



**University of
Sunderland**

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POP-UP

The 'POP-UP' 2010 is street-furniture that can be pumped out of the pavement by the Inhabitants. The 'POP-UP' is a result of a collaboration of Carmela Bogman and Rogier Martens.

In the quarter Lombok in the city of Utrecht, The Netherlands the first Pop-Up was placed. The Pop-Up, furniture for the public space, is a design of Carmela Bogman and Rogier Martens.

The Pop-Up is furniture that can be pumped out of the pavement by the inhabitants. After use it can be pumped back and it will disappear into the pavement. This means that the inhabitants have the freedom to decide for themselves, when they want to use the Pop-Up and in which way.

The Pop-Up is made out of three retractable bollards. On these bollards aluminum sheets are attached that can be manually pumped out of the floor. Several keys are spread among the neighbourhood to the different users of the furniture. The keys give access to the pumping system. Because of the hydraulic system the bollards can be fixed at any height, with a maximum height of seventy-five centimeters. The user completes the space, every user in its own manner.

By using several sheets that can be fixed at any height, the choice is up to you whether you want to create a bench, a stage or a lounge area. The possibilities are endless. The Pop-Up blurs the boundaries between public and private. After using the Pop-Up it is pumped back into the pavement creating a peaceful street scene without any obstacles. But if you feel like using the Pop-up, all the ingredients are right there on the street.

红色用于对圆柱、大厅边墙进行视觉上的延展，地板则是淡淡的米黄色与棕色。液晶显示的海报栏安装在边墙里，最新上映的电影预告片也投射在圆柱上。红色用于对圆柱、大厅边墙进行视觉上的延展，地板则是淡淡的米黄色与棕色。液晶显示的海报栏安装在边墙里，最新上映的电影预告片也投射在圆柱上。液晶显示的海报栏安装在边墙里，最新上映的电影预告片也投射在圆柱上。

Rogier Martens (1978)

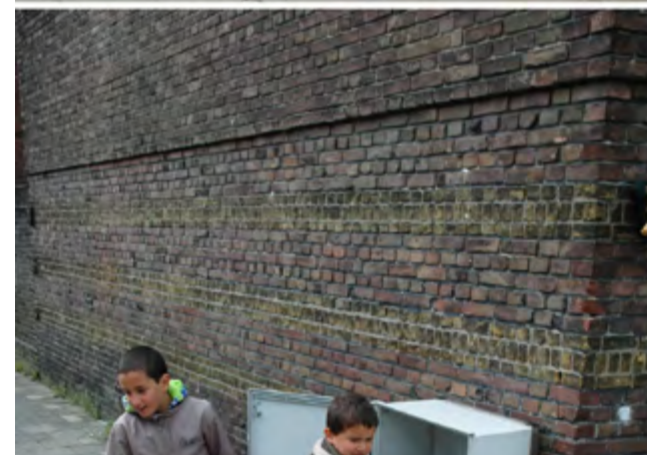
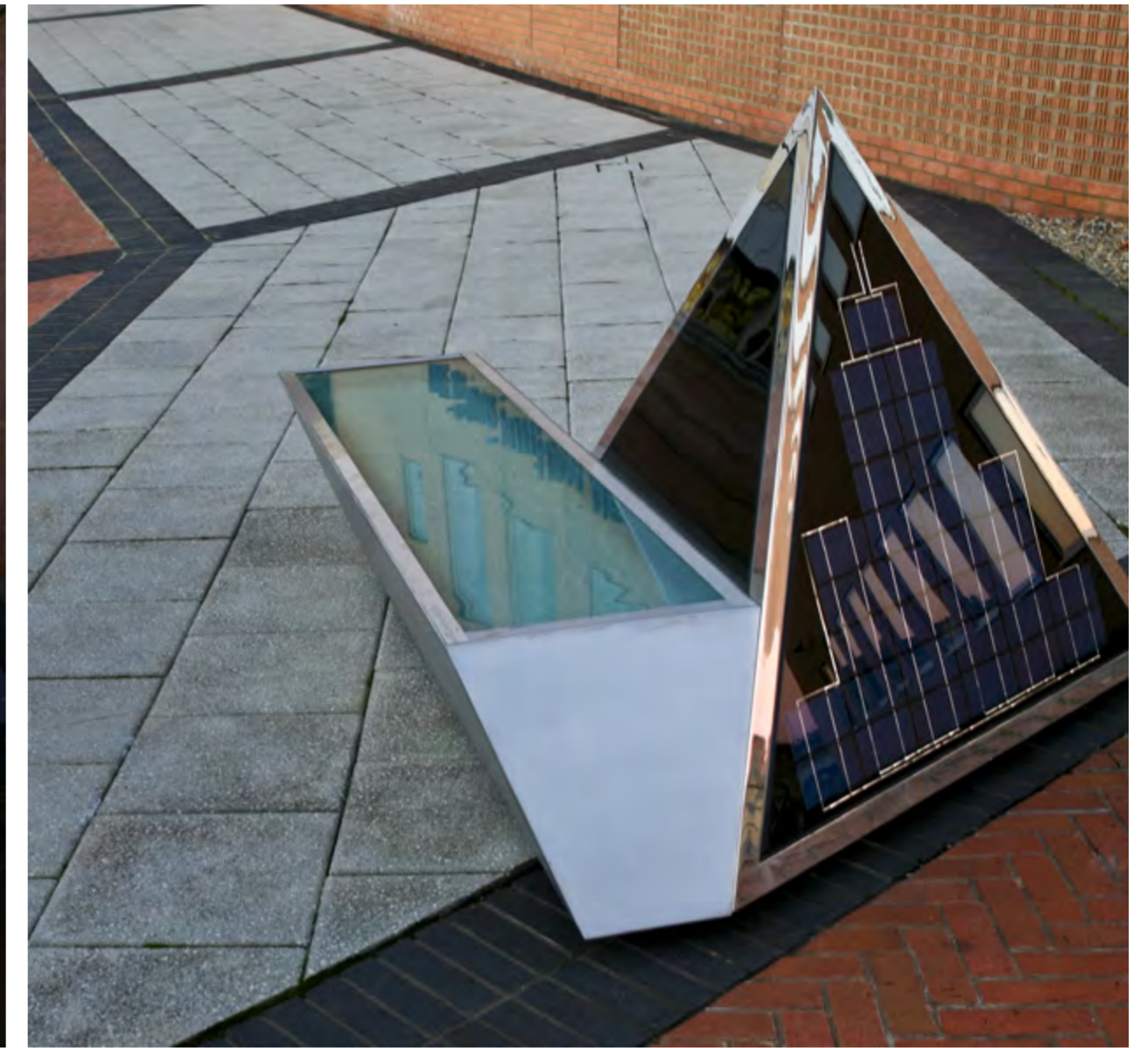
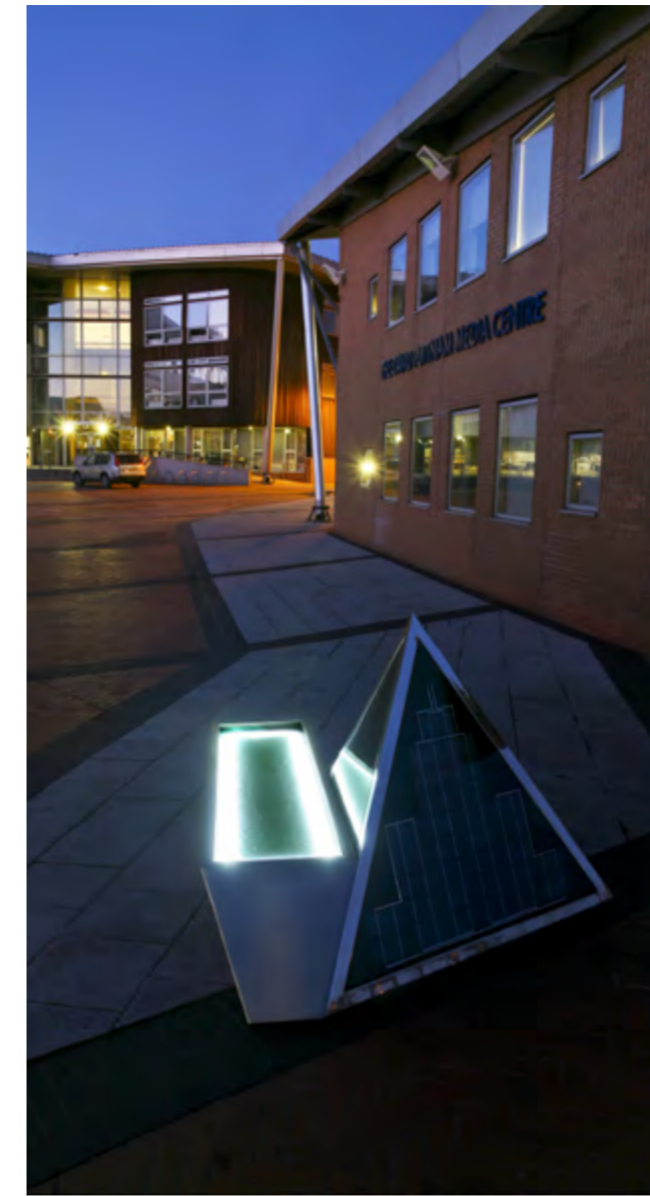
Rogier Martens is a spatial designer with a penchant for public spaces. The emphasis of his work is the interaction between people and space, particularly the influence of the user on the product. Martens prefers appliances, with an unmistakable identity, and in his designs he actively searches for an interaction with the user.

All designs of Martens are always supported by research. Not only the needs of the end user will be defined in this research process but also the problem and consequences will be taken into account. This open approach leads to special designs with great potential to use it. Martens recently, commissioned by various municipalities, realized various meeting places inviting people to use them.

Designer
Rogier Martens & Carmela Bogman

Photographer
Rogier Martens

Material
Coated stainless steel / hydraulic system



Solar Cell Seat

Public seating illuminated by LEDs which are powered by photovoltaic cells (PV cells) incorporated into the seats themselves. Enough power can be stored to light LEDs for up to 12 hours per evening in summer and 3 hours per evening in winter.

The simplicity of design, the independent unit with adjustable legs, means that it can be sited anywhere on flat surface making it a versatile and eminently user friendly solution to the public seating needs of town planners and urban designers in the 21st century.

Power supplied by 31 solar cells producing 18 volts stored in batteries sited in seat unit. It is illuminated by LED light strips installed beneath a textured laminated glass seat top.

Designer
Cate Watkinson

Materials
Laminated glass and stainless steel

Location
Sunderland, UK

Size
1.2m high x 2m long

红色用于对圆柱、大厅边墙进行视觉上的延展，地板则是淡淡的米黄色与棕色。液晶显示的海报栏安装在边墙里，最新上映的电影预告片也投射在圆柱上。红色用于对圆柱、大厅边墙进行视觉上的延展，地板则是淡淡的米黄色与棕色。液晶显示的海报栏安装在边墙里，最新上映的电影预告片也投射在圆柱上。液晶显示的海报栏安装在边墙里，最新上映的电影预告片也投射在圆柱上。



Cate Watkinson

Cate Watkinson of Watkinson Glass Associates has over 20 years experience as an architectural glass artist, designing and fabricating architectural glass to commission for a wide variety of applications. During this period she has been instrumental in developing the potential of glass in the public realm. Her projects range from decorative glass panels for public and private buildings to street furniture and sculptural public art pieces.

