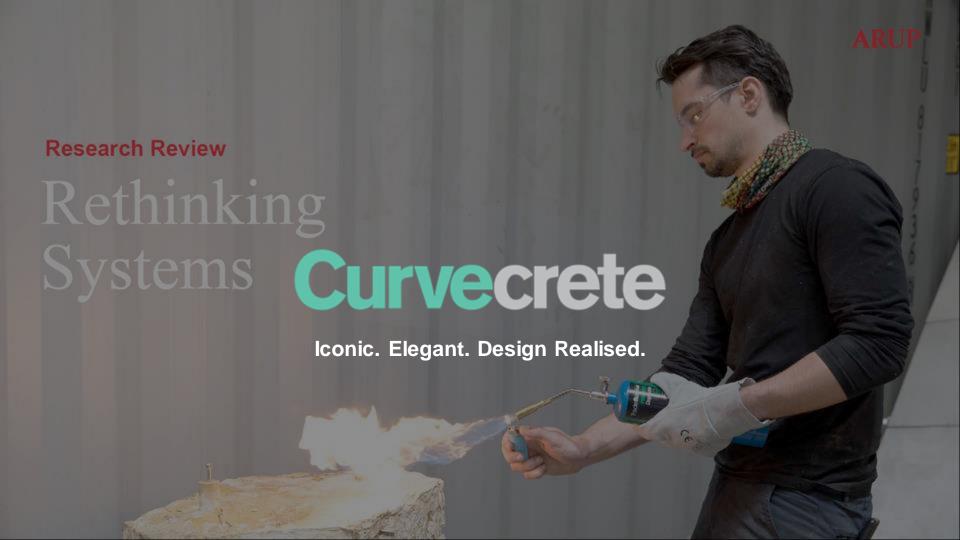
Walking the Tightrope: Architecture and Engineering; Academia and Innovation;





Curvecrete







Curvecrete can eliminate 50% material mass with...



Curvecrete

Iconic. Elegant. Design Realised.









How we do it



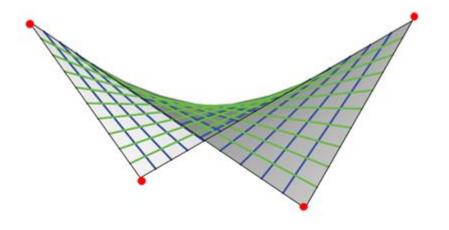


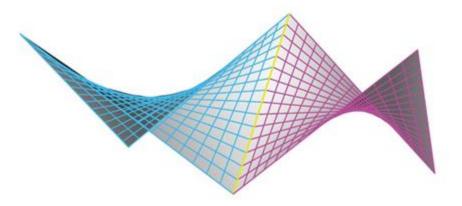
Towards: Manufacturing and selling robotic systems



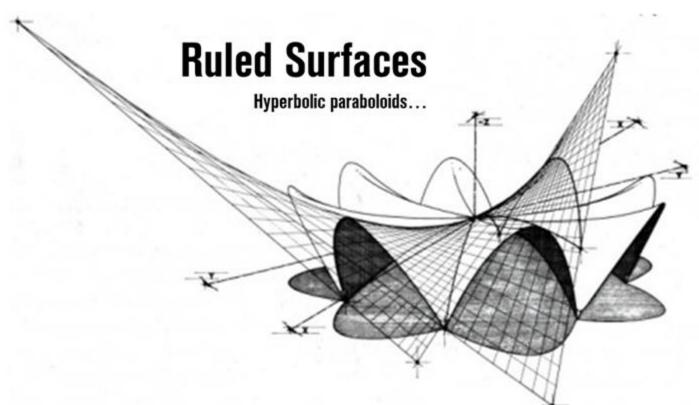
Ruled Surfaces

Hyperbolic paraboloids...



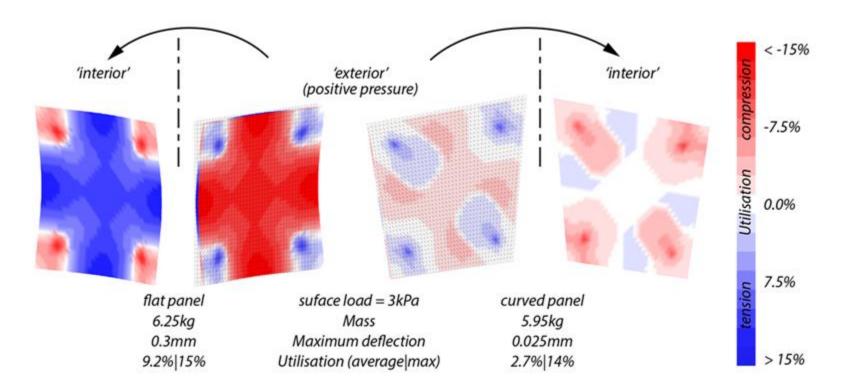


Burry, M. (2011), Scripting Cultures: Architectural Design and Programming, John Wiley & Sons inc. Pottman, H.; Asperl, A.; Hofer, M. & Kilian, A. (2007), Architectural Geometry, Bentley Institute Press.



Felix Candela Restaurant Los Manatiales, Xochimilco, Mexico

The Power of Curvature



Loh, P.; Leggett, D. and Prohasky, D. 2019. "Robotic Fabrication of Doubly Curved Façade System - Constructing Intelligence in the Digital Fabrication Workflow." In M. Haeusler, M. A. Schnabel, T. Fukuda (Eds.), Intelligent & Informed - Proceedings of the 24th CAADRIA Conference - Volume 2, Victoria University of Wellington, Wellington, New Zealand, 15-18 April 2019, Pp. 521-530. CUMINCAD.

Curvecrete mission

Curvecrete's mission: accelerate the transition to a Low-Carbon, Zero-waste, Exciting future in Construction.

Architects have always imagined beautifully curved architecture, but it was always considered incredibly expensive, complex and wasteful.

Curvecrete are an advanced manufacturer in the construction sector using robotic technology to produce beautifully curved architectural concrete panels more cost effectively, simpler, and with zero waste.



Iconic. Elegant. Design Realised.

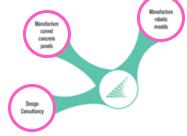
Curvecrete Network





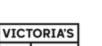




















Green Building

Point.

Advisory

Footprint

Council Australia







of Transport

and Planning



























BKK

ARCHITECTS

























ADBRI

CLIMATE

endlease

Presync

Holcim

PROPERTY



BlueScope

Coreo

mirvac





Business

































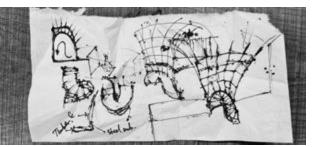


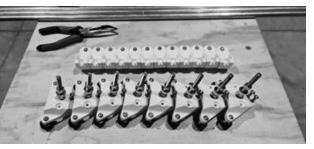


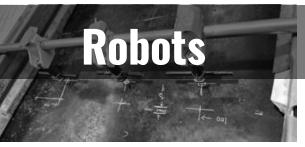
















Curvecrete Team









Rita Design



Alicia Design



Shravan Material



Arun Material



James Production



Paul Brand



Cameron Design



Luke Design



Robotics Champion



Harris Production



Production

INVESTMENT & ADVISORY BOARD



Brendon



Andrew



Navjot



Steve



Jacyl



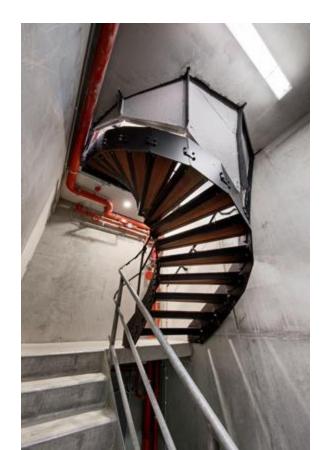


Flinders Spiral > ACG Milestone Project 1/2

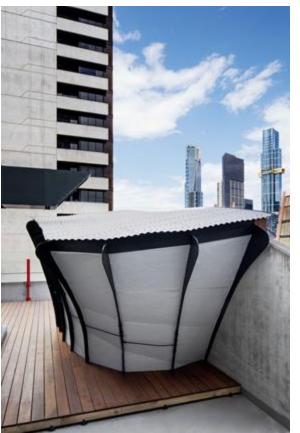
Site: L14-Roof, 546 Flinders St, Melbourne

Client: 546 Flinders St Body Corp.









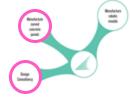








Second Completed project









Achievement | Awards

Design: We won a Gold Good Design Award 2022 for our curvy panels!





Achievement | Awards

Manufacturing: We won an Endeavour Awards,
Sustainable solution of the year, 2022 for our curvy panels!





ENVIRONMENTAL SOLUTION OF THE YEAR

Awarded to CURVECRETE CURVECRETE PANELS

Achievement | Awards

Our CEO/Architectural Engineering Roboticist is an Engineers Australia of the Year nominee, 2023!



For his persistence with Curvecrete innovation ventures, technical development in robotics with a purpose, and progressing the construction industry towards a more collaborative industry especially with further implementation of integrated architectural engineering and construction management processes.

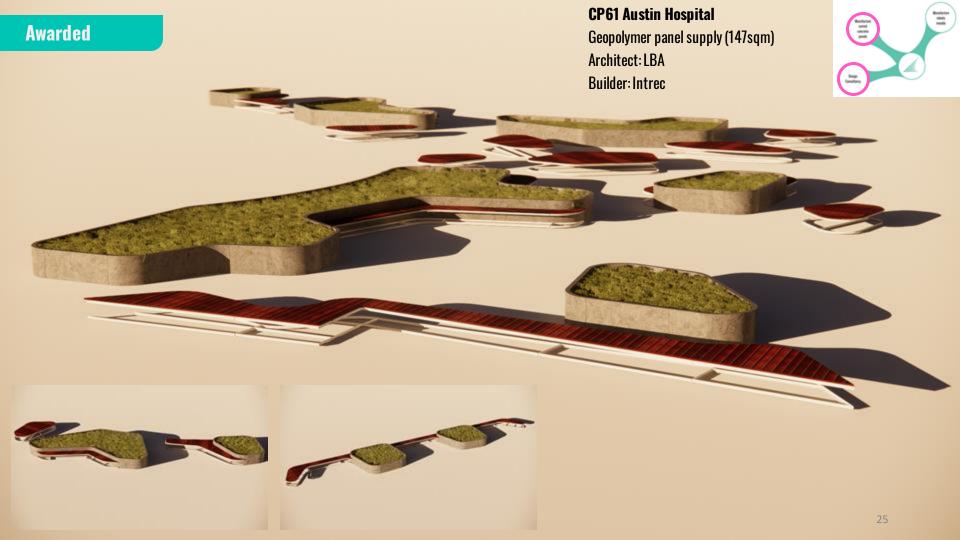


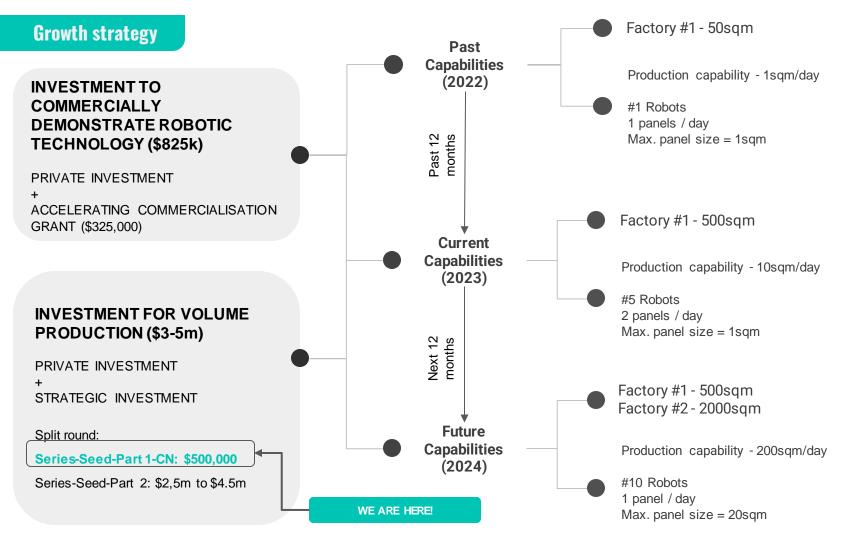




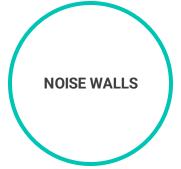








How might we deliver on sustainable solutions with Curvecrete?



EARTH RETAINING STRUCTURES



URBAN FURNITURE

