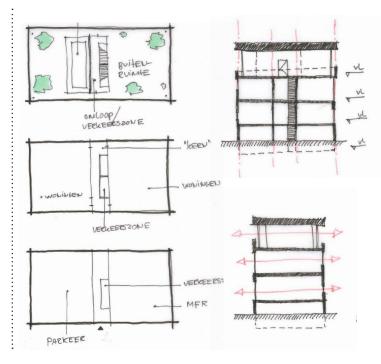


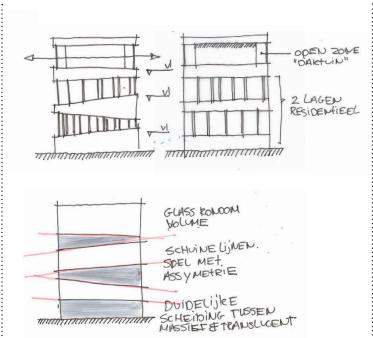
TYPE: ARCHITECTURE | EDU PROJECT: KUBUS 140 YEAR: 2013 CLIENT: UNIVERSITY OF APPLIED SCIENCES AMSTERDAM

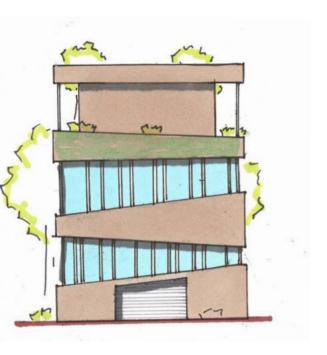
Exclusive residential gated building block in which community and experience are the central core for the volume.

The mass is devided in 4 storeys with different functions integrated. The ground floor establishes a partly recessed parking garage for the residents as well a storage. Also there is made space for a multi-purpose room and a welness. The 2 storeys above are spacious homes devided in 3 clear typologies.

A green roof garden is present on the top storey at which the residents can enjoy the wather and a 360 degree views. This focuses on the social aspect as well the interaction between the user and the building.





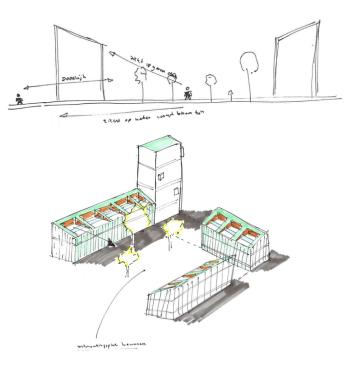


TYPE: ARCHITECTURE | COMPETITION PROJECT: HET GROENE AMSTELKWARTIER LOCATION: AMSTERDAM, NETHERLANDS YEAR: 2014 CLIENT: UNIVERSITY OF APPLIED SCIENCES AMSTERDAM

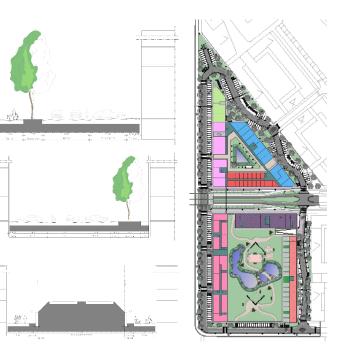
The Green Amstelkwartier is a poject near the Amstel river. The goal was to achieve an integrated project with an eye on architecture, urbanism, water management, infrastructure and overall quality of life.

The scope was to design an energy-neutral project in collaboration with several sustainable concepts such as green roofs, green walls, water re-use, heat / cold storage, etc. the goal was that we didn't want to generate energy, but we wanted to save energy and minimalize costs.

This project was also assessed by an external jury of architects and urban planners, and subsequently won a competition in which more than 36 groups of 8 people each participated.







TYPE: ARCHITECTURE | EDU PROJECT: HYPER EARTHSHIP LOCATION: AMSTERDAM, NETHERLANDS YEAR: 2015 CLIENT: UNIVERSITY OF APPLIED SCIENCES AMSTERDAM

In the current climate in which we see that we as humanity make a major contribution to the abundance of waste in the construction sector, and are responsible for a fairly large carbon footprint on the earth, this project focussed on the creation of a building / pavilion made of 'waste'.

6

An earthship is a completely self-sufficient house, made from natural and recycled materials. An earthship provides the basic living needs: water,food, heat, clean energy and sanitation. And has no environmental impact on the direct region. As well for the construction and use.

A mock-up was created designing a concept with 'waste', constructing a sandwichpanel out of materials you can find at dumps or the sidewalk.



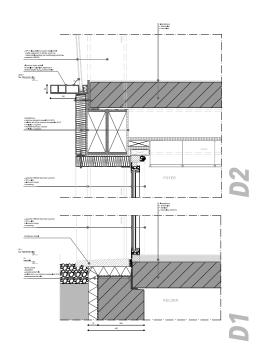


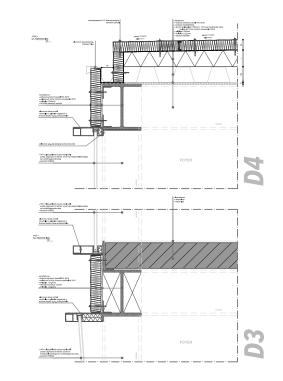
TYPE: ARCHITECTURE | EDU PROJECT: IFD HOTEL LOCATION: AMSTERDAM, NETHERLANDS YEAR: 2015 CLIENT: UNIVERSITY OF APPLIED SCIENCES AMSTERDAM

With a strong focus on flexibility, research has been conducted to find a way into how a hotel can be built in the most modular way possible. One of the key points is that at least 70%-80% has to be set-up pre-fabricated in the factory.

The hotel has to be flexible, modular and demolision waste should be reduced to a minimum.

The building will not be 'built' on site, but assembled, seeing as most of the rooms and units will be pre-fabricated in the factory. This also results in a matter of modularity, adding and reducing spaces as you please. Additionally in the instance that the building won't be used anymore in the future, you can de-assemble the building and use the modulare units in a next building.



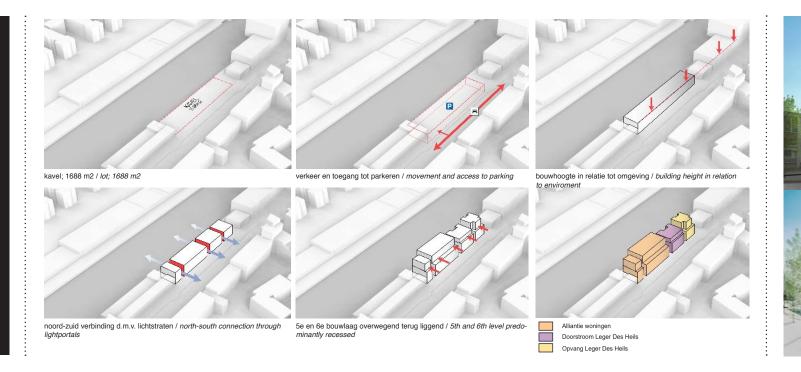




TYPE: ARCHITECTURE | PRACTICE PROJECT: ZEEBURGERDIJK 209-265 LOCATION: AMSTERDAM, NETHERLANDS YEAR: 2015-2016 CLIENT: VORM ONTWIKKELING BV

What owners VORM, Leger des Heils and De Alliantie asked is for the existing buildings to be demolished so that the programme in this area can be intensified. It has also been stated that the creation of own parking facilities at the plot should be part of the development.

The programme for the section Zeeburgerdijk 209 to 211 inclusive – owned by VORM – consists of 68 apartments. The design includes a number of different housing categories. All the apartments on the side overlooking the water will have a generous outside space. The programme for the section Zeeburgerdijk 215 to 265 inclusive – owned by De Alliantie and Leger Des Heils – consists of 50 reception accommodation units and 25 serviced apartments for Leger des Heils and 35 apartments for De Alliantie.





As a final assignment for my education at the University of Amsterdam, I did a feasibility study for the Amstelveenseweg. The assignment was reconstructing en refitting a building to a new function. I had chosen the Havenstraat Complex on the Amstelveenseweg in Amsterdam. This was formerly a prison that was used in 2016 as a shelter for refugees. This cluster of Amsterdam is knows for a high density of expats, so the educational system in this part of Amsterdam does prefer international schools for their children.



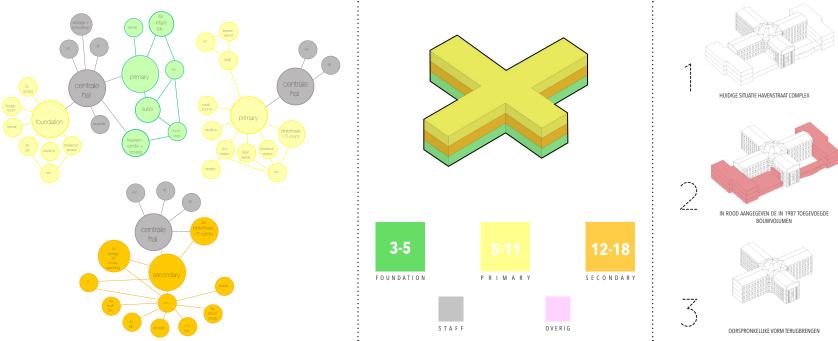


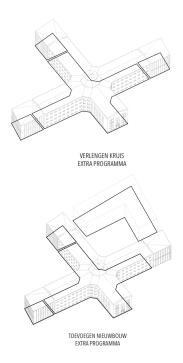
De zuidgevel van het gebouw is toevallig ook het meest open gevel van het complex, dit is voordelig want hiertoor hebben we voldoende toetreding aan de zuidzijde



As a final assignment for my education at the University of Amsterdam, I did a feasibility study for the Amstelveenseweg. The assignment was reconstructing en refitting a building to a new function. I had chosen the Havenstraat Complex on the Amstelveenseweg in Amsterdam. This was formerly a prison that was used in 2016 as a shelter for refugees. This cluster of Amsterdam is knows for a high density of expats, so the educational system in this part of Amsterdam does prefer international schools for their children.

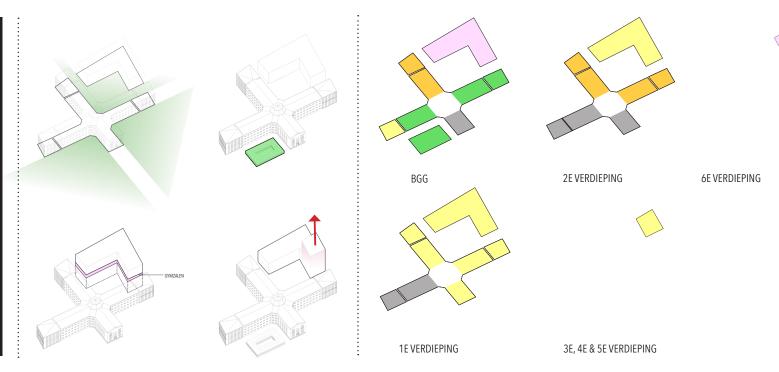
10

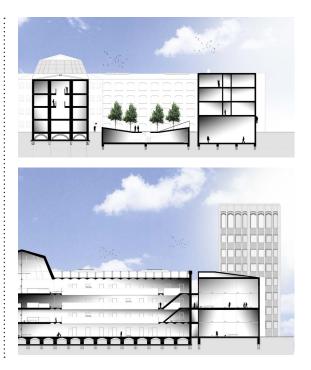




As a final assignment for my education at the University of Amsterdam, I did a feasibility study for the Amstelveenseweg. The assignment was reconstructing en refitting a building to a new function. I had chosen the Havenstraat Complex on the Amstelveenseweg in Amsterdam. This was formerly a prison that was used in 2016 as a shelter for refugees. This cluster of Amsterdam is knows for a high density of expats, so the educational system in this part of Amsterdam does prefer international schools for their children.

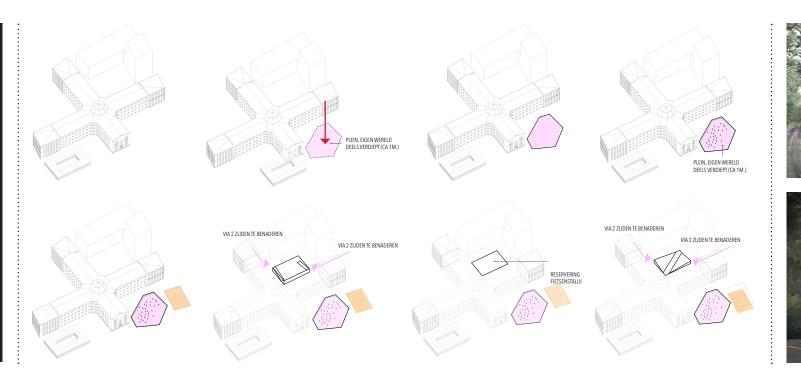
11





As a final assignment for my education at the University of Amsterdam, I did a feasibility study for the Amstelveenseweg. The assignment was reconstructing en refitting a building to a new function. I had chosen the Havenstraat Complex on the Amstelveenseweg in Amsterdam. This was formerly a prison that was used in 2016 as a shelter for refugees. This cluster of Amsterdam is knows for a high density of expats, so the educational system in this part of Amsterdam does prefer international schools for their children.

12







TYPE: ART INSTALLATION PROJECT: CLOUD LOCATION: AMSTERDAM, NETHERLANDS YEAR: 2016 CLIENT: UNIVERSITY OF APPLIED SCIENCES AMSTERDAM

Commissioned by the art faculty at the University of Applied Sciences Amsterdam. The assignment was to make an interactive, non ubtrusive but still very present art installation.

13

The idea was to give it a centre spot at the square paralel to the Rijksmuseum. Creating a chrome globe slightly elevated above the water, making it seem weightless.

The chrome effect toys with the changing weather dynamics in Amsterdam, as well as the day and night cycle but also refracting the reflections of the water. Making it a different experience throughout the day.





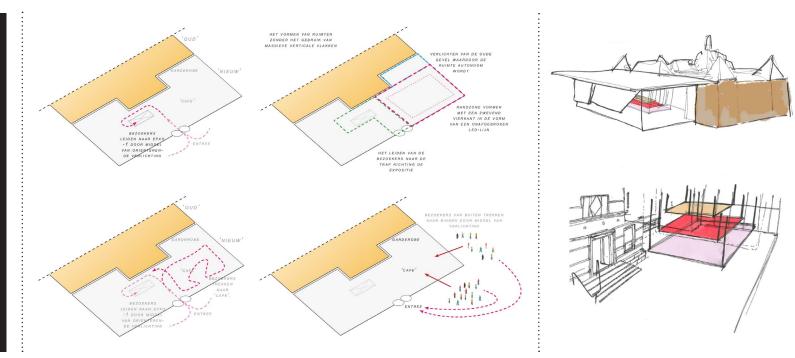


TYPE: LIGHTING DESIGN PROJECT: STEDELIJK MUSEUM AMSTERDAM LOCATION: AMSTERDAM, NETHERLANDS YEAR: 2017 CLIENT: SMA

The Stedelijk Museum Amsterdam planned to revised a part of the museum. Zumtobel Group was commisioned to deliver the luminaires for the new gallery called Stedelijk Base which opened in 2018.

Adittionally a preliminary design was made for the entrance and the of the museum. A routing concept was developed to guide visitors of the museum to the new Stedelijk Base and a more integrated and dynamic feel to the lighting to boost up the ambiance.

As a landmark a lightingplan was made to expose the museum to the visitors of Museumplein.



14



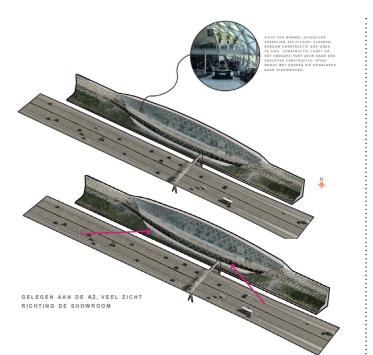
TYPE: LIGHTING DESIGN PROJECT: LEC LOCATION: UTRECHT, NETHERLANDS YEAR: 2017 CLIENT: LOUWMANS EXCLUSIVE CARS

For one of the most exclusive car dealers in the Netherlands a concept was developed for the showroom interior aswell the exterior.

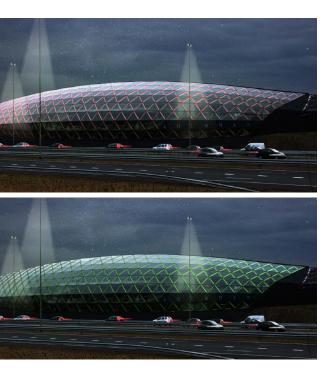
15

The current lighting solution for the showroom is primarily based on fixed recessed downlights. The challenge with a fixed solution in an enviroment like a showroom is that you cannot organize in a flexible way, you remain bound to the fixtures. This design suggested a way to replace the fixed positions with a flexible modular system.

For the exterior, the focus was on the skeleton of the building. The white frame of the building requires more visibility, especially in a evening. With small narrow beam luminaires mouted on the joints of the construction, a dynamic play of diagonals gets created.







TYPE: LIGHTING DESIGN PROJECT: GALLERY AALDERING LOCATION: BRUMMEN, NETHERLANDS YEAR: 2017 CLIENT: GALLERY AALDERING

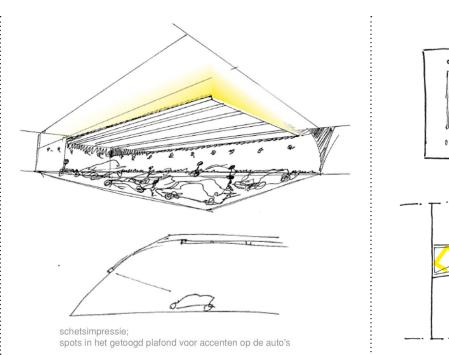
Gallary Aaldering is a family owned company since 1975. Since 1987 the showroom is based in Brummen.

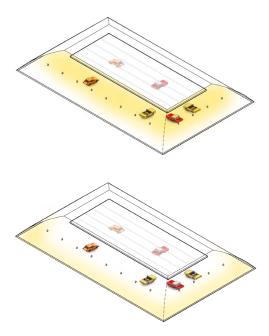
The Gallary is a showroom for exquisite classic automobiles.

16

A lighting concept was developed with a integrated lighting solution, partly depending on indirect lighting for a luxurious ambiance.

in the arch of the roof, integrated adjustable spots will be recessed so the cars can be lit individually.





SLOTLIGHT

PANOS

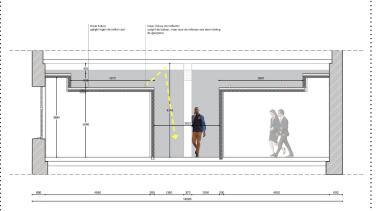
A

TYPE: LIGHTING DESIGN PROJECT: ARSENAAL DELFT LOCATION: DELFT, NETHERLANDS YEAR: 2018 CLIENT: CEPEZED ARCHITECTS

17

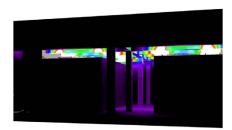
The Arsenal has a striking location along the canals Oude Delft and Lange Geer, which meet exactly at the head of the complex. The white building is the oldest and dates from 1602. This is being redeveloped into a restaurant with a large, floating terrace and on the first floor a congress and hall center. The second building is from 1692. On the ground floor there is an exhibition space plus shop; a hotel is located on the first and second floor. Next to the building from 1692 is a former warehouse of the VOC (1653).

At the first and second floor, the original wood construction will remane vissible. A requirement was set bij Cepezed that the luminaires may not be vissible. So for the entire plan, the only use of lighting is indirect. The indirect lighting compliments the construction, and raises the height of the space, creating multiple layers of light.





lichtrender



rendering onjuiste kleuren; voldoende verlichting in het gangpad, houten balken worden geaacentueerd.



TYPE: LIGHTING DESIGN PROJECT: NOVOTEL LOCATION: AMSTERDAM, NETHERLANDS YEAR: 2018 CLIENT: NOVOTEL

For the hotel chain Novotel, a design was made for their location next to Amsterdam Rai.

The assignment was to redo and reviving the restaurant and bar area for the hotel, since the original plan was quite cluttered, cold and intense.

The idea was for a more warm, high contrasted and more inviting plan.

Placing pendant luminaires with a small beam above the tables create a high contrast effect.

Small spots are placed above the bar, as well a rgb linear integrated in the bar for a more invting look.







TYPE: LIGHTING DESIGN PROJECT: DISCLOSED LOCATION: AMSTERDAM, NETHERLANDS YEAR: 2019 CLIENT: DISCLOSED

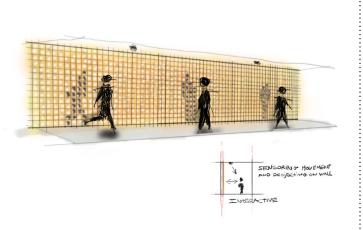
For a disclosed client we recieved an assignment regarding a very long and quite basic hallway.

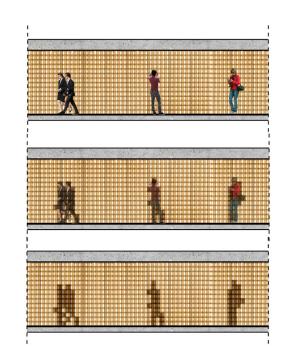
19

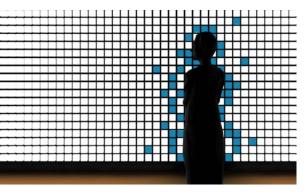
We developed a concept which visualizes an innovative environment, focussed on human interaction and keeps the hallway dynamic.

The idea was to integrate a digidot wall and a cluster of sensor and camera's which registers different people in the hallway. The system translates human movement on to the digidot wall which keeps changing the environment people are walking in.

The wall registers clearence levels, air quality, room activity and translates this in a visual story.









TYPE: LIGHTING DESIGN PROJECT: MUTLI-TRAFFIC POINT LOCATION: HOORN, NETHERLANDS YEAR: 2019 CLIENT: KNEVEL ARCHITECTEN

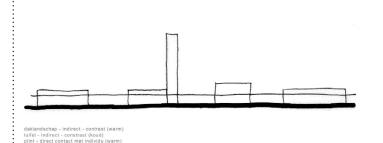
Knevel Architecten designed a Multi-Traffic Point, a food and automotive court. The complex exists of different (drive-in) restaurants, a gas station and a carwash.

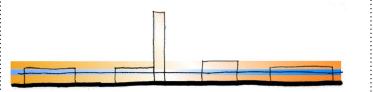
20

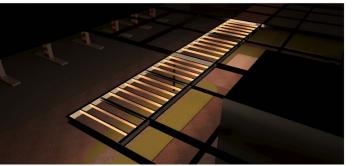
The plan exists of a clear infrastructure, green public space, terraces and buildings. An integrated design is achieved by a canopy, covering the buildings and public space, and uniform facades.

A lighting plan was developed for the whole envelope, making a clear seperation for the plinth, the canopy and the highrise.

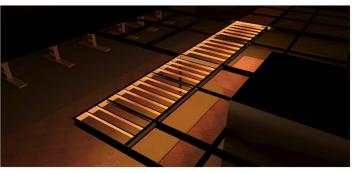
Aditionally, the parking places and the drive-ins were also lit using a combination of pole mounted luminaires and surface mounted luminaires on the canopy.

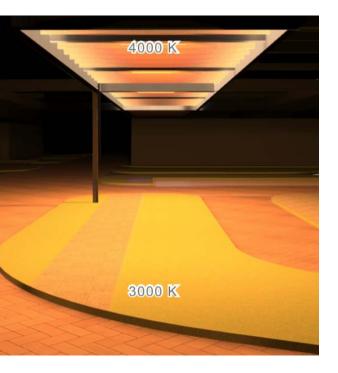






luifelverlichting zorgt tot bepaalde hoogte ook voor algemene verlichting in 4000k. Om hier een duidelijk contrast mee te maken is er gekozen voor een lage output in lumen, hierdoor kan de algemene verlichting dominant blijven in 3000k.





TYPE: LIGHTING DESIGN PROJECT: MUTLI-TRAFFIC POINT LOCATION: HOORN, NETHERLANDS YEAR: 2019 CLIENT: KNEVEL ARCHITECTEN

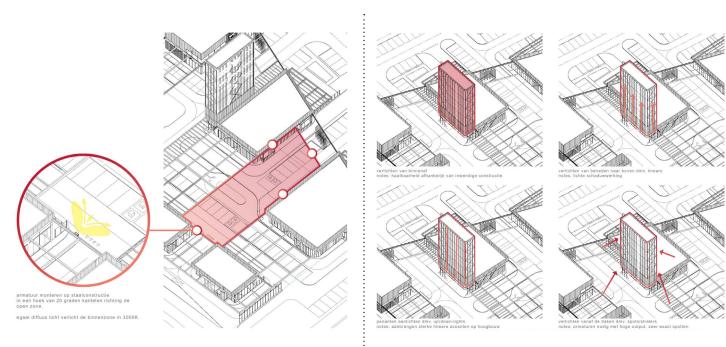
Knevel Architecten designed a Multi-Traffic Point, a food and automotive court. The complex exists of different (drive-in) restaurants, a gas station and a carwash.

21

The plan exists of a clear infrastructure, green public space, terraces and buildings. An integrated design is achieved by a canopy, covering the buildings and public space, and uniform facades.

A lighting plan was developed for the whole envelope, making a clear seperation for the plinth, the canopy and the highrise.

Aditionally, the parking places and the drive-ins were also lit using a combination of pole mounted luminaires and surface mounted luminaires on the canopy.





TYPE: LIGHTING DESIGN PROJECT: MUTLI-TRAFFIC POINT LOCATION: HOORN, NETHERLANDS YEAR: 2019 CLIENT: KNEVEL ARCHITECTEN

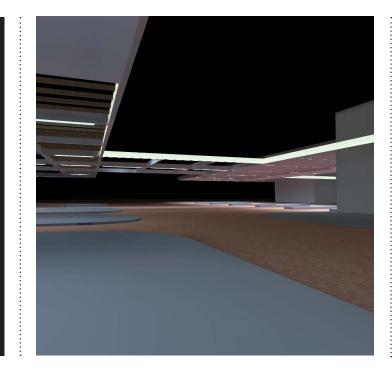
Knevel Architecten designed a Multi-Traffic Point, a food and automotive court. The complex exists of different (drive-in) restaurants, a gas station and a carwash.

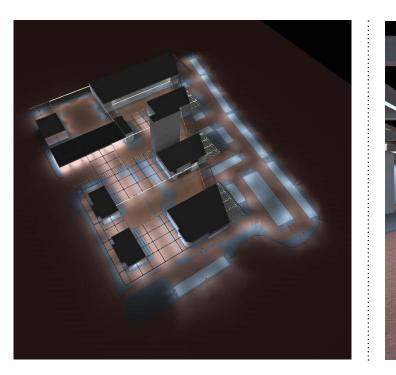
22

The plan exists of a clear infrastructure, green public space, terraces and buildings. An integrated design is achieved by a canopy, covering the buildings and public space, and uniform facades.

A lighting plan was developed for the whole envelope, making a clear seperation for the plinth, the canopy and the highrise.

Aditionally, the parking places and the drive-ins were also lit using a combination of pole mounted luminaires and surface mounted luminaires on the canopy.







TYPE: ARCHITECTURE PROJECT: VILLA II LOCATION: ALMERE, NETHERLANDS YEAR: 2019 CLIENT: DISCLOSED

For a disclosed client and initial design was designed for a large piece of land in Almere.

23

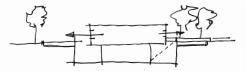
The municipality of Almere endorses residents of the city to build and design their own house on a plot of their choice.

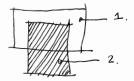
A very unique aspect of the building is that a portion of the house is recessed underneath the ground level. In consists of a garage, a storage with installations and a small welness.

The ground floor consist of a large master bedroom with a private bathroom and closet. The living room has views directed to the east, south and west and is attatched to a large kitchen.











TYPE: ARCHITECTURE PROJECT: VILLA II LOCATION: ALMERE, NETHERLANDS YEAR: 2019 CLIENT: DISCLOSED

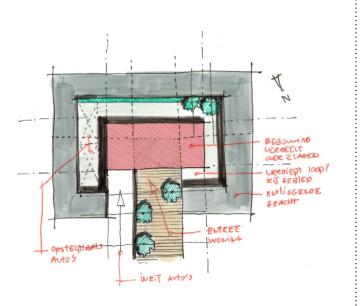
For a disclosed client and initial design was designed for a large piece of land in Almere.

The municipality of Almere endorses residents of the city to build and design their own house on a plot of their choice.

24

A very unique aspect of the building is that a portion of the house is recessed underneath the ground level. In consists of a garage, a storage with installations and a small welness.

The ground floor consist of a large master bedroom with a private bathroom and closet. The living room has views directed to the east, south and west and is attatched to a large kitchen.





TYPE: LIGHTING DESIGN PROJECT: DE ENTREE LOCATION: HAARLEM, THE NETHERLANDS YEAR: 2017-2020 CLIENT: HEREN 5

De Entree is a new neighborhood with a spacious layout, which is realized between Schipholweg and Boerhaavelaan in the southeast of Haarlem. In total, the district will soon have about 800 homes; blocks W3 and W4 account for 188 rental homes.

The rental properties of block W3 consist of 25 single-family homes and 62 apartments. Block W4 consists of 24 singlefamily homes and 77 apartments. A total of 45 apartments are intended for social rent and the other 143 are medium and expensive rental homes in the private sector.

The Lighting Design for this project is divided in 3 different approaches due to having 3 vastly different architectural exterior. The facade and traffic area's were a part of the scope.





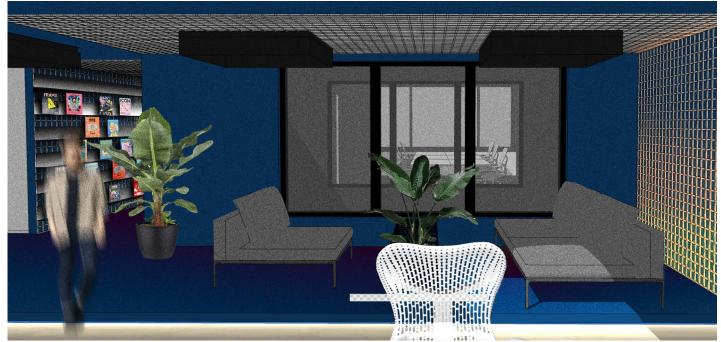
TYPE: ARCHITECTURE PROJECT: OFFICE ID LOCATION: AMSTERDAM, NETHERLANDS YEAR: 2020 CLIENT: INVENTDESIGN

26

For the newewal of their own HQ, a new design proposal was made which included a big overhaul in the current office environment. The new workplaces have been moved to the east side of the building, which creates space on the west side for guiet areas, meeting rooms and additional storage.

In order to make a clear separation and to be able to receive clients, an intervention has been placed in PANTONE's color of the year in the central aisle of the building. The central aisle facilitates multiple walking routes; towards the new workplaces, the flex spaces and meeting rooms, storage and towards the kitchen. Integrated in the object are storage areas for marketing materials, a waiting area and a lighting installation. In addition, there are recesses for natural daylight, and downlights in the same shade as the rest of the object.

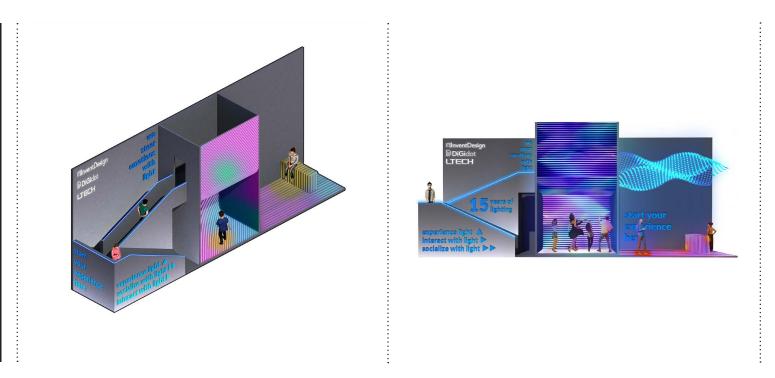




TYPE: DESIGN / LIGHTING DESIGN PROJECT: ISE 2020 STAND DESIGN LOCATION: AMSTERDAM, NETHERLANDS YEAR: 2020 CLIENT: INVENTDESIGN

During the run-up of ISE 2020 in Amsterdam, a concept was developed for the InventDesign stand in Hall 1 (main hall). The concept was based on more of an experience than a product or project showcase. The stand is divided in 3 volumes. Left is the 'social' space. where people can discuss current trends in lighting and integrated systems. This part of the stand was based in linear lighting integrated in floors, walls and even in the bar, seamlessly connecting with each other. In the middle we have the interactive space, where we invite the visitor to play and create with lighting. The lighting reacts on the movement of people standing, dancing and even walking by. The last space is the experience, in which we showcase 5 types of emotion with light. In this space we show how lighting can manipulate your emotion.

The stand was runner-up in the STAND DESIGN AWARDS.





TYPE: LIGHTING DESIGN PROJECT: COFFE CONCEPTS LOCATION: AMSTERDAM, NETHERLANDS YEAR: 2020 CLIENT: ZZDP ARCHITECTEN

ZZDP Architects asked for ways to enhance the visibility of the Coffee Concept store on the Valschermkade.

The concept was to create a modern iteration of a chandelier, without undermining the exisiting store design. The upper layer of the chandelier, being the largest layer, has a equal width of 3000mm.

The lighting is tunable in a range of 2200K - 6500K, but in most instances it's between 2700K and 3000K. Additionally the upper ring also has indirect lighting in pixel controlled RGBW. This way the store is optimized in visibility without disrupting the people inside enjoying their morning coffee.



28



OTHER PROJECTS ARCHITECTURE

Zalmplaatschool - Rotterdam, Netherlands -Elementary school - 2014 - collaboration with VMX Architects

Studentencomplex Dudok - Amsterdam, Netherlands - Student / young profesional housing - 2015 part of projectteam at Knevel Architecten

Office and warehouse Nedelko CTS - Barendrecht, Netherlands - Utiliy - 2015 - Part of projectteam at Knevel Architecten

IKEA Delft - Delft, Netherlands - Retail - 2016 - Part f projectteam at Knevel Architecten

Villa Rijswijk - Rijswijk, Netherlands - Residential housing - 2016 - Part of projectteam at Knevel Architecten

Grand Central Hotel - Rotterdam, Netherlands -Hospitality - 2016 - Part of projectieam at Knevel Architecten Zumtobel Group Salesoffice - Amsterdam, Netherlands - 2019 - Lead Design at Zumtobel Group

OTHER PROJECTS | LIGHTING DESIGN

Bonnefanten Museum - Maastricht, Netherlands -Museum - 2017 - Projectlead at Zumtobel Group

Erasmus Tinbergen - Rotterdam, Netherlands -Univeristy - 2017 - Part of projectteam at Zumtobel Group

Theater aan de Parade - 's-Hertogenbosch, Netherlands - Theatre - 2017 - Part of projectteam at Zumtobel Group

Overhoeks Blok M - Amsterdam, Netherlands -Residential housing - 2018 - Projectlead at Zumtobel Group

Valeriusplein - Amsterdam, Netherlands - Residential housing and outdoor - 2018 - Part of projectteam at Zumtobel Group

Viktor & Rolf offices - Amsterdam, Netherlands -Office - 2018 - Part of projecttearn at Zumtobel Group

Pathe City - Amsterdam, Netherlands - Theatre -

2019 - Projectteam at Zumtobel Group

FOR

INQUIRIES

CONTACT:

CONTACT.CHAARA@GMAIL.COM