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FROM GREY TO GREEN - REGENERATION OF THE ALLER-HARBOUR AREA IN BREMEN-HEMELINGEN

HEMELINGEN, ALLER-HARBOUR.

The area of study which we were given as a group was Hemelingen, Aller-Harbour, Bremen. This area is located in the eastern part of Bremen on the river Weser. The area is considered to be in a commercial and harbour area. This area produces a fifth of Bremen's gross domestic product. There is a rich industrial past. There are many companies located here that export internationally, these include Coca-Cola, Mercedes Benz, Daimler AG and Atlas Elektronik. Aller-Harbour is one of the three inland shipping ports. In this area there are two residential areas, these are Hemelingen and Sebaldbruck. These are highly densely populated, however these areas are cut off from the harbour by a large motorway. At Stadwerder there is a nature reserve and recreational area. This area is only a short distance away but unfortunately is separated by the infrastructure present.

Over the last number of years shipping has moved outwards towards the Bremerhaven which is closer to the North Sea. This is due to much larger ships and a change in technology. The main industry now in Hemelingen is the large coal fuelled electricity plant, which is expected not to exist into the next thirty years due to advances in biotechnology.

METHOD USED

The group combined a few different methods to find a solution for the regeneration of the area. The first step was to visit the area. While here it gave us a chance to see in context what were the positives and negatives in the area. Once this step was complete we each individually made a mind map of the area. This aided us in deciding which area to focus on. The next step involved putting our mind maps together and creating a SWOT analysis of the chosen area. Brainstorming our ideas for the area was the next part of the process. We looked at what was best



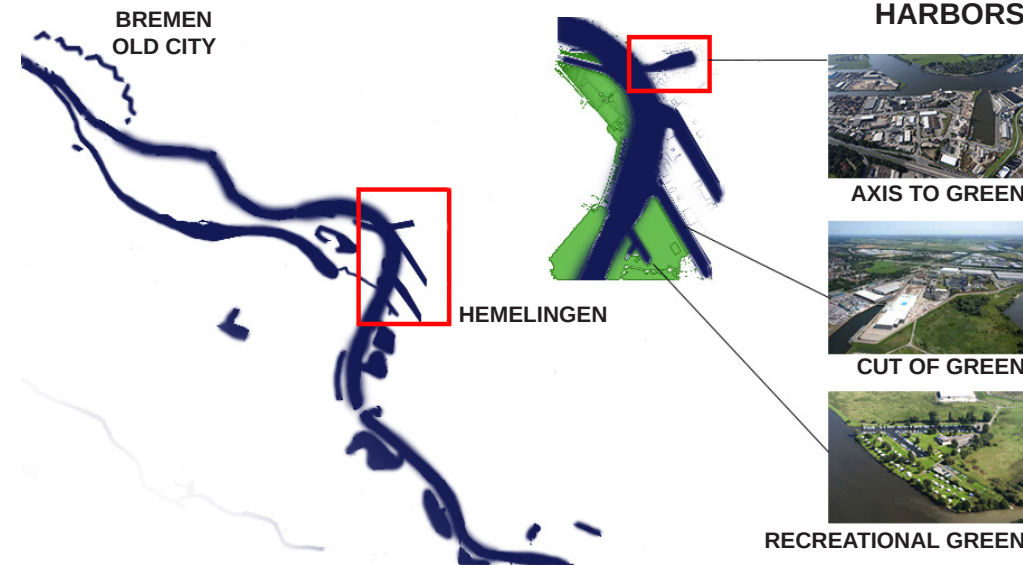
FROM GREY TO GREEN

WORKING PERIOD:
 21.-25. SEP. 2015

LOCATION:
 ALLER-HARBOR AREA
 HEMELINGEN, BREMEN

TEAM MEMBER:
 REMBRAZ, KATARZYNA
 SHIN, HEEWAN
 KOSHY, MRUDHULA
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 O'CONNOR, OLIVIA

EUSS 2015



for the area and decided on that as our concept. This was also the point where we decided the title for our project "from grey to green"

SWOT ANALYSIS

In order to understand the area better a SWOT analysis was carried out. This will help understand how to approach the regeneration of the area. It helped identify features that were already present in the area, and in turn look at if these were positive or negative. The group looked at the area as a long term vision rather than in the short term.

Strengths: The Hemelingen area has many existing strengths.

- There is a landmark building present in the area in the form of the coal chimney.
- Existing heritage/history of the area.
- Public transport is present in the surrounding area in the form of rail and bus.
- It does not become flooded, due to being further down stream.
- The existence of water.
- Enterprise already present.

Weakness: There were very little weaknesses in the area.

- Lack of connection to main residential area.
- Noise pollution for autobahn.

Opportunities: There were many opportunities identified within the area.

- Reconnecting to the main city and residential area.
- Buildings to find new uses eg. Old factories into studio space or office space for new enterprises.
- Develop the bus link.
- Connect with other side of the river.
- Cultural development.

Threats: There were only a few threats identified.

- Always noise from autobahn.
- Coca-Cola factory leaving at any time.

IDEAS

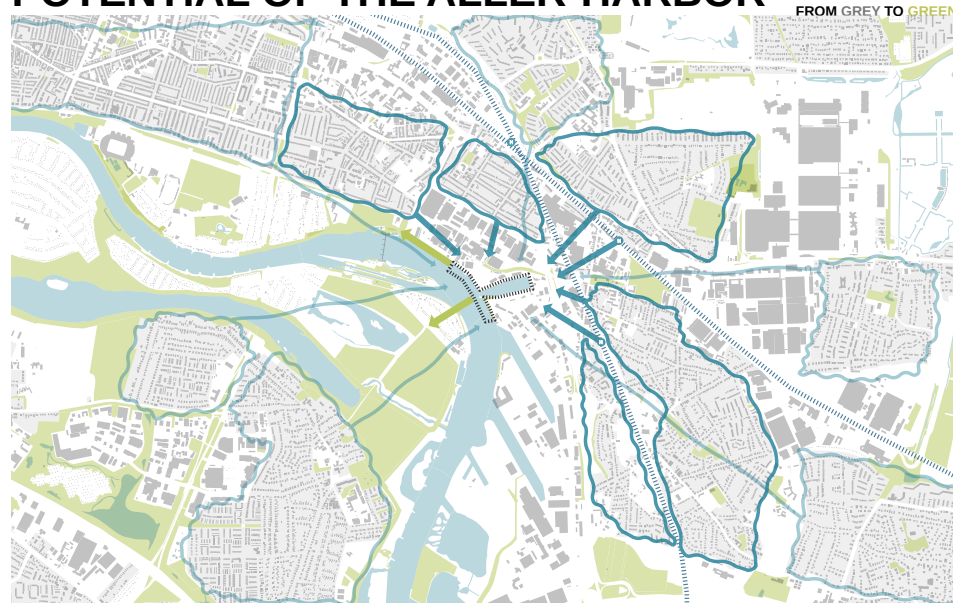
There were many ideas which were produced these included a green urban park. This park would have many uses for recreation including a walk way, playground and sports field. This could attract many different age groups. An idea for the electricity building was keep the coal and incorporate into a skate park. This area would also having seating made out recycled materials. A bungee jump from the was also brought about. On the Main Street area there was Germany's oldest silver company Wilkens Sohne, it was thought this could be incorporated into the design or remembered by a monument or art installation. Public participation could take place in the form of design of graffiti in the skate park. Pedestrian and cyclist footpaths were also suggested to be that closer to the dock area was suggested they would be green, also use of green signs towards the dock area to suggest it's inviting. Grey signs would used towards going back to the city. This could suggest that this area would be a green utopia.

CONCEPT

The final concept which is hopefully a realistic one sees the transformation of the area from a place was seen as dark, gloomy, unattractive and hard to access. It would now become an area the surrounding residents of Hemelingen and Sebaldbruck, would wish to come and spend there leisure time. The plan was to make many improvements to the infrastructure of the area. The use of our theme from "green to grey" was very important concept. It is important to the project to make this area a place an area that people wish to go through and not just a place to go to.

Former and current recycling facilities and the Ironworks buildings form an important part of the network of the special historical and architectural elements to be experienced as a

POTENTIAL OF THE ALLER-HARBOR



ANALYSIS: WATER



part of visiting the Hemelingen area. There are strong materials present such as brick, steel and a chimney. These also give the place character. This is why it is important that a lot of this character was left and incorporated into the new design of the area. Hemelingen has a strong history as a shipping port, the new design will bring this subtle into the design. The new design would keep the cranes already present on the water and reuse them for boats to dock in the area. The protection of the is in order to form a memory of past use of the area, it will also act as a landmark.

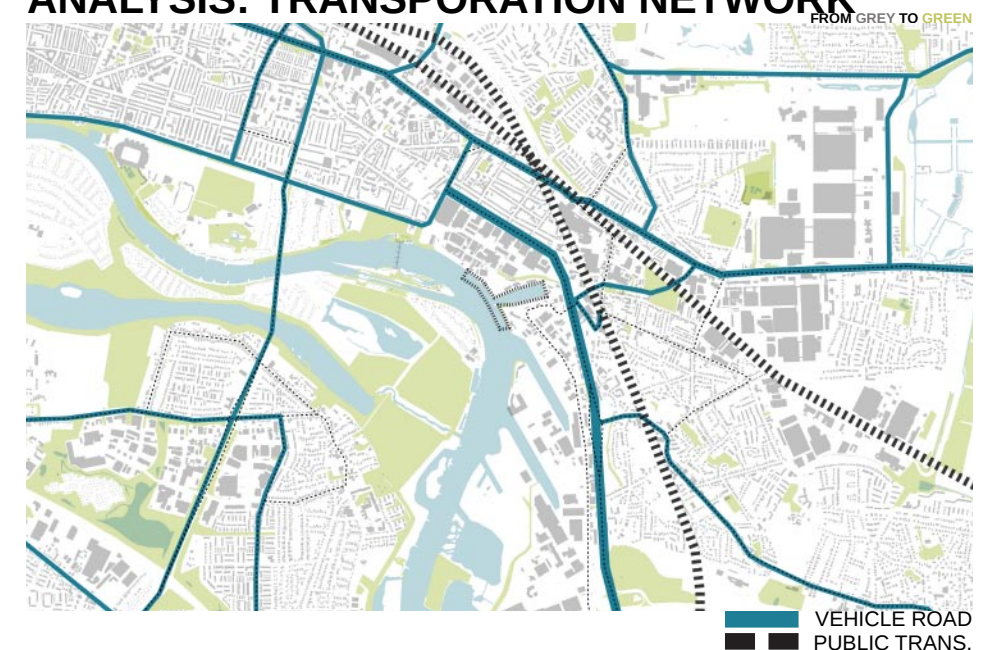
The proximity of the tram line, autobahn and bus stop are a very good opportunity for the area to attract people, as this infrastructure is established. The proximity of Naturschutzgebiet (Nature protection area) Neue Weser is presents an opportunity to build a connection through a water ferry. Connecting the city to the harbour is very important, this connection can be made viable by the positioning of pedestrian-oriented land uses and the use of colour, lighting, paving, landscape materials and public art. Those will drive to the area will be provided with parking facilities just at the verge of the harbour and additional parking under the autobahn. These areas will also be provided with lighting, paving, and landscape materials. Cars can enter the harbour at one point as it felt the regenerated area should be "green", which means it would be pedestrian and cyclist friendly.

The creation of Riverside Trails is to provide residents and visitors with opportunities to experience the unique combination of historical, cultural and natural elements that are part of Hemelingen port.. These trails should be illustrated by maps geared primarily to pedestrians and bicyclists.. These trails can vary in different lengths. The use trail maps and self- guided or guided tours could be related to architecture, public art, the natural environment, people and

ANALYSIS: GREEN



ANALYSIS: TRANSPORTATION NETWORK



places in Hemelingen history.

There will be many buildings kept and re-used. The main change of use would be the introduction of an education centre. This centre could teach biotechnology, one of the universities in Bremen could use this space. This would in turn attract more biotechnology into the surrounding area.

DESIGN

The final design, which was chosen, was mainly for recreational use with a small mix of other uses such as educational. The design reflects on architectural elements already present and tries to maintain the heritage of the harbour. The design of Hemelingen harbour will try and connect water to the land and make them flow seamlessly into one.

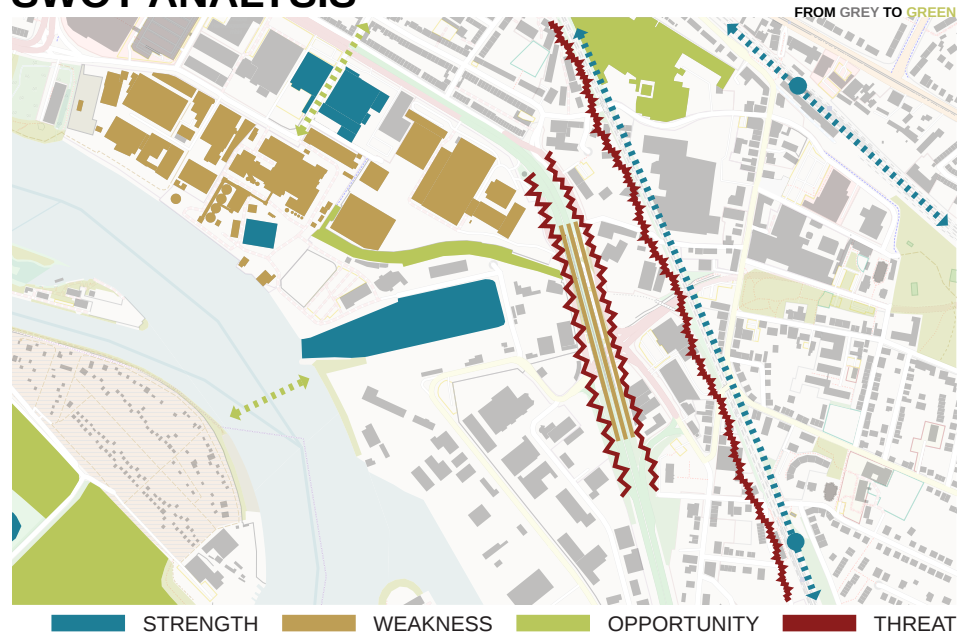
The first part of the design looks at the access to the area. There will be a few changes in regards to access. The main change will come in the form of changing direction of traffic to the area. Those who are coming in cars will come from the tunnel through to Heman-Fur-Sur. The Allerkai road will be only used for as service entrance. Parking will also be provided on the Heman-Fur-Sur. These areas will become landscaped and suitable lighting will be put in place. A new entrance will be opened up from Föhrenstraße for pedestrian and cyclist use, this will also be attracted by landscaping and lighting. There will be access provided to Naturschutzgebiet Neue Weser, which is on the other side of the river, this will give a ferry that will cross from one side to the other. This will expand the range of people who can access the Hemelingen Harbour.

There will be many buildings preserved due to their architectural and heritage qualities. Inspiration will be drawn from these buildings into any new being built. The crane which is already present on the dock will be preserved

ANALYSIS: BUILDING



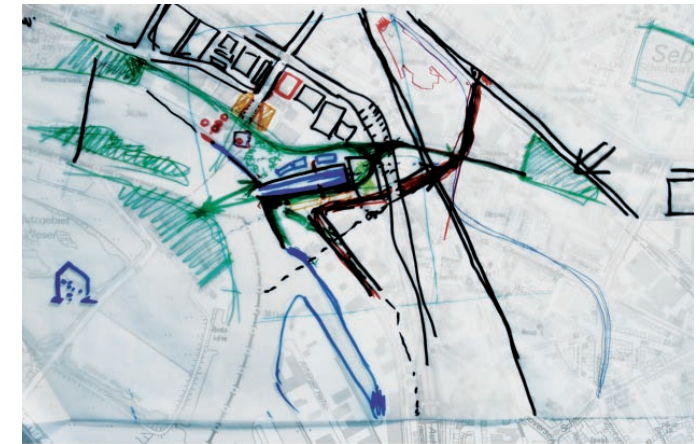
SWOT ANALYSIS



and given a new use for the removal of boats from the harbour to be stored or for other uses. Buildings that can be preserved will be given new uses such as educational and storage. There will also be a sports centre which can have a swimming pool and sports courts. This will also be somewhere for people to go during winter and bad weather especially. The biggest conservation and reuse of a structure in the area is the Atlas Elektronik chimney. This will have a unique new use as a place where those looking for an adrenaline rush can come. The new use will be a bungee jump. The chimney will now become a landmark building in the area. Also in this site there is a coal site with a large hill made from coal from the Elektronik. This will be designed as a skate board park. The design for this will show the coal along the sides of the park.

The river and harbour will become involved in the land. This will be done by putting steps leading into the harbour from Kai Aller, these will act as a place where people can sit. On either side of the river bank there will be a slope leading to the river, here people can watch boats and other water activities. Either side of the harbour there will be a raised dock for boats and yachts to dock and enjoy the facilities of this area. The boats can also be taken out of the river from here and stored.

Hemelingen harbour will be given a new lease of life through varied recreational facilities in the area. A new outdoor concert area around Kai Aller, provide a space where many different events can take place. It will be a steel built structure that will tie in with the materials already present on the former steel site. There will be a multi-functional recreational centre also present near the harbour. In the park that is being created there will be outdoor exercise facilities, playground, outdoor all-weather pitches and kiosks for coffee and snacks. There will also be a walk in the figure of eight, one circle will



be bigger than the other. This will give people a choice of what length they wish to run, walk or cycle.

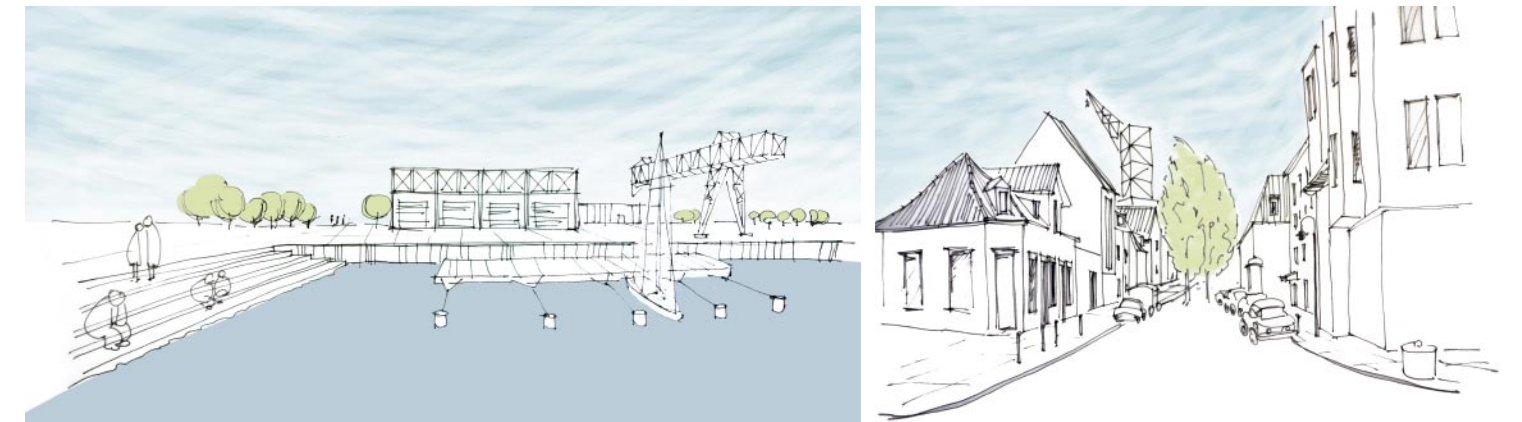
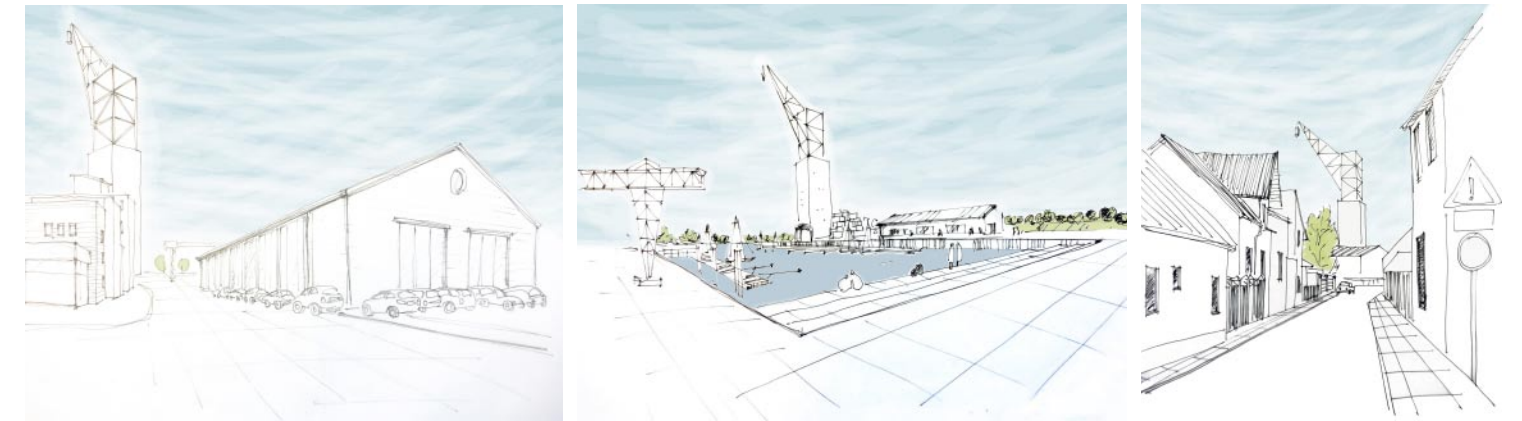
The main objective of the regeneration of the harbour is to transform a once grey area into a green attractive area where people wish to visit with their families. The main way of doing this is through the introduction of a multi functional park. There will also be landscaping carried out throughout the entrances to the site. At the waterfront near the skate park, old car parking spaces will be transformed into places for trees and water features. Furniture is also important for people to come and enjoy the area. The two main forms of seating to be used would be old boats transformed into seating for the park and old used skateboards for the skate park. These would keep within the theme and give a sense of a formal use. Combating noise from the autobahn and insuring it does affect the atmosphere of the area a green garden will be put on the rooftops of the buildings underneath the autobahn.

The overall design is to create a green area that has a multi functional use which will last into the future and is adaptable over time. It's main purpose is to attract residents from the the surrounding area.

CONCEPT CONNECTION



MASTERPLAN



PROGRAM: BUNGEE

FROM GREY TO GREEN



IMAGE SOURCE
 LEFT: https://commons.wikimedia.org/wiki/category/Bungee_Jumping#/media/File:MAKARSKA_BUNGEE_JUMPING.JPG
 RIGHT: https://upload.wikimedia.org/wikipedia/commons/2/22/2009-07-28_BUNGEE_SCHEVENINGEN.JPG

PROGRAM: OTHER ACTIVITIES

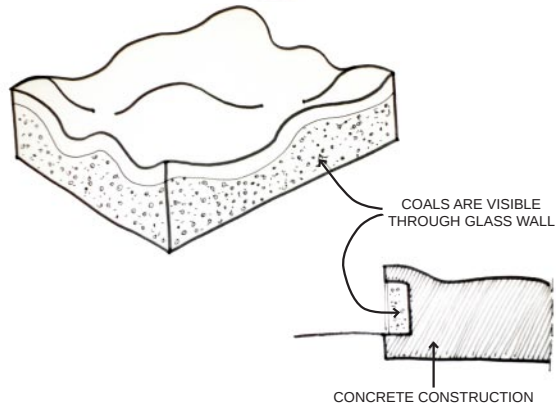
FROM GREY TO GREEN



IMAGE SOURCE
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 RIGHT: http://2.bp.blogspot.com/_2iQONv17B70/UA5QDXJGB2I/AAAAAAAAACOS/Q2WEXW8E0BK/S1600/EUROPEAN_PLAYGROUND_6.JPG

IDEA OF SKATE PARK “ON COAL”

FROM GREY TO GREEN



PROGRAM: WATER



IMAGE SOURCE
 LEFT: http://www.west8.nl/images/dbase/2383_LARGE.JPG
 RIGHT: <http://urbnews.pl/wp-content/uploads/2014/10/FOTO-4.JPG>

PROGRAM: YACHT



IMAGE SOURCE
 LEFT: <https://strandedmariner.files.wordpress.com/2009/03/shin-nishinomiya1.JPG>
 RIGHT: <http://images41.fotosik.pl/310/8d5a198c5aef1f59med.jpg>

PROGRAM: CLIMBING



IMAGE SOURCE
 LEFT: <https://thearcaneseeker.files.wordpress.com/2014/12/carousel-ireland3.jpg?w=800>
 RIGHT: <http://www.cruiseman.com/images/mariner26.gif>

STAIRS



PROGRAM: GREEN STRUCTURE WALL

FROM GREY TO GREEN



IMAGE SOURCE
 LEFT: https://upload.wikimedia.org/wikipedia/commons/3/37/MFO-PARK_OERLIKON_2010-10-03_14-28-40_SHIFTN.JPG
 RIGHT: http://www.tournesolsiteworks.com/product_images/orchard-shopping-12th-fl-singapore-vgm1233139615.jpg

PROGRAM: SKATE PARK “ON COAL”

FROM GREY TO GREEN



IMAGE SOURCE
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 RIGHT: http://img.archiexpo.com/images_ae/photo-g/skatepark-bowl-63496-4757615.jpg

WALL



PROGRAM: CONTAINER BUILDING

FROM GREY TO GREEN



IMAGE SOURCE
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 RIGHT: <http://media-cache-ak0.pinimg.com/736x/f5/73/18/f57318f8e185a3269784d63870b5fdca.jpg>