

# UAP

**[uapcompany.com](http://uapcompany.com)**

# WE ARE EXPLORERS WE ARE CREATIVES WE ARE MAKERS

We collaborate with Artists, Architects, Designers & Developers to bring uncommon creativity to the public realm & expert resources to creativity.

**We Curate, Design & Construct.**



# CURATE

- Public Art Masterplans and Strategies
- Artwork theming
- Artist procurement and management
- Public programming
- Strategic partnerships

# DESIGN

- Dedicated artist and architect support
- Development of design concepts
- Fabrication and installation methodology review

# BUILD

- Project management
- Technical Documentation
- Fabrication
- Installation



# ABOUT UAP

OUR LOCATIONS + GLOBAL PROJECTS

UAP

5000+

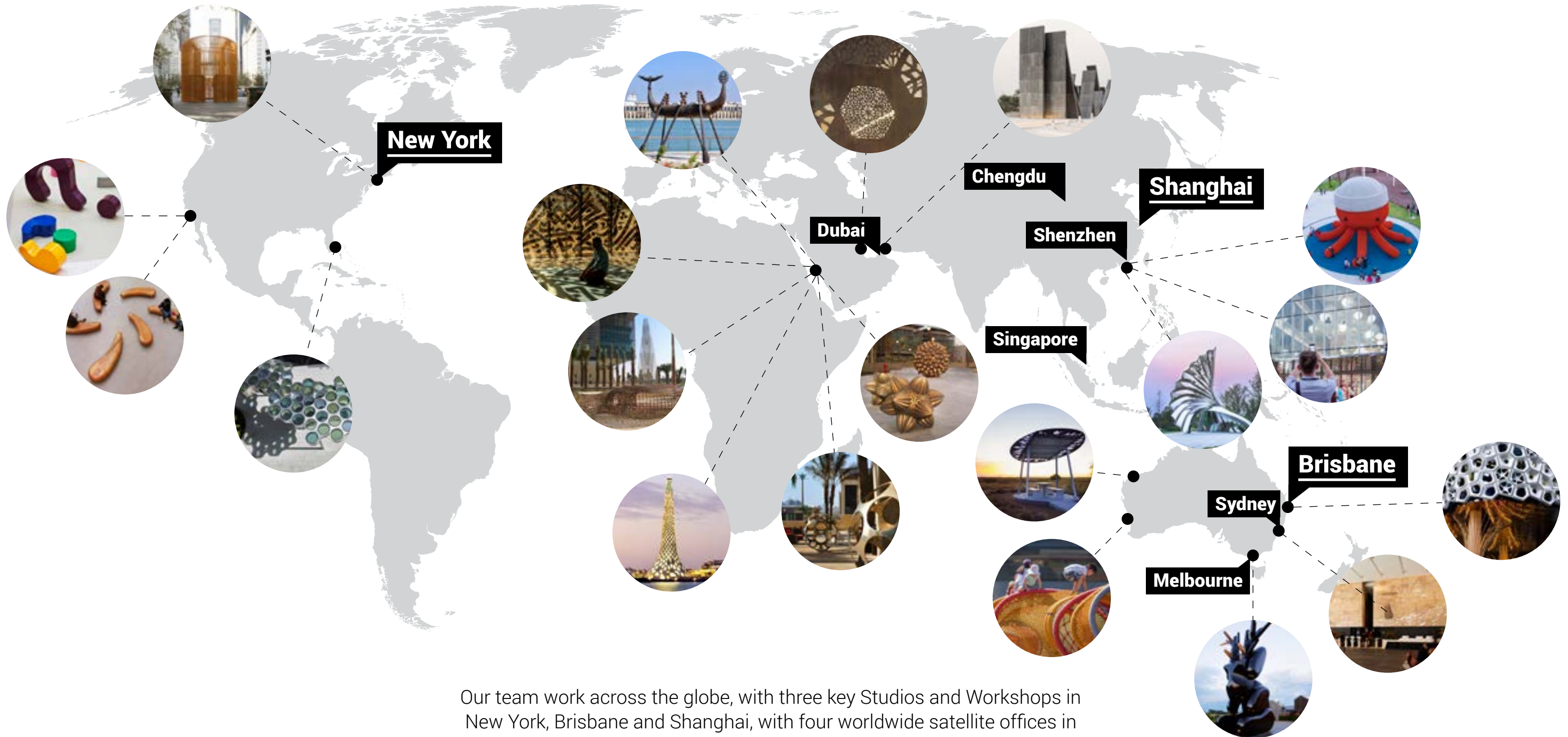
Projects delivered globally

2600+

Creatives we have collaborated with

300+

Projects UAP are delivering right now



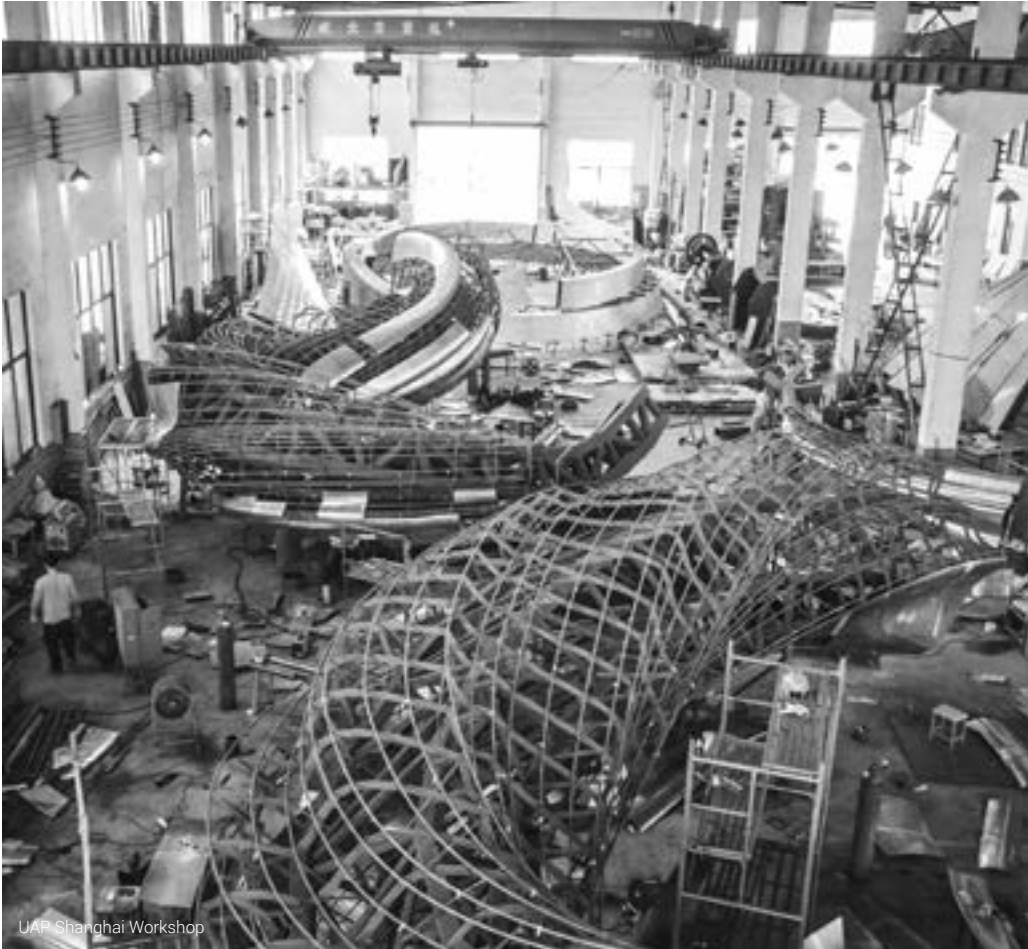
Our team work across the globe, with three key Studios and Workshops in New York, Brisbane and Shanghai, with four worldwide satellite offices in Detroit, Shenzhen, Singapore and Melbourne.



UAP Brisbane Workshop

**30 DESIGNERS**  
**20 TECHNICAL DOCUMENTATION TEAM**  
**10 PROJECT MANAGERS**  
**2 ADVANCED MANUFACTURING ROBOTS**  
**AUSTRALIA’S LARGEST DEDICATED ART FOUNDRY**

**UAP AUSTRALIA**  
Home to 100 employees and a 5,000m²workshop spread through two buildings, UAP Australia is the country’s largest art foundry. Also our Advanced Manunufacturing base, UAP Brisbane is home to a state-of-the-art robotic ARM which is able to produce prototypes and moulds for casting, as well as an advanced 3D printer and waterjet cutter. We have delivered projects out of Brisbane for 25 years, and have a highly skilled team of pattern makers, painters, foundrypeople, fabricators, finishers and installers as well as a Technical Design team who work alongside the workshop staff utilising VR/AR to accelerate the Design Development process.



UAP Shanghai Workshop

**50 DESIGNERS**  
**5 PROJECT MANAGERS**  
**500 FABRICATORS**  
**10 PROCUREMENT SPECIALISTS**  
**10,000M² WORKSHOP**

**UAP CHINA**  
The UAP Shanghai workshop is a unique fabrication set-up.Associated with our design studio that incorporates 55 staff, UAP has exclusive access to a fabrication shop with a floorspace of over 10,000m²with 500 craftspeople. Specialising in old-world techniques such as traditional panel beating, the majority of UAP’s China projects are fabricated within this workshop, as are up to 75% of our North American projects and 45% of the Middle East, South-East Asia and Australia projects.



UAP Polich Tallix Foundry

**10 DESIGNERS**  
**5 PROJECT MANAGERS**  
**100 FABRICATORS**  
**7,500M² WORKSHOP**  
**NORTH AMERICA’S LARGEST DEDICATED ART FOUNDRY**

**UAP NORTH AMERICA**  
Consisting of 115 employees within a 7,500m² workshop, this is North America’s largest art foundry. With over 50 years of rich experience and long-standing relationships with influential artists, architects and designers across the United States, Polich Tallix Foundry located in Walden, New York have turned concepts, models and digital files into bronze, gold, silver, steel, aluminum, iron and silver works of art. Combining traditional techniques with world class craftsmanship and benefits of modern technology. It is the only foundry in the US with a metallurgist on staff. The age-old technique of lost-wax casting is practiced here.





KEHINDE WILEY

RUMORS OF WAR, TIMES SQUARE, NEW YORK

UAP

RUMORS OF WAR

KEHINDE WILEY  
2011

IN THE FIGHT AGAINST  
DIATRICAL  
CANCER

For more information  
[indaiHopeonWheels.org](http://indaiHopeonWheels.org)



**JUDY WATSON**

NGARUNGA NANGAMA: CALM WATER DREAM  
TANK STREAM

UAP





**ZAKPAGE**

SYDNEY, AUSTRALIA

*WELLAMA: BARANGAROO WELCOME TO COUNTRY*

UAP





**ZAKPAGE**

SYDNEY, AUSTRALIA

*EYES OF THE LAND AND THE SEA*

UAP









**ROBERT ANDREW**  
GARABARA, UNIVERSITY OF SYDNEY

UAP

















# We are developing new ways to use robots & vision systems for design-led manufacturing.

A joint collaborating with UAP, the IMCRC, Queensland University of Technology and RMIT University — the Design Robotics project focuses on utilising robotics, vision systems, and user-centred software interfaces to streamline the process between design and custom manufacturing.

## PARTNERS

**UAP**

IMCRC



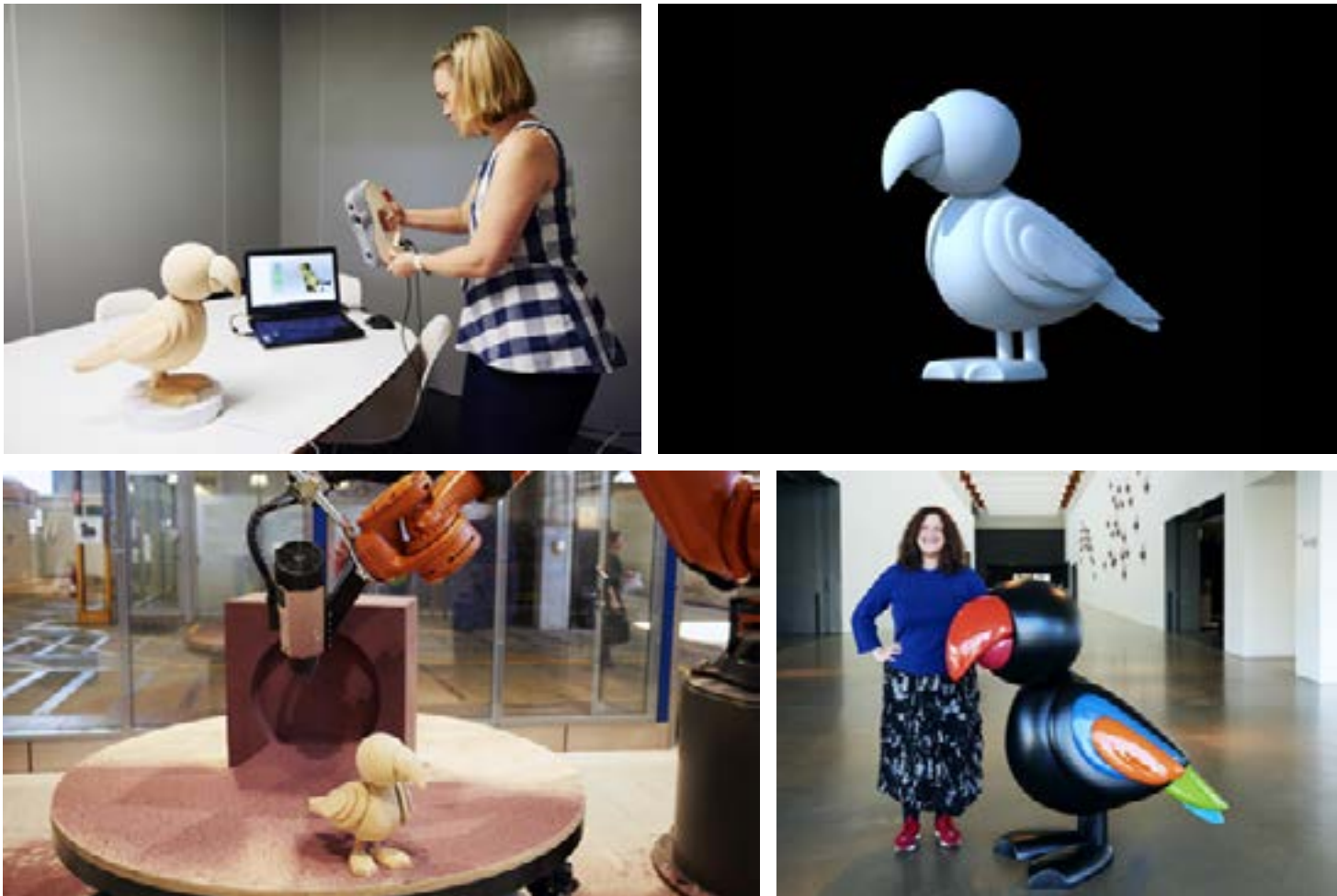
## CONTRIBUTORS

LAING O'ROURKE





Scanning, VR technology and robotic mould production  
has allowed UAP to **RE-SHORE** manufacturing.



Emily Floyd (artist) – *Poll*

'Poll' is an artwork edition by Melbourne based artist Emily Floyd. The artwork, which UAP would usually manufacture in our Shanghai workshop for cost reasons, was 'on-shored' to Australia due to cost benefits associated with scanning and robotic technology. UAP used Ditto Labs to scan the artists model, then digitized and up-scaled the artwork to allow robotic cutting of the artwork directly into resin sand – removing the need for traditional pattern-making. Approximately 50 hours of robotic operation allowed 800 man-hours to be on-shored for the production of 5 x 'Poll' artworks.

Collaborators:





Sculpting ‘patterns’ entirely in **VIRTUAL SPACE** provides enormous creative flexibility, shorter delivery program and reduces waste.



**80 Collins St Façade**

Oculus Medium is a VR sculpting and pattern-making program UAP’s 3D and pattern-making teams are utilizing to transform the way we work in the design studio and on the workshop floor. Sculpting in Virtual space breaks the barriers between desktop design and traditional pattern-making. It is faster and more flexible, reduces costs associated with material wastage and, we believe, will offer future opportunity should plug-ins for real-time estimation or real-time engineering be developed. For the 80 Collins Street project in Melbourne, UAP is utilizing Oculus Medium to sculpt façade panels entirely in virtual space.

Collaborators:





**WOODS BAGOT**  
80 COLLINS STREET FACADE



Woods Bagot with UAP — 80 Collins Street Facade, Melbourne



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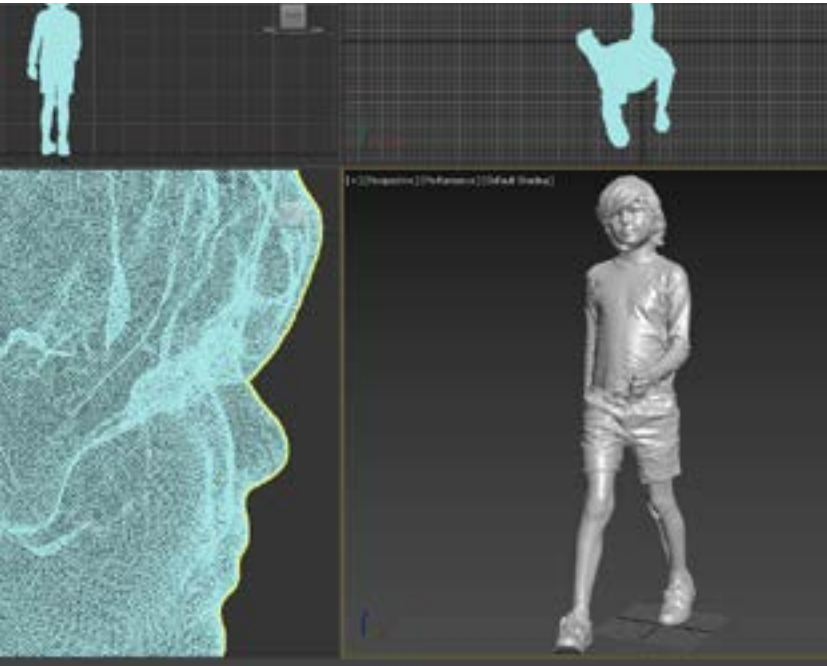


**RONNIE VAN HOUT**  
BOY WALKING

UAP









AR | Digital documentation & Hololens  
used for assembly on workshop floor



**Katrina Tyler (artist) – Newport Waterside**

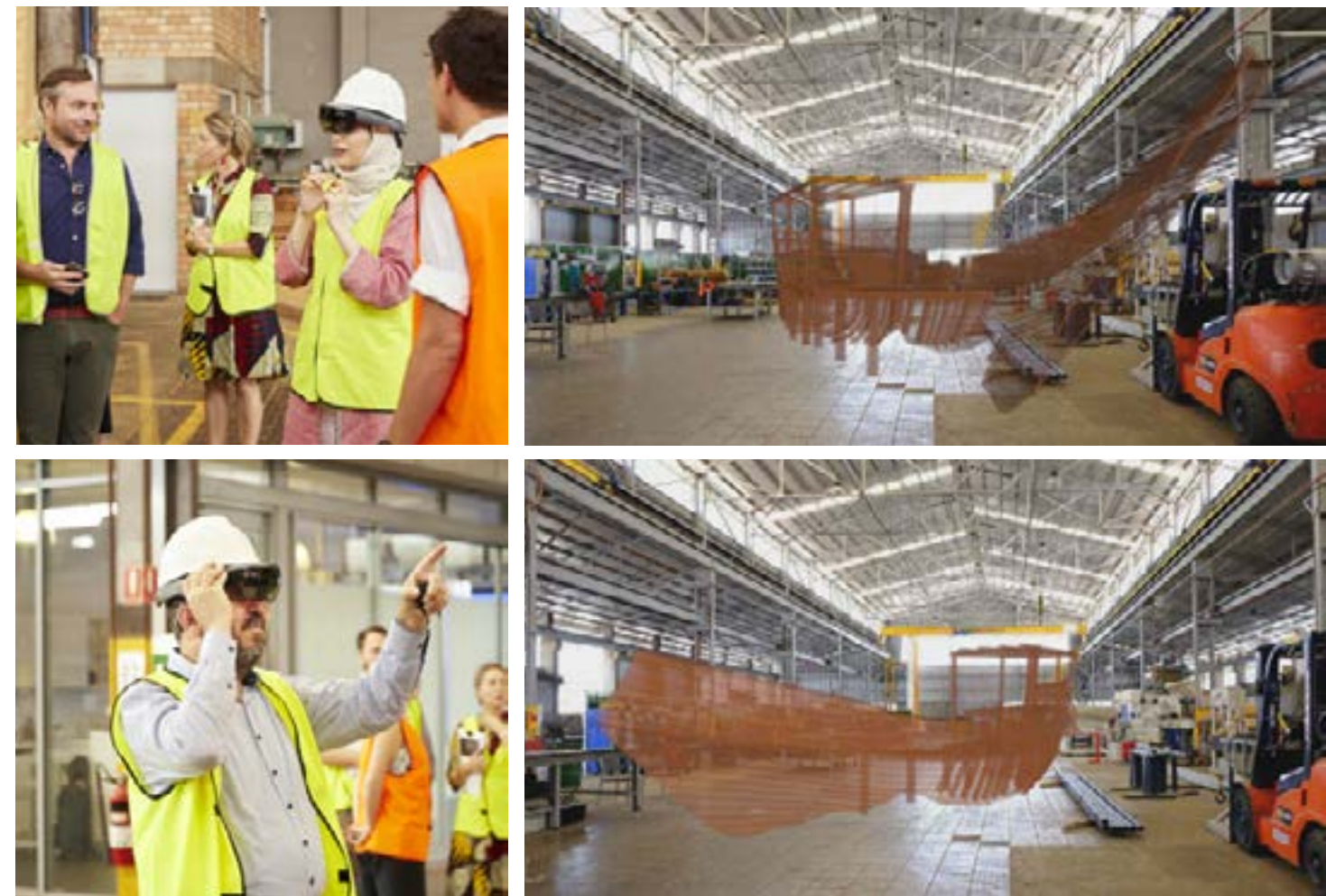
Katrina Tyler’s artworks for Newport Waterside, Melbourne, are complex forms assembled from 5 types of repetitive elements. Safety requirements including finger / limb and head entrapment meant assembly had to be completed accurately to meet strict criteria. Utilising Digital documentation and Hololens to guide assembly and welding on the workshop floor, guaranteed accuracy and reduced labour hours.

Collaborators:





AR | Digital documentation & Hololens to enhance client experience



National Museum of Qatar

UAP is currently fabricating a complex large-scale playground to be installed in the Middle East. The project is on an accelerated timeframe, and it's complexity and scale are both difficult to fully comprehend from the drawing package alone. AR + Hololens technology was used to enhance the clients' understanding of the project during a prototype inspection on the workshop floor.

Collaborators:

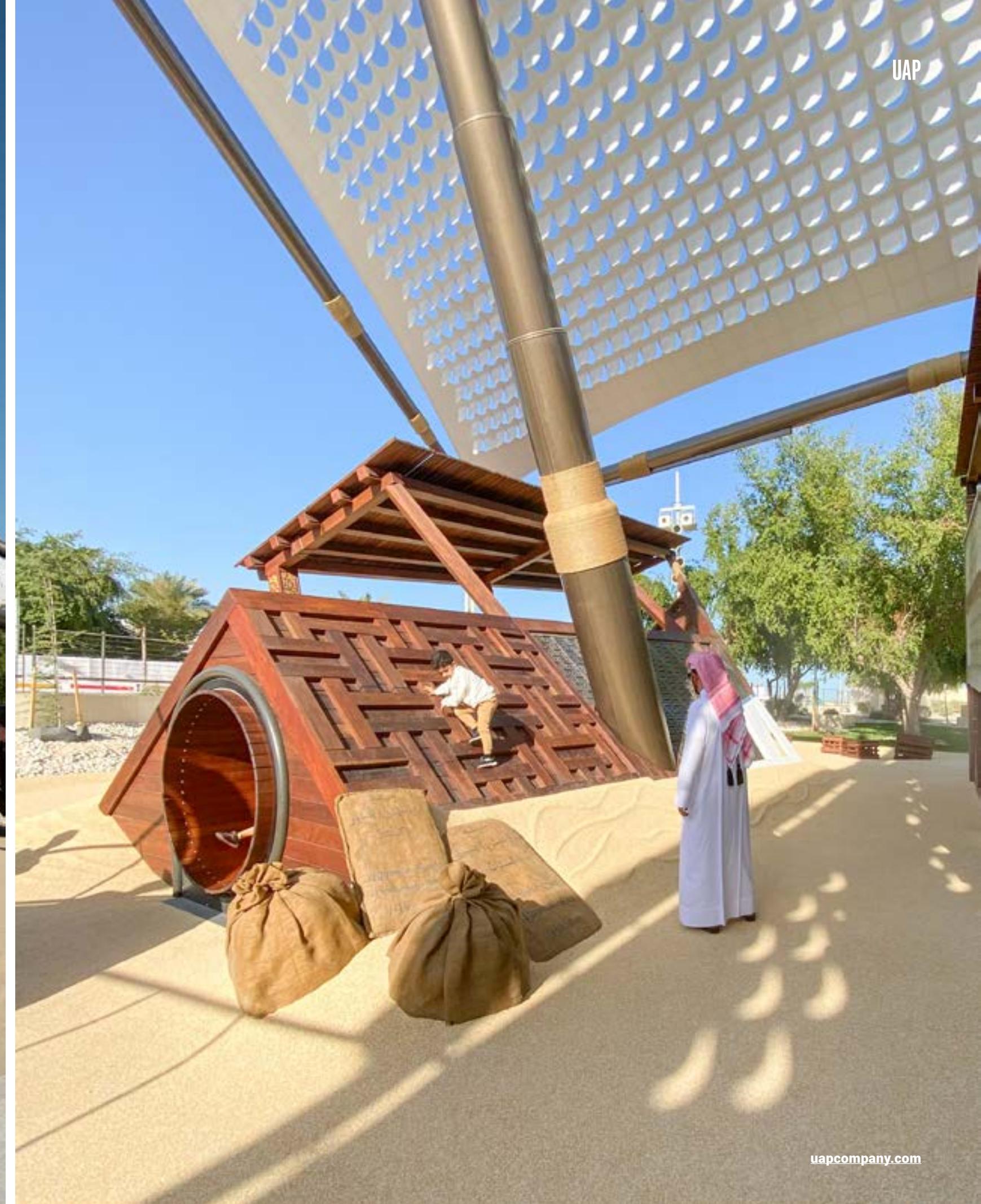
MIDDLE EAST  
CLIENT

UAP





**NATIONAL MUSEUM OF QATAR**  
ADVENTURE SHIP PLAYScape



UAP



As a commercialisation partner with RMIT's Architectural Robotics Lab, UAP is utilising the latest 3-D printing techniques to print projects.

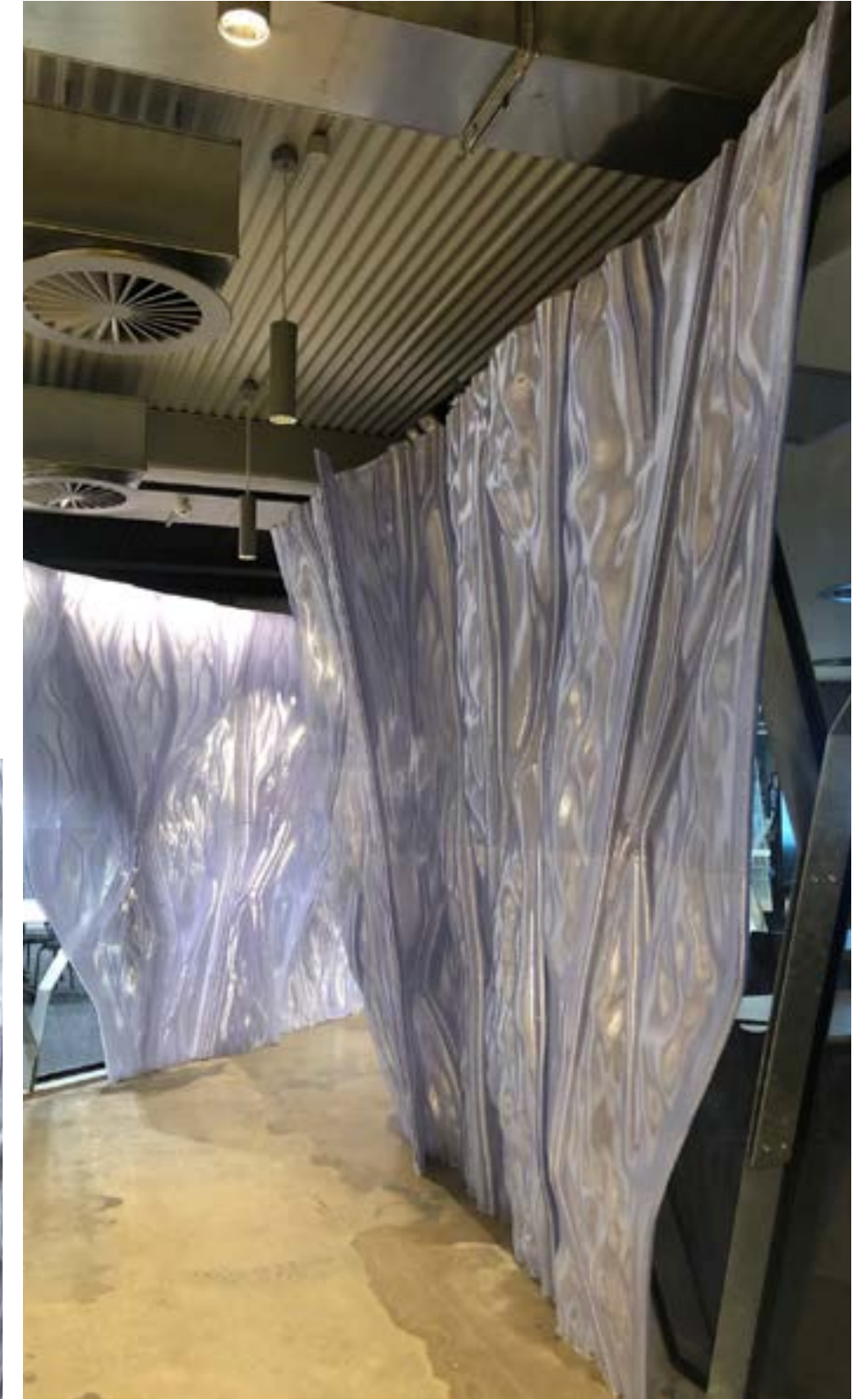






Image: Leonardo Drew with UAP North America – *City in the Grass*, Madison Square Park, New York





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