

A close-up photograph of a 3D printed structure, likely made of concrete or polymer. The structure consists of numerous vertical, parallel ridges that curve slightly towards the right. The ridges are light beige or off-white in color and have a textured, slightly rough surface. The background is a soft, out-of-focus light blue-grey color.

VERTICO

3D Printing

Concrete & Polymer

Who are we?

- Founded in January 2018
- Founded after the Made in Amersfoort 3D concrete printing experiments | now De Huizenprinters
- Projects completed: 8
- Current project: Tiny House | with De Huizenprinters
- Current location: Eindhoven, The Netherlands





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Introduction

Concrete



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POWERED BY IRROBOTICS.COM



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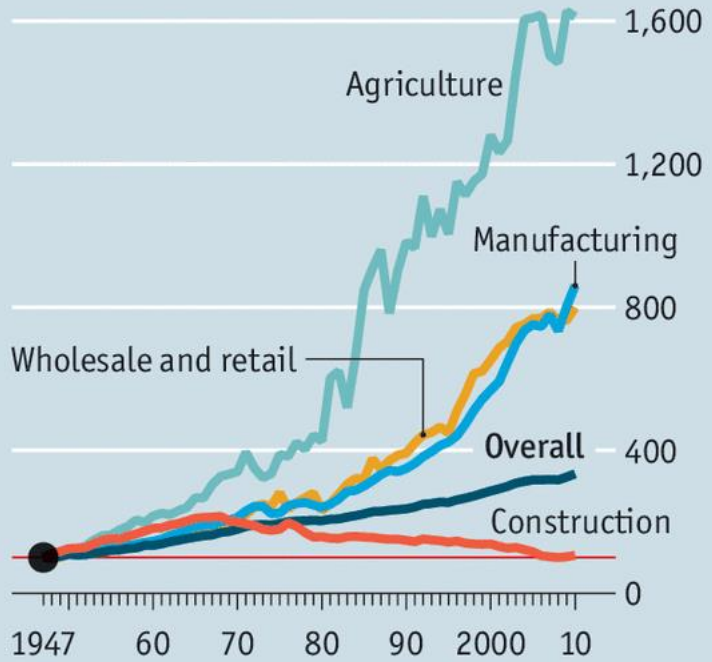
Problem

Mission / Vision

Problem

Unlearning by doing

United States, gross value-added*
Per hour worked, 1947=100



Source: McKinsey Global Institute *At constant prices

Economist.com



Problem

- Automation in the construction industry
- Digitization in Construction
 - building information modelling*
 - parametric modelling*
 - topology optimisation*
- Lack of form freedom



Mission

To be a **pioneer** in the field of **3d concrete printing**, discovering its potential by realising concepts and designs that were **impossible** before.

Vision

Creating a **new paradigm** in **construction & architecture** by **removing the barriers** of conventional manufacturing.





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Projects

Concrete









UNIVERSITEIT
GENT



VERTICO
XL 3D Printing



VERTICO
3D Printing





VERTICO
BY THE PRINTING

STORIES OF CHANGE

Munday 21 October
Exhibitor takes

STORIES OF CHANGE

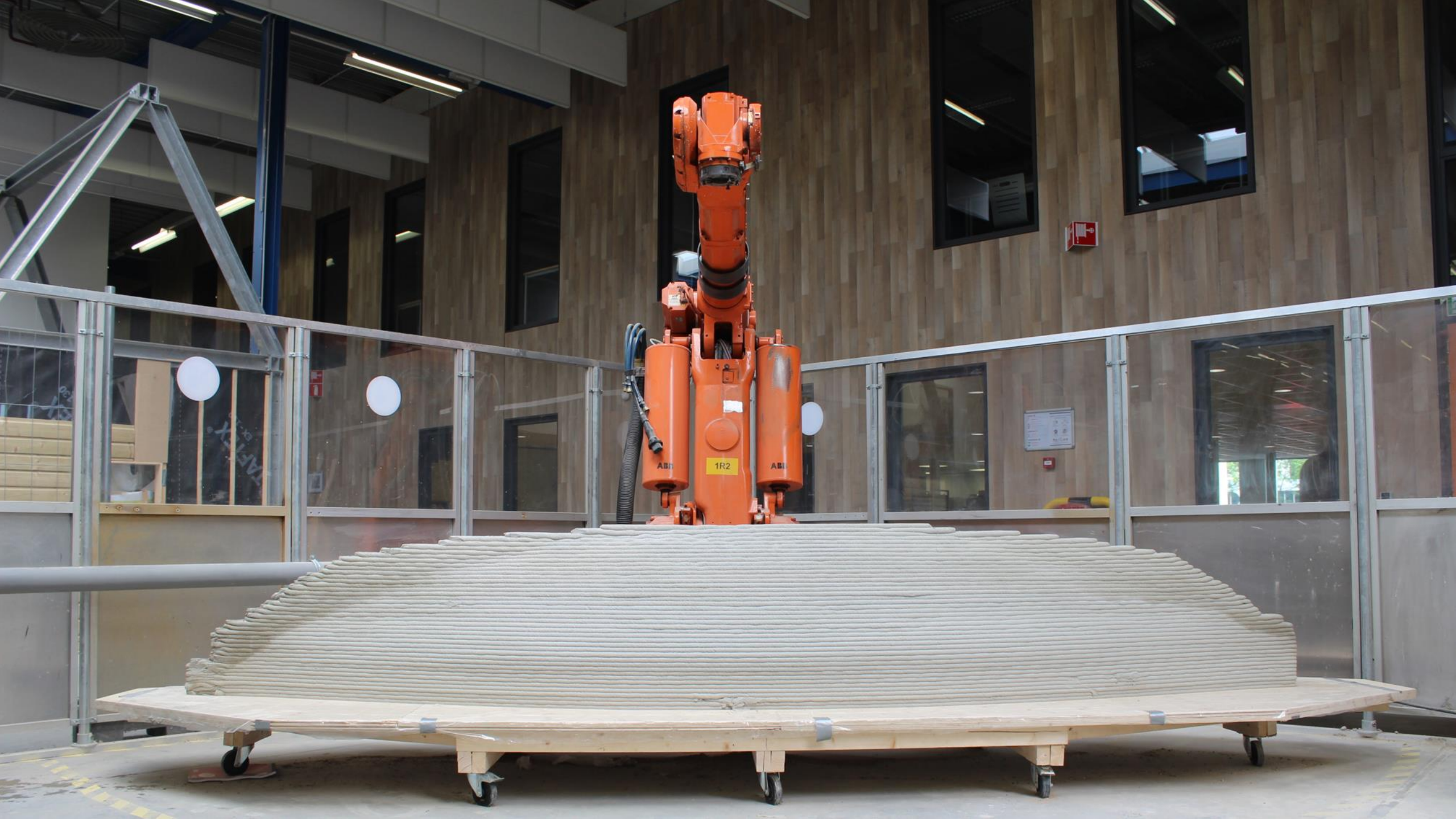
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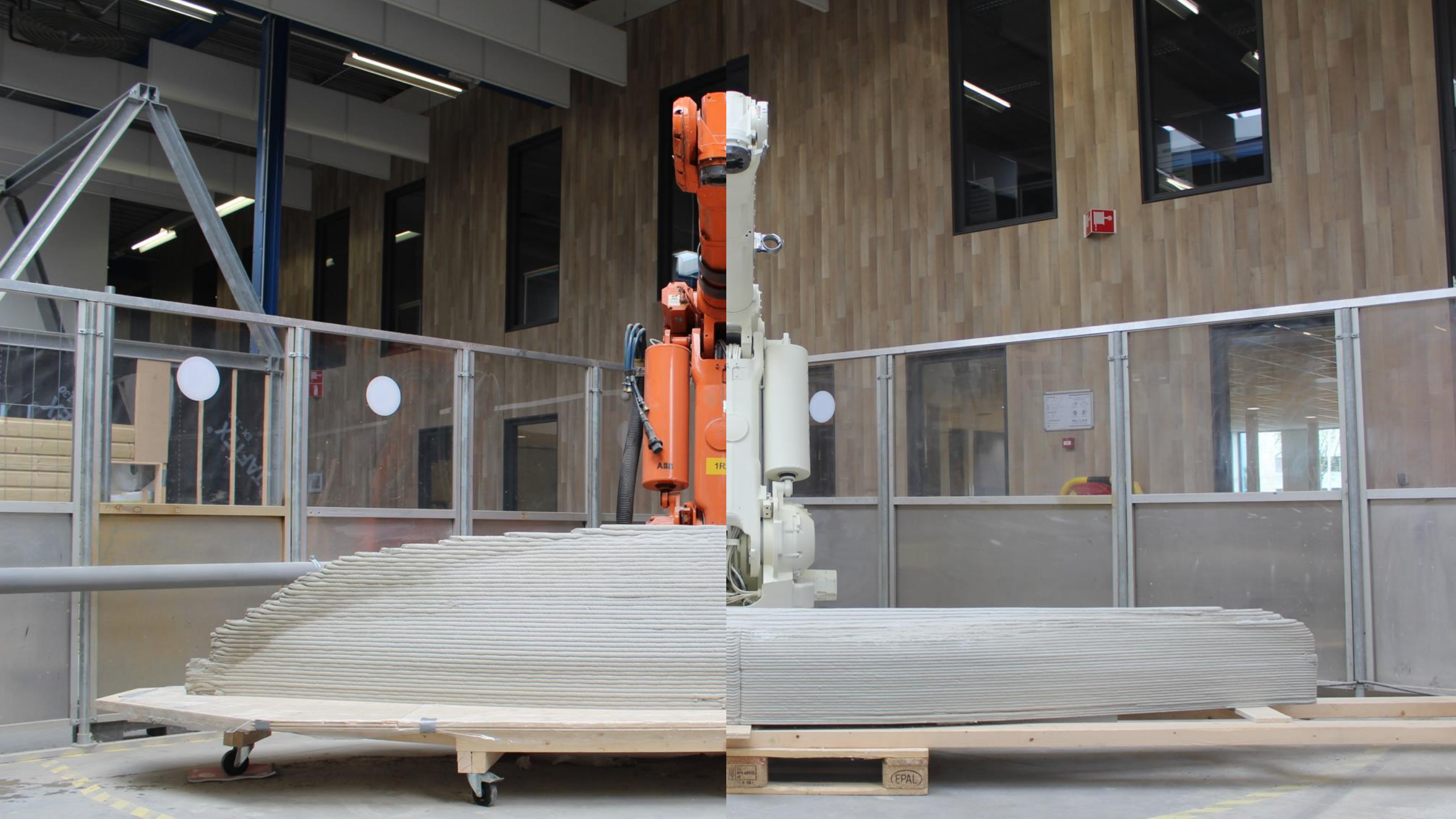
What is GCM?

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ON

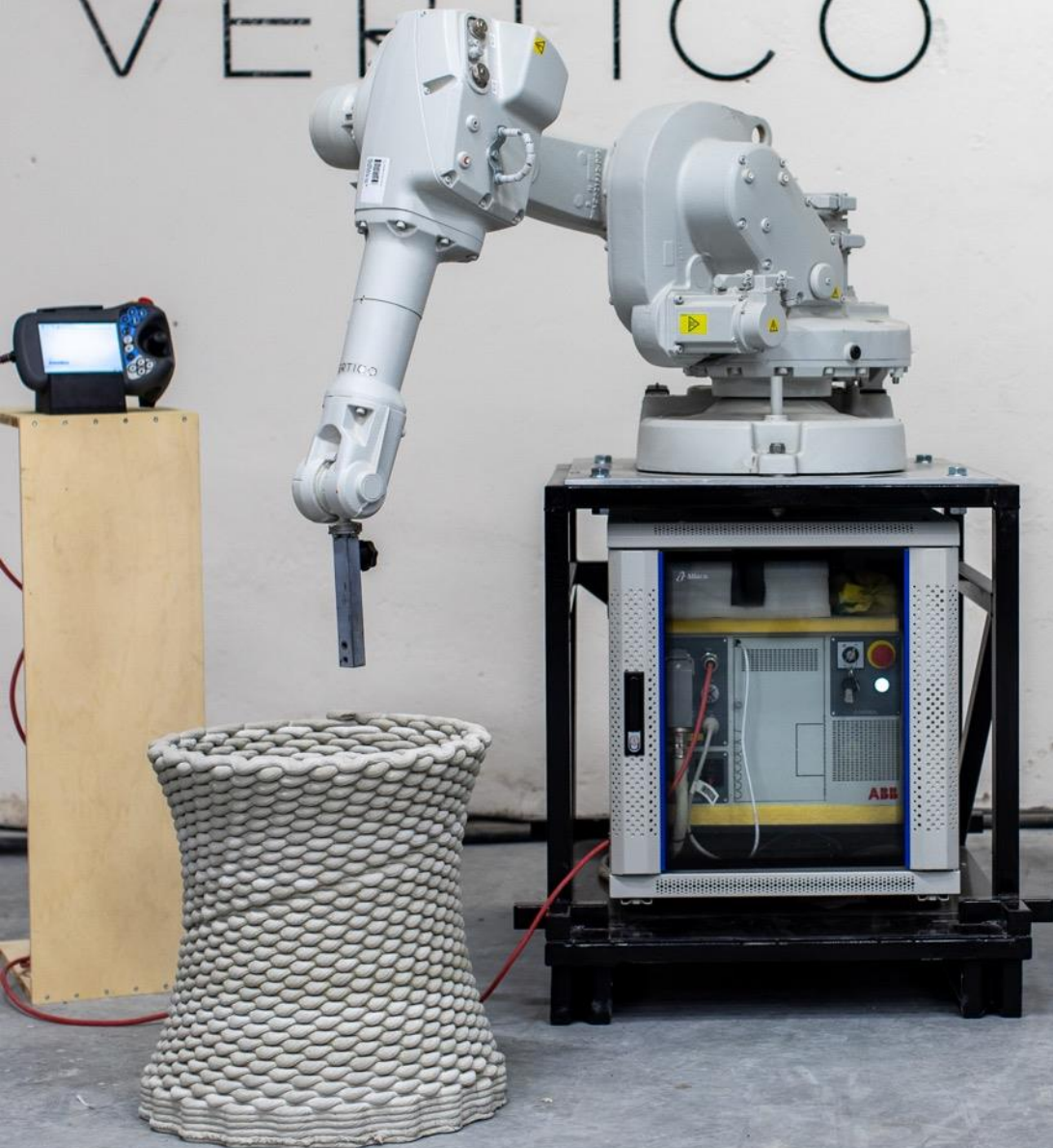








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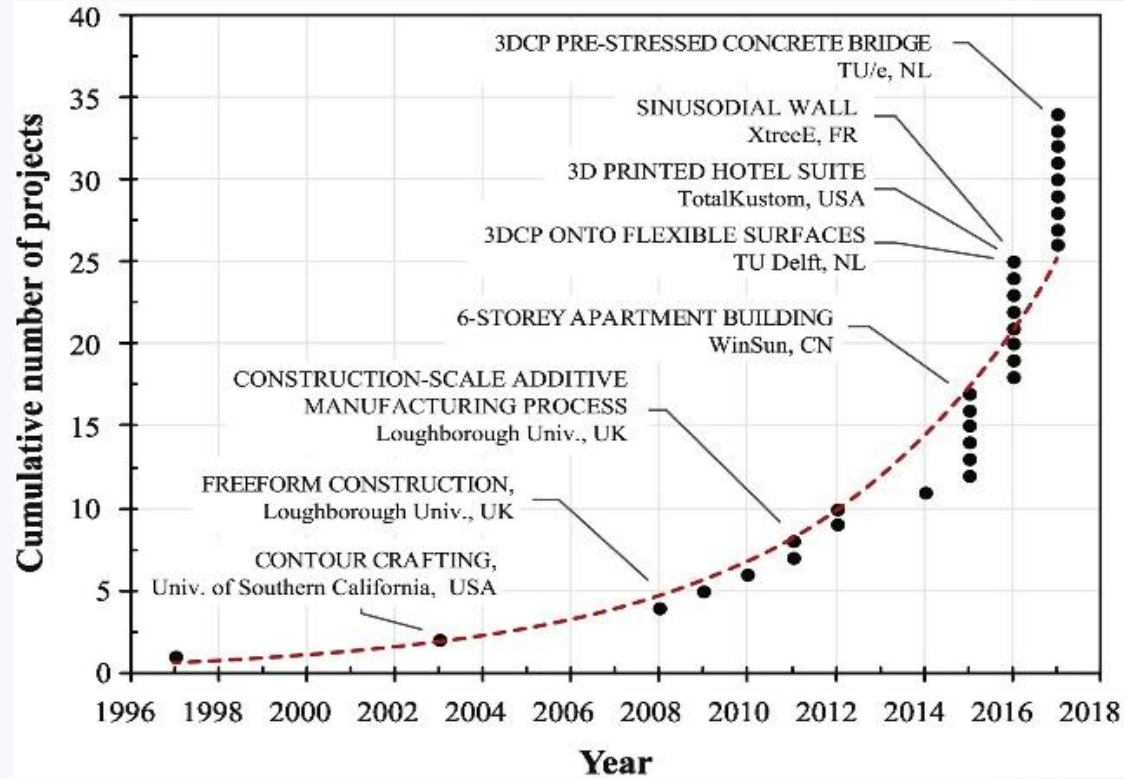


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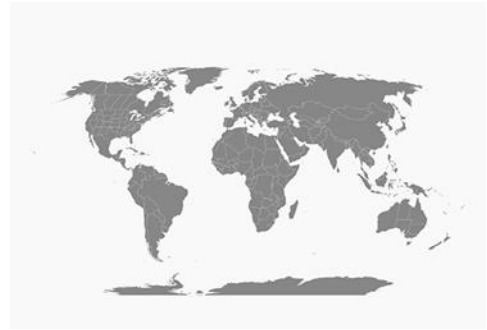
Market

Concrete printing

Market



Market



	country	printing	techn. provider
XtreeE	France	x	x
Apis Cor	Russia	x	x
ICON	USA	x	x
WinSun	China	x	
Contour Crafting	USA	x	
Incremental3D	Austria	x	
Concreative	Dubai	x	
Besix	Dubai	x	
Baunit	Germany		x
Mudbots	USA		x
CoBoD	Denmark		x

other
Witteveen+Bos
ETH Zurich
TU Darmstad
US Army Corps
Loughborough
Sika
WASP
Constructions3D
BetAbram



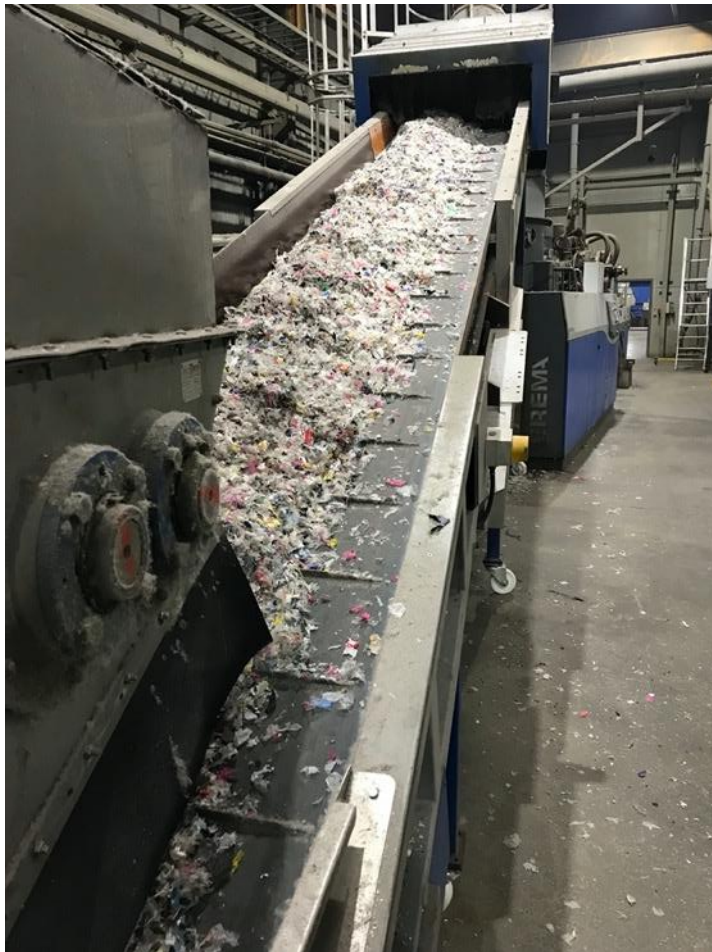
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ReMake Plastics

Robotic Plastic Printing

ReMake Plastics

Household plastics recycled and 3D printed





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