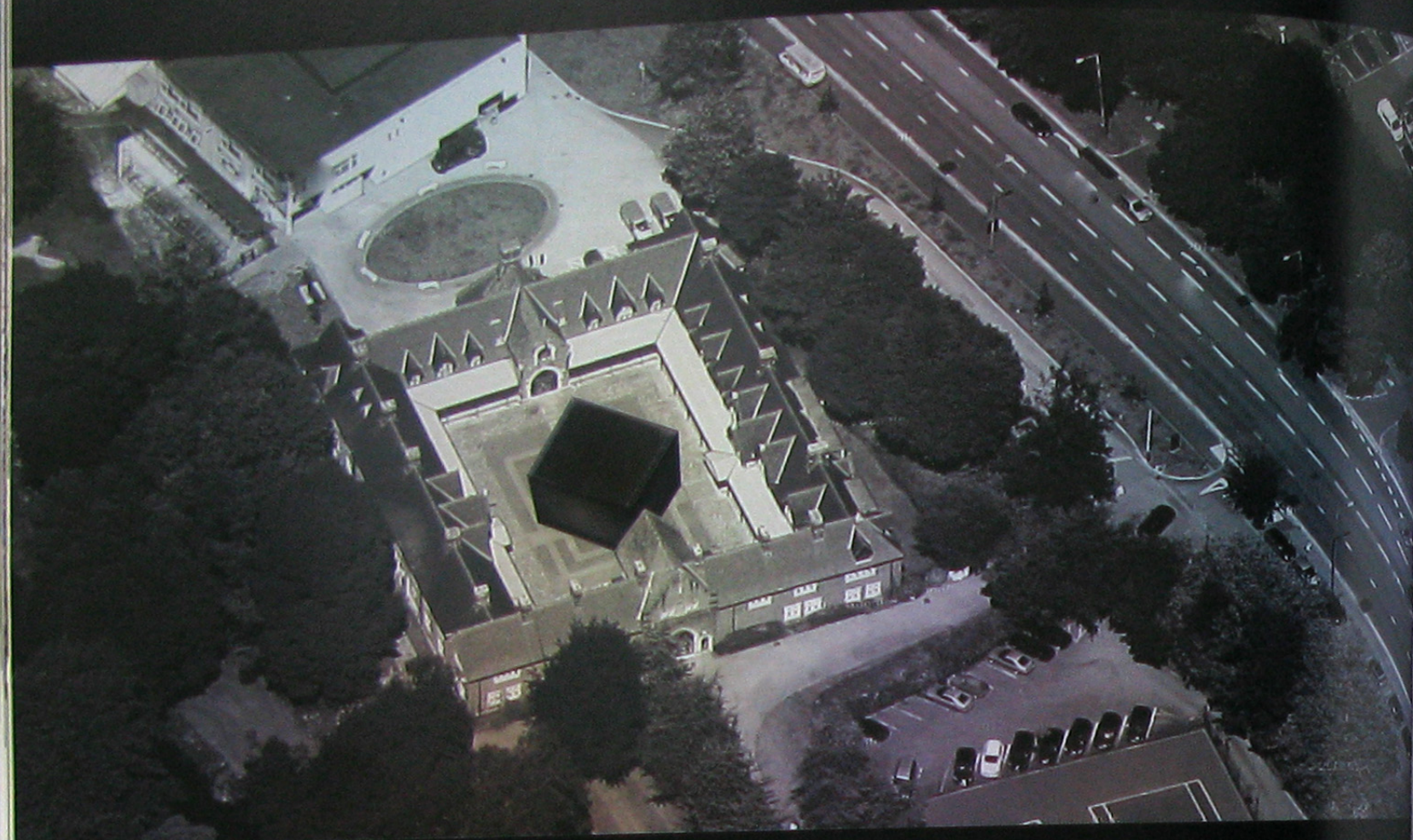


PARABOX

ARCHITECT: TOMDAVID ARCHITECTEN



Both temporal and sustainable design issues are part of a larger trend, however, both with a slightly different inducement.

A combination of both is rarer and seems contradictory due to their short and long term mind, but in fact it challenges different and unexpected thoughts to think about sustainability. Adding the programmatic and safety requirements needed for a public theater, this competition stands for a particularly interesting and topical defiance. How can the sustainability of a temporary structure being justified?

To meet the durability, safety and feasibility requirements, we use a balanced mix of materials and their application and we make sure that all used materials will have a long lifecycle. Either by rent, recycle or providing a second life after the show.

Besides the sustainability issue, the theater just as well must comply to the universal theater standards. Therefore the design is based on the most ideal conditions for a flexible theater: a square flat floor stage area with an adequate clear height. Dry sound acoustics, ventilation, natural light and the ability to darken the theater. The arrangement of the linkable seats is flexible and so a large number of conceivable configurations for both the stage and the spectators are possible.

Written by TomDavid Architecten

일시적인 디자인과 지속가능한 디자인 이슈는 모두 광범위한 경향의 부분이지만, 이 두가지는 서로 다른 유인책을 갖고 있다.

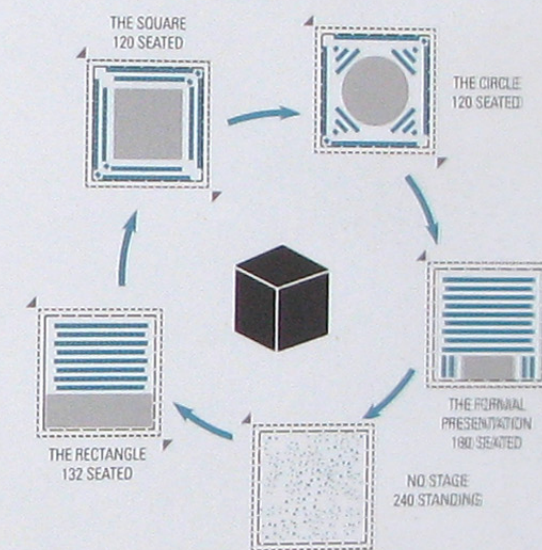
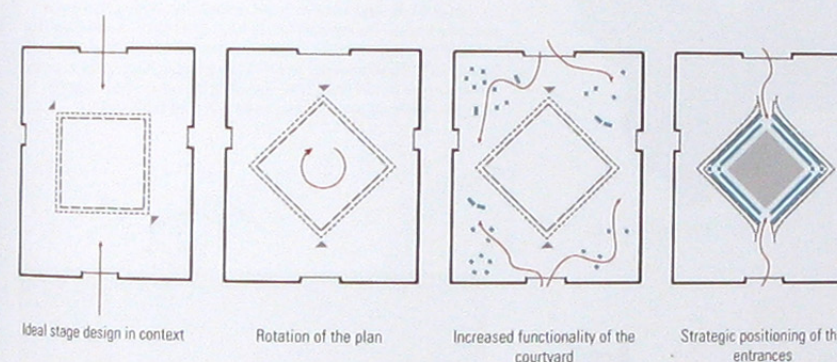
두 디자인을 조합하는 것은 이것들의 짧고 긴 시간적 성향 때문에 유례 없이 모순된 것처럼 보여진다. 그러나 사실 이러한 조합은 지속가능한 것에 대해 고뇌하는 다르면서도 예기치 않은 사상에 대한 도전이기도 하다. 공공극장에 필요한 프로그램 및 안전 요건들에 더하여, 다음처럼 특별한 흥미로운 도발적 주제를 제기한다. 가설구조물의 지속가능성을 어떻게 정당화할 수 있는가?

내구성과 안전성, 타당성 요건들을 충족하기 위해 설계자들은 재료들을 균형있게 혼합하여 적용함으로써, 사용되는 모든 재료들의 오랜 수명주기를 확보하고자 한다. 이는 임대나 재활용, 혹은 전시 후 제2의 용도 제공에 대한 것들이다.

이같은 지속가능성의 이슈 외에도, 극장 자체는 보편적인 극장 기준을 따라야 한다. 따라서 그 디자인은 기본적인 극장에 가장 이상적인 조건들, 말하자면 적절한 높이의 정사각형 평판 무대, 울림을 줄인 음향설계, 환경, 자연광, 그리고 극장을 어둡게 하는 기능 등에 기초한다. 서로 연결이 가능한 좌석배열이 기본적인 만큼 무대와 관객석의 수많은 구성들을 생각해볼 수 있다.

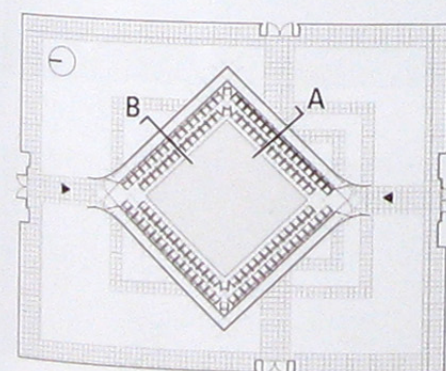
글: 톰데이비드 아키텍트

Location Cardiff, Wales, UK Use Public theater Total area 177m² Project Type Competition Status Finalist (design to be exhibited at the WSD2013 September on site, Cardiff, Wales) Year 2013 Design team Tom van Oolijk, David Baars, Alexine Sammut Editorial design Lee Sung Hye Editor Lee Sun-A

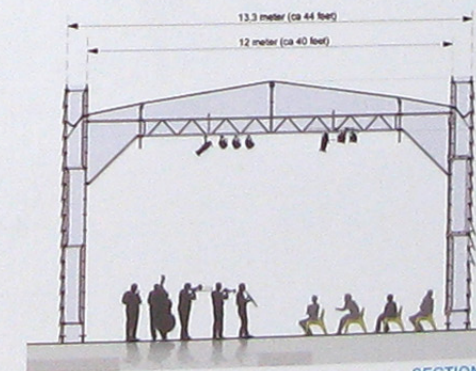


CONCEPT PUBLIC FLOW ICONS

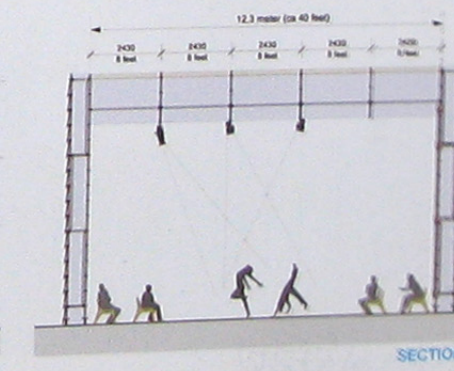
CONCEPT SEATING ARRANGEMENT



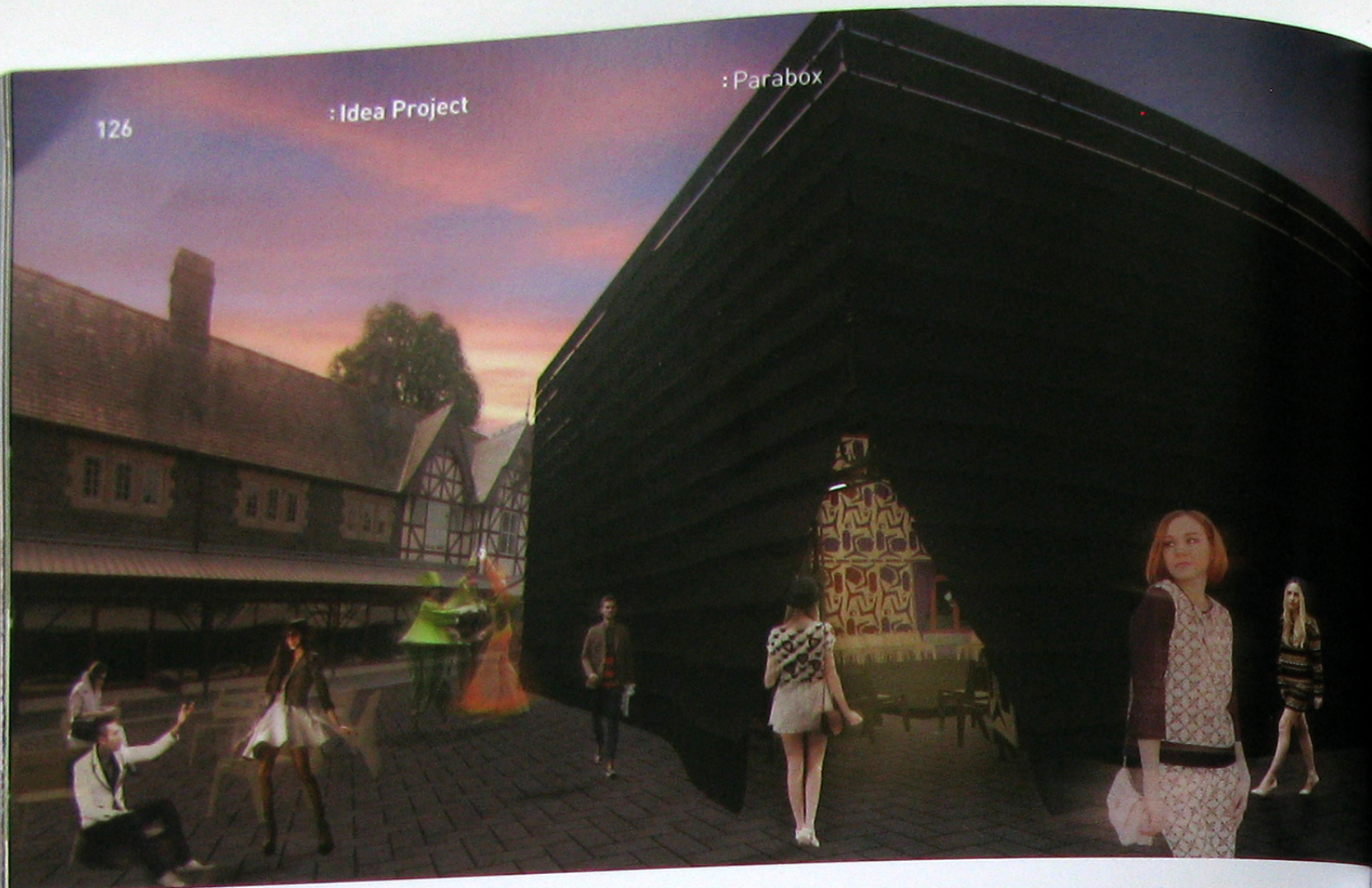
FLOOR PLAN



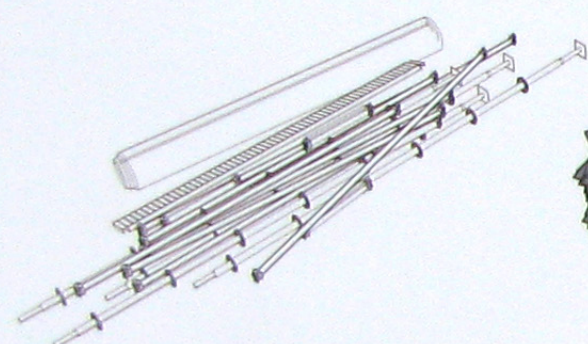
SECTION A



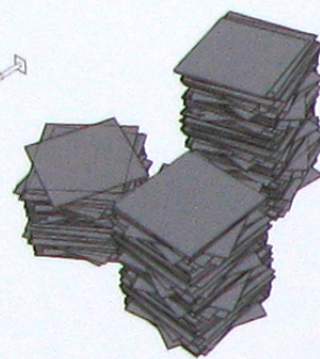
SECTION B



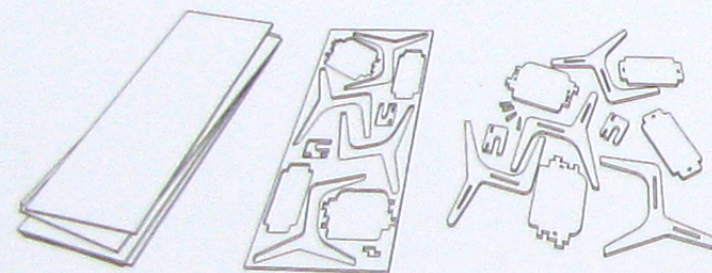
>> SUSTAINABILITY



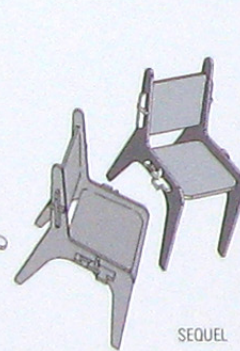
SCAFFOLDING - RENTAL



CARPET TILES - RECYCLE



PLYWOOD BOARDS



SEQUEL

**Sustainability**

The life cycle of the rental scaffolding, used for the basic structure, is properly long and therefore undisputed sustainable. The carpet tiles used for the facade cladding will be collected from vacant offices around town or interior projects where they have been replaced by a new floor. These tiles are fully recyclable, so after the show they will be converted into new ones.

To provide all the seats for the theater we will manufacture them out of multiplex boards. The leftovers will be used to construct the inner wall. The utility of the chairs will have a sequel as they will be sold after the festival, retrospective crowdsourcing? Or will be given away. By providing a tangible memory of the Cardiff WSD 2013 Festival to its visitors, finally also the multiplex chairs are assigned to a longer and durable life cycle.



UNFOLDED INSIDE WALLS

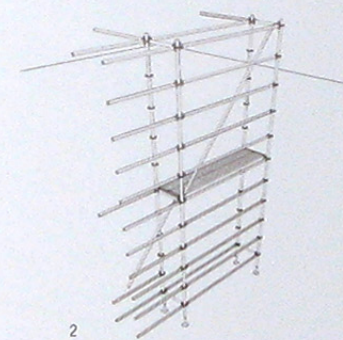
>> CONSTRUCTION MANUAL

Construction

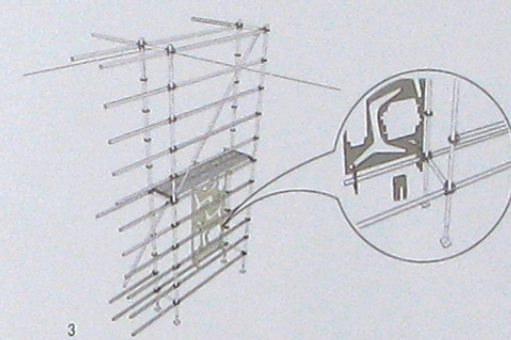
The outer facade cladding, constructed out of the back side of the carpet tiles, works like snake scales. Protected from rain due to its water-repellent coating, and open enough to breathe, natural ventilation. The soft and colored side of the carpet tile directed to the inner side of the theater ensures good acoustics and a vivid background for the inner wall. The interior facade is constructed from the leftovers / cut-out boards where all the chairs are produced from. The perforated inner wall in combination with the soft side colorful outer wall provides an excellent acoustics and an easy, festive atmosphere.



1 Building the scaffolding

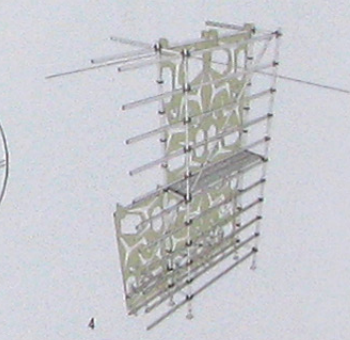


2

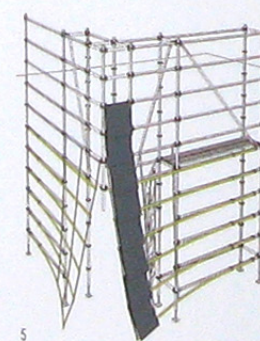


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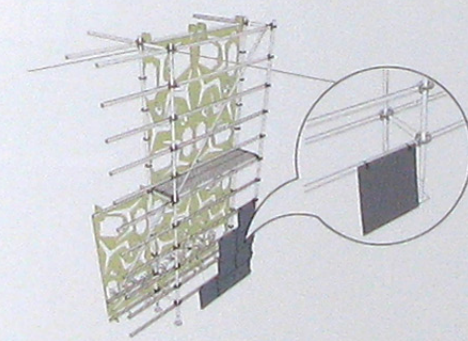
Mounting the cut-out boards to the scaffolding



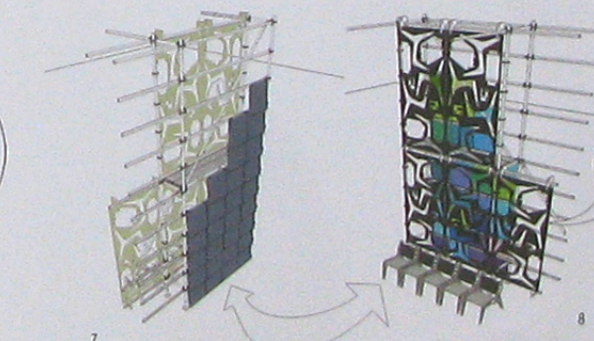
4



5 The flexible doors can be opened and closed like a theater curtain



6 The installation of the carpet tiles with tie-wraps



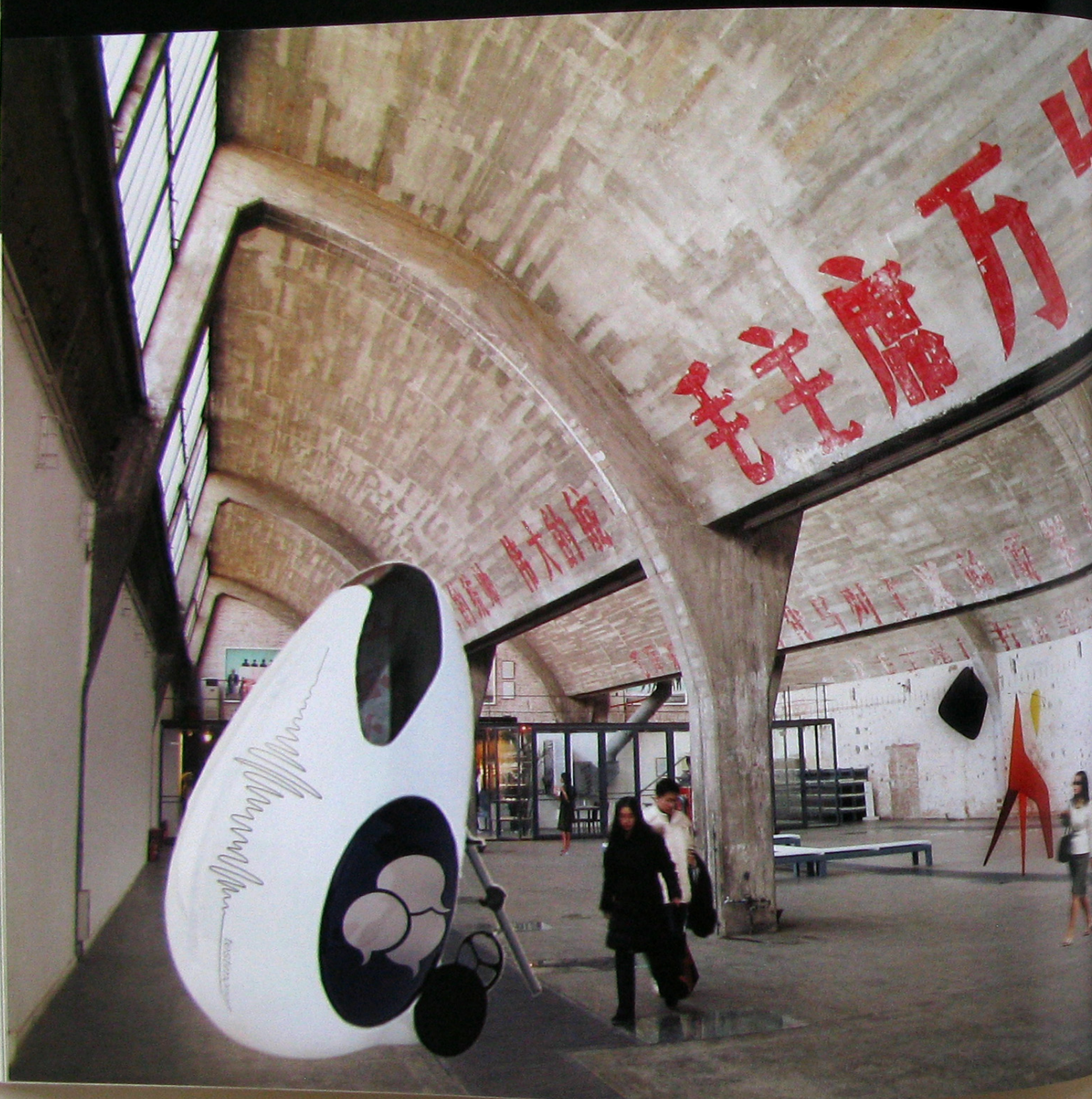
7 Outside view and inside view



8

MEMORY POD

ARCHITECT: TOMDAVID ARCHITECTEN



Our iconic <Memory Pod> is a modern day story collector, 'ready to record', wherever it stops. Collecting indispensable everyday stories from across the country and archive them for future generations, the MemoPod will be the embodiment of contemporary folktales. It will meander through our time visiting cities, festivals, gatherings and villages, looking for stories.

In many metropolitan cities and particular Asian cities, parts of the old city are demolished to make way for new developments. Long term social structures are unraveled to form new alliances. Along with large scale city manifestations that come and go, people like to preserve some poignant memories to these passing moments. To counterweigh the abundance of digital images (from camera's and phones) the MemoPod collects highly personal audio stories from engaged people. Like the wandering storyteller in ancient times, but now to listen rather than to tell.

Sustainability The MemoPod is a manpowered vehicle with an electrical support engine. The smart engine will eliminate the steep climb and give the vehicle a much larger range. It will even charge the LiFePo4 batteries while riding down the hill. These batteries will provide enough power for a smooth 'stand alone' operation while recording. Since the MemoPod is powered by manpower, there will be zero emission, and therefore can be labeled as extremely environmentally friendly. We chose high quality long-lasting materials which require little maintenance. The MemoPod, with its human scale and promoting physical exercise, therefore has a sporty, approachable and sustainable appearance.

Branding and collaboration Traveling on public roads, the arrival at a particular destination and its transformation to the recording function, all of this will strengthen the identity and recognition of the MemoPod in its capacity. Just as a broadcast vehicle arriving somewhere and causing a certain stirring, the MemoPod by its own iconographic appearance will be able to cause a sort of excitement. Together with the logos of participating institutes, its unique shape guarantees a catchy, dynamic and recognizable appearance.

In time, the MemoPod recorded history will be broadcasted through radio, internet or public library's. A modern day 'museum' with an ever growing collection randomly documented stories of those who had a tale to tell.

Written by TomDavid Architecten

상징적인 <메모리 포드>는 정착하는 어느 곳에서나, '기록하기 위해 준비된' 현대의 이야기 수집기다. 메모포드는 전국으로부터 얻어진 필수적인 일상의 이야기들을 수집하면서, 미래의 세대를 위해 그것들을 보관하는 동시대 민간설화의 전형이 될 것이다. 이것은 도시와 축제, 모임 그리고 마을을 방문하고, 이야기를 찾기 위해 우리의 시간을 거닐 것이다.

다수의 거대한 도시와 아시아의 특정 도시 내에서, 오래된 도시의 부분들은 새로운 발전을 위해 철거된다. 장기적인 사회 구조들은 새로운 통합을 형성하기 위해 풀려진다. 들어오고 나가는 거대한 규모의 도시 현상들과 마찬가지로, 사람들은 이러한 일시적인 순간들의 어떠한 슬픈 기억들을 보존하는 것을 좋아한다. 카메라나 휴대폰으로부터 얻어지는 디지털 이미지의 풍부함 속의 균형을 맞추기 위해, 메모포드는 정해진 사람으로부터 지극히 개인적인 이야기들을 수집한다. 이는 마치 고대의 방랑하는 이야기꾼과 같지만 말하기보다는 현재를 들어주는 것이다.

지속가능성 메모포드는 인력으로 가동되는 운송 수단으로서, 전기 서포트 엔진도 갖추고 있다. 스마트 엔진이 가파른 경사를 처리하여, 더욱 자유로이 다닐 수 있다. 언덕을 내려올 때에는 LiFePo4 배터리를 충전하는 기능도 있다. 이 배터리는 녹음하는 동안 여유 있게 '자립' 작동을 할 수 있을 정도의 충분한 동력을 제공한다.

인력으로 작동하기 때문에 오염을 배출이 없고, 따라서 지극히 환경친화적이라 할 수 있다. 또한 고품질의 오래가는 재료를 선택하여 많은 관리가 필요치 않게 하였다. 신체 운동할 장려하는 휴먼 스케일로, 스포티하며 접근성 있고 지속 가능한 외양을 가진다.

브랜딩과 콜라보레이션 거리 돌아다니기, 목적지 찾아가기, 녹음 기능으로 전환하기, 이 모든 것이 메모포드 기능에 대한 특성과 인지도를 강화할 것이다. 방송용 운송 수단이나 어딘가에 출현하는 것만으로도 그 상징적인 모습에 흥분 섞인 분위기가 일어날 것이다. 고유의 로고와 함께, 다이내믹하고 눈에 띄는 디자인으로 모두의 눈길을 사로잡을 것이다.

조만간 메모포드에 남은 기록들은 라디오, 인터넷 또는 공공 도서관 등을 통하여 방송될 것이다. 이 청단의 '박물관'에 무작위로 기록된 이야기 컬렉션은 언제까지나 계속해서 늘어날 것이다.

글: 톰데이비드 아키텍트

Location Unspecific Use cultural Design team Tom van Ooljk, David Baars, Alexine Sammut Editorial design Lee Sung Hye Editor Lee Sun-A



>> DIAGRAM

Exterior Shell
The outer shell is waterproof and robust (also suitable for the road).

The air inside the pod is ventilated. Warm air escapes from the top vents, fresh air comes in from vents at the bottom.

Ready to Record
The MemoPod will have to be disassembled only in a few cases (e.g. to go on rooftops). In all other cases, the pod is instantly ready for use, just tilt to upright position. It is a balanced structure and can be done easily by 1 person in about 2 minutes.

Acoustics
The outer shell, including the windscreen and the door are both thermally and acoustically insulated.

Studio
The recording space in the MemoPod can accommodate 3 people and a folding table, coats etc...
In addition, there's sufficient storage space for recording equipment.

Accessibility for all
A seat lift is integrated in the left door for lifting disabled people inside the MemoPod.

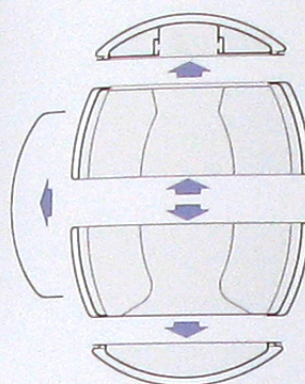
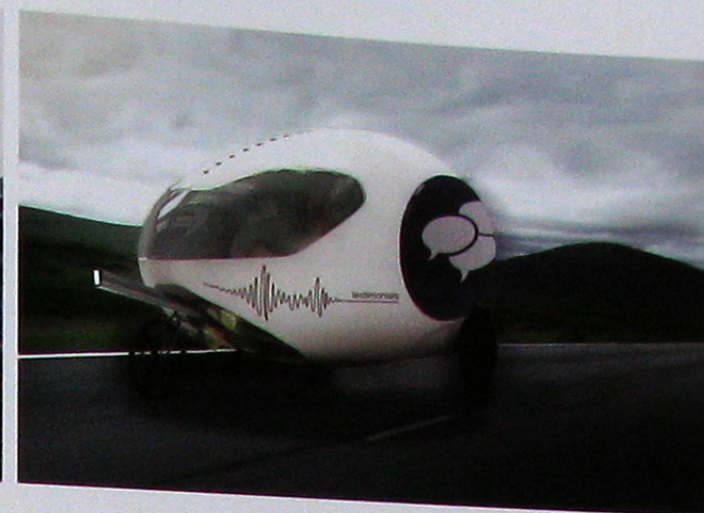
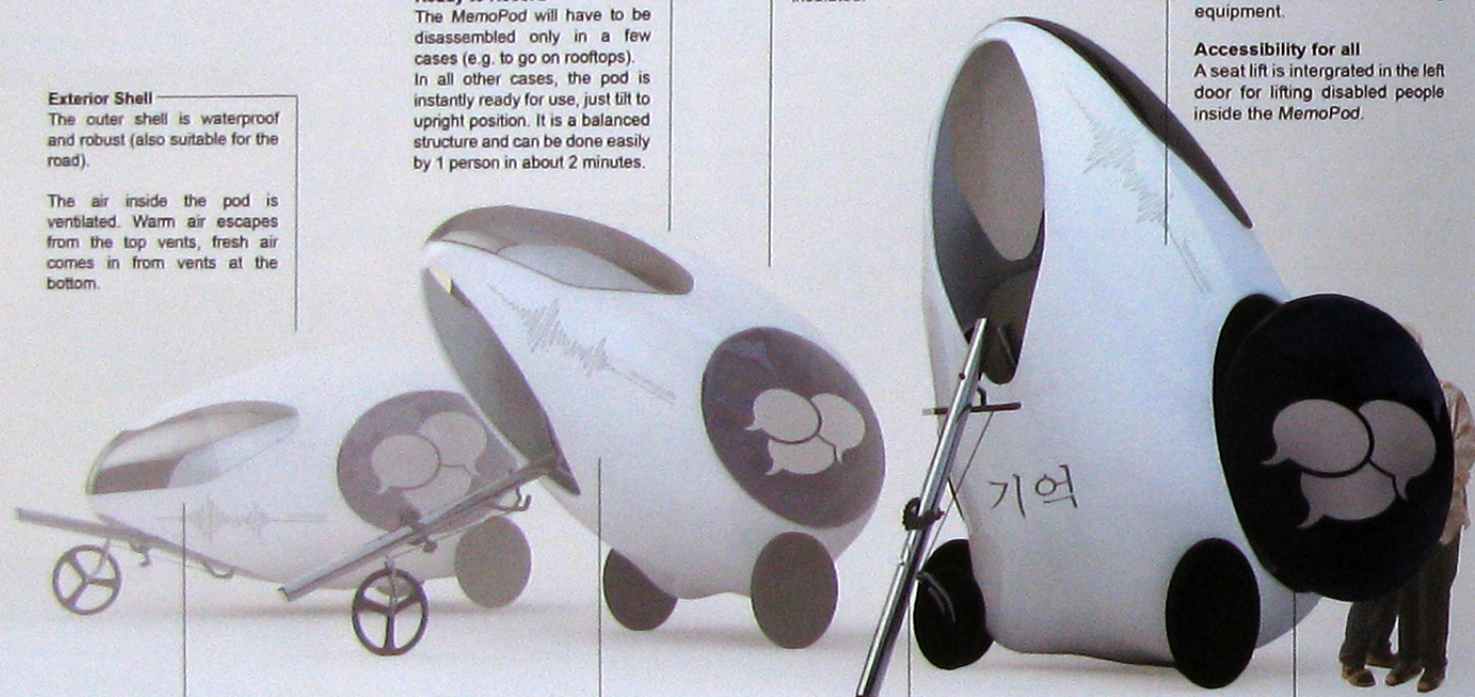
Interior
The inner shell is finished with acoustic foam for dry sound and short reverberation.

The recording space in the MemoPod has a professional studio look. The interior is intimate and comfortable and has a luxurious finish with soft and smooth seats (easy to clean).

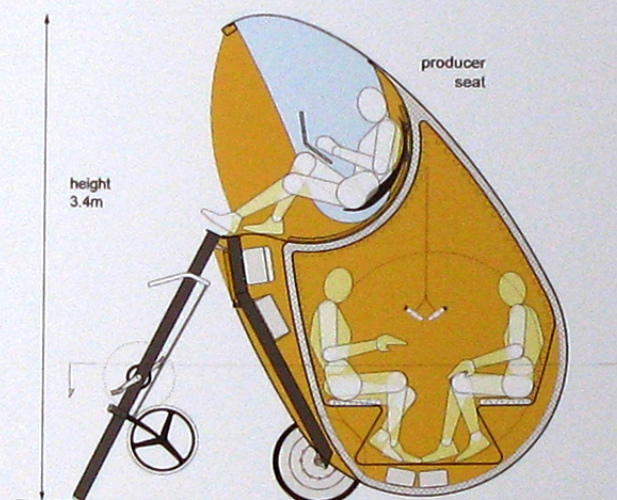
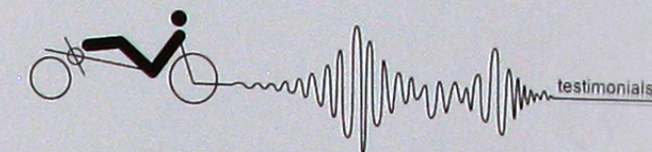
Upright
The upright position generates a great amount of attention, for example in crowded area's (festivals or shopping street). The pedal-boom doubles up as a ladder to access the producer seat.

Power
The MemoPod is self-sufficient. Recording and lighting is powered by means of 'LiFePO4' batteries and alternators. (13 amp / 240 volt single phase supply)

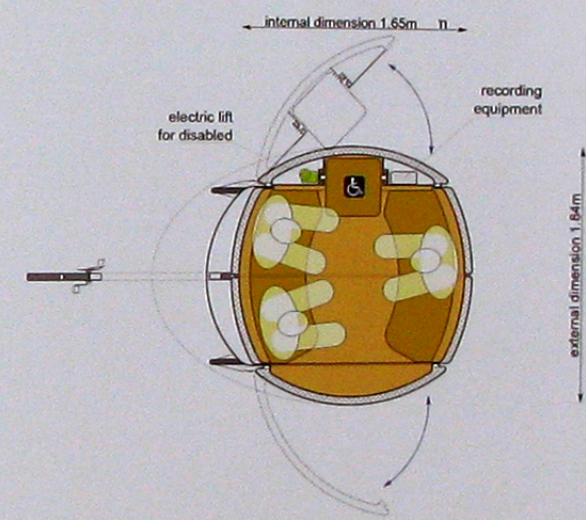
Branding
The outer shell provides enough space for signs and logos (branding). Its unique appearance in itself is an iconic advertising feature.



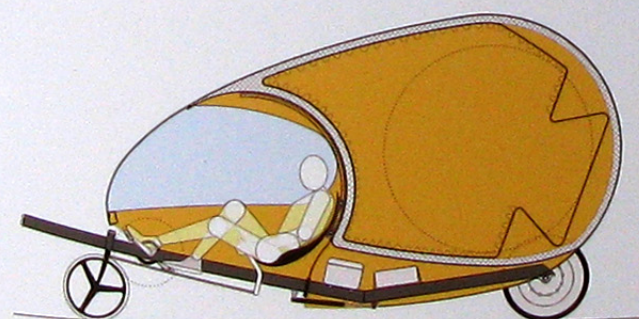
Disassembly
The pod consists of only 5 parts. The biggest parts are no larger than 1.8 x 0.8 meters and will fit through any door.



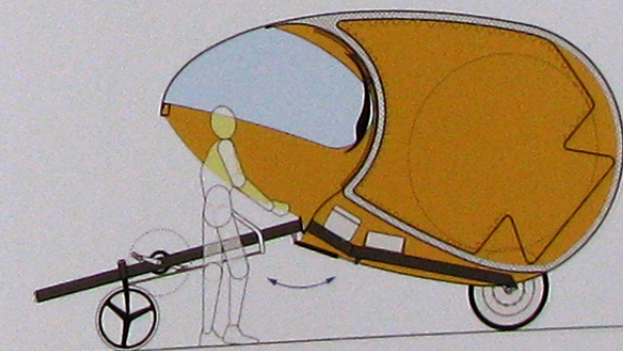
CROSS SECTION, UPRIGHT POSITION



SECTION / PLAN



CROSS SECTION, DRIVING POSITION



CROSS SECTION, SET-UP POSITION