

Fabrique Publique°

Remake Ceramics takes next step!

Fabrique Publique joins forces with Coudre studio in WORTH Partnership project

Press Release, 29 May 2020

Fabrique Publique started research into the possibility of reusing broken and/or discarded ceramics as a valuable resource for new ceramics in 2017. In the past two-and-a-half years, major steps have been taken. The first step was the development of a series of plates called 'Future History', which contain 10% of recycled material. This step was followed by a series of vases ('Nature Calling'), shown at Ventura Future and at Piet Hein Eek (Dutch Design Week 2019), that already contain 30% of recycled ceramic material.

The next step is the European Partnership Project WORTH. Together with Coudre studio from Barcelona, Fabrique Publique has been selected to develop 3D clay printing with recycled ceramic materials. The WORTH Partnership Project supports partnerships between SMEs, designers, manufacturers and technology firms to create innovative and design-driven products and ideas (<https://www.worthproject.eu>).

THE CHALLENGE

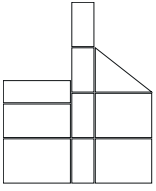
The recycling of ceramics is still rather new, as is 3D clay printing. The aim of this project is to develop more circular options for the 3D clay printing industry, by applying the ceramic recycling method, accepting the challenge to create products with up to 50% of recycled material, and if possible more.

THE SOLUTION

The project aims at a four tiered output:

- Parametric modular lamps that show the benefit of recycled material in combination with the possibilities of the 3D printing techniques developed by Coudre;
- pre-made recycled clay packages for 3D printers ready to use. The production of the packages will be outsourced to ateliers that work with people with distance to the labour market, which can also serve as collection points for discarded ceramics;
- an open source knowledge platform would make the information accessible to anyone by providing open manuals with printer and formulation documentation. This would contribute to increase 3D printing literacy and awareness that these technologies exist and can be used to produce quality, sustainable products;
- workshops and consultancy on how to 3D print with our recipe.

The idea will lead to a highly innovative cradle-to-cradle approach and products and could be replicated by other craftsmen, designers and manufacturers to reduce waste and save costs.



Fabrique Publique^o

FABRIQUE PUBLIQUE

Fabrique Publique* is a design studio founded by Hanneke de Leeuw. The starting point for their designs is often social issues (f.i. womens' rights or climate change) influenced by curiosity for shapes, materials and processes. These themes and curiosity are translated into designs (furniture, tableware), whatever suits the topic/material best.

www.fabriquepublique.com

COUDRE STUDIO

Coudre studio is a post-digital craft studio delves into the intersections of digital design and the morphogenic contingencies of materials. Coudre develops software, hardware and material recipes. Every single piece Coudre produces is unique, the product of a singular code and a particular need.

<https://coudre.studio>