



People Researchers Organisations Using Design

(EM)POWER

(TO) THE

PEOPLE

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Citizens, designers, volunteers, entrepreneurs, researchers, policy makers, health care workers, public servants: PROUD is all about the people. In the third edition of the PROUD co-design paper we give the floor to these people. They will be talking about

their experiences with co-design, and how participating within co-design projects has given them new energy and new possibilities. Peter Zec and Mugendi M'Rithaa, keynote speakers at the PROUD Forum on the 8th of May in Essen, will through in-depth interviews

give us new insights in the changing role of the designer and the way how co-design can be used for societal change. Furthermore, this issue also presents new achievements of the PROUD project.

CALL FOR PROUD GOOD CO-DESIGN

Dutch Design Week 2014, Eindhoven (NL)

For the vibrant Dutch Design Week in October 2014, we will invite (co-)design experts, professionals or non-professionals to join us in a vivid and active PROUD programme aimed at sharing knowledge and experience about the effects of co-design.

To make the programme a great success and a source of inspiration for the people we invite (co-)designers, policy officers and other owners of a co-design project to send us their practice(s) of the project. All practices are good, as the learning is in the doing.

Follow the QR code for the details on how to describe your case, which will be assessed by a team of experts. We are looking forward to learning from you!



MOVING MATERIALS – VIRTUAL EDITION

Collection digitally accessible

 <p>designer Aleksandra Goca manufacturer Casalis</p> <p>Architextile is a superbly woven 3D fabric which not only offers good acoustic insulation but is aesthetically pleasing as well. An artful combination of mat and glossy, hard and soft.</p> <p>The fabric can be applied as sound proof panels on walls or ceilings. It can also be used as a full wall covering or even to cover a side of a closet or other elements in an interior space.</p> <p>Materials used: combination of merino wool, virgin wool, polyester and cotton.</p>	<p>Koen Hermens</p> <p>Integral foamed concrete is a new material invented by Jacob Alkema and Wim Poelman. Integral foam means foam surrounded by a dense layer of the same material created directly during the production process. The production of concrete plays a substantial part in CO₂ emission worldwide.</p> <p>The use of lightweight concrete elements diminish this. In a first experiment a proof of principle was carried out successfully. With this method the weight of a pre-fab element was reduced by more than 50%.</p>	<p>Materials used: combination of merino wool, virgin wool, polyester and cotton.</p>	<p>Solar Sinter</p>  <p>designer Markus Kayser manufacturer Markus Kayser</p> <p>Sand and Sunlight, fueled by a 3D printing process with the Solar Sinter machine. The process of converting a powdery substance via a heating process into a solid form is known as sintering and has become a central process in design prototyping, known as 3D printing or SLS (selective laser sintering). By using the sun's rays instead of a laser and sand instead of resins, the designer developed an entirely new solar-powered machine and production process for making glass objects. This taps into the abundant supplies of sun and sand to be found in the deserts of the world.</p>	<p>collection are dye sensitized solar cells, glass, copper and timber.</p>
<p>Don't run - beta Shoes</p>  <p>designer Don't run - beta manufacturer de-factoir.nl</p> <p>Initiated by Eugenia Porpujo and Juan Montero, 'Don't run' - explores the possibility of a collaborative open production line for shoe making and design.</p> <p>The use of rapid manufacturing machines enable the linear culture into a local manufacture.</p>	<p>€1,- per minute design</p>  <p>designer Joris van Tubergen manufacturer €1,- per minute design</p> <p>'One euro per minute design' is a project where the printing time determines the price of the product. 3D printing contributes directly to open source design. The resulting vases, bracelets, cups etc. are made using biodegradable plastics. The products are made on demand and paid per minute, all using biodegradable plastic (PLA - Poly Lactic Acid). With digital fabrication, products can be sent all over the world via the internet. Logistics and storage is no longer necessary. 3D printing techniques use one material many times, making it easy to recycle.</p>	<p>Sugru</p>  <p>designer Jane ni Dhulchaoinigh manufacturer Sugru FormFormForm Ltd.</p> <p>Sugru is the exciting new self-setting rubber that can be formed by hand. It moulds like play-dough, bonds to almost anything and turns into a strong, flexible silicone rubber overnight.</p> <p>Developed by a team of product designers and material scientists, Sugru's patented technology is unique in its combination of hand-formability, self-adhesion and flexibility when cured. Its durable properties mean it's comfortable in extreme environments from the dishwasher to the ocean in</p>	<p>t.e. 70 / t.e. 83</p>  <p>designer Christien Meindertsma manufacturer Thomas Eyck</p> <p>T.e. introduces lighting objects as part of the 'Flax Project', a new collection designed by Christien Meindertsma. It consists of different objects, based on the contemporary handweaving of Meindertsma in perfect harmony with the traditional Dutch 16th century cordage industry. By analysing the history of this craft, she has reduced the ropery to the original Dutch material: flax. The filaments from the Dutch farmhouse, are spun in flax yarns, after which these are twisted into strands. The fresh design approach to the very old techniques as spinning, weaving, twining and splitting, has resulted in this lighting object, developed together with Zuiderzeemuseum Enkhuizen.</p> <p>Materials and Sustainability: flax ropes, knotted and braided around electricity wires.</p>	
<p>To Hold a Butterfly</p>  <p>designer Merav O. Roth</p>	<p>Net Effect™ One</p> 			

The design caravan of the Moving Materials exhibition has visited Essen, Eindhoven, Lancaster, Kortrijk, and Luxemburg. Over the past two years, new materials, innovative product applications as well as explorations from the materials master classes, have been taken on board at each location.

After this physical journey, Material Sense

developed the format further; it will present the 3D animated digital version of Moving Materials. This virtual version, to be launched in May, will open up the knowledge generated throughout the project to a larger public. A selection of materials, products and film footage from the various categories can be explored: new manufacturing techniques like laser cut DIY shoes, strong but lightweight

blown up metals or examples of Sugru: the silicon that helps fixing and modifying your personal stuff and creating product affinity. Hear the sound curtain play music, and find locally produced flax products that support products for a sustainable society. The entire collection gathered during the journey will be digitally accessible, ready to evolve further in the future. www.movingmaterials.eu