**POP-UP**

The POP-UP 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 is a design of Carmela Bogman and Rogier Martens. Thetop-up is a 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 top-up and in which way. Thetop-up is made out of three retractable bollards. On these bollards aluminium sheets are attached that can be manually pumped out of the face. Several keys are spread among the neighbourhood to the different users of the furniture. These 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 calculates 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 busy area. The possibilities are endless. The Pop-Up blurs the boundaries between public and private. After using the Top-Up it is pumped back into the pavement creating a peaceful street scene without any obstacles. But if you feel like using the Top-Up, all the ingredients are right there on the street.

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 in the context. Martens' work involves appliances, with an unmistakable identity, and he designs actively matches for an interaction with the user. His design schemas are always supported by research, but only the needs of the end user will be defined in the research process but also the practical consequences will be taken into account. This open approach leads to special designs with great potential, to use it. Martens primarily, conceptualises his various municipalities, outdoor venues meeting places, creating places to sit more.

**Material**

Coated stainless steel / hydraulic system

**Photographer**

Rogier Martens

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**Solar Cell Seat**

Public seating illuminated by solids 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 a flat surface making it a versatile and user-friendly solution to the public seating needs of town planners and urban designers in the 21st century.

Power supplied by 16 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

**Location**

Sunderland, UK

**Materials**

Laminated glass and stainless steel

**Size**

1.2m high x 2m long

Cate Watkinson of Watkinson Glass Associates has over 20 years experience as an architectural glass artist, designing and fabricating architectural glass for commissions for a wide variety of applications. During this period she has been instrumental in developing the aesthetic qualities of glass in the public realm. She designs and produces bespoke decorative glass panels for public and private buildings to streets furniture and sculpture public art pieces.