

YARRA POOL

Let us take you back to the beginning.

To the river for a swim.

OUR VISION



PROJECT BRIEF

The Yarra Pool is a proposal to re-introduce recreational swimming in the Yarra River. The floating pool will be accessible to all, safe and separated from the impure brown surface river water for which the Melbourne's waterway is famous.

A PROTOTYPE

In mid-2015, Matt Stewart of Yarra Swim Co teamed up with Monash University Associate Professor Dave McCarthy, an esteemed researcher with a focus on Yarra River water quality.

Together they began trialling a new system for water filtration that could allow a floating pool to be safe for swimming year round. The technology utilises the natural tidal processes of the river and taps into the Yarra's sunken salt water wedge.

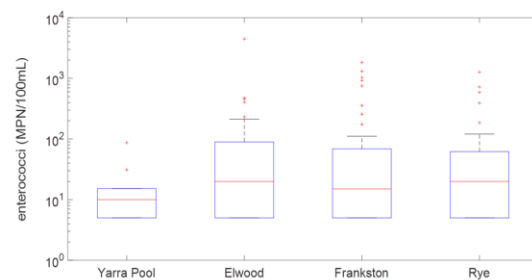
Stewart and McCarthy constructed a prototype and, thanks to the help of Parks Victoria, tests were conducted at Burnley, and for three weeks in Victoria Harbour at Docklands.



THE RESULTS

The results from testing indicated significantly reduced concentrations of faecal bacteria *E. coli* and enterococci. Conditions inside the pool were generally more favourable than those experienced at Port Phillip Bay's beaches, where bathers flock in summer months.

- **AN AVERAGE REDUCTION IN ENTEROCOCCI LEVELS > 92%**
(AS COMPARED TO THE RIVER)
- **CATEGORY (A) SWIMMING QUALITY IN ALL BUT 1 SAMPLE**
(THE REMAINING SAMPLE WAS CATEGORY B)
- **MUCH CLEANER WATER THAN MOST BAY BEACHES**
(MANY OF WHICH ARE CATEGORY D)



THE TECHNOLOGY

The pool assembly technology, which has a patent pending, involves the extraction of clear salt water from the Yarra's naturally occurring 'salt wedge'.

The same technology could be applied in other estuarine river systems around the world to allow swimming where pollution has made it unsafe. Many of the world's biggest cities are situated on estuaries, just like Melbourne. These include New York, London, Venice and Hong Kong.

A provisional patent has been filed by Yaro Technologies, a company set up by Stewart, McCarthy and entrepreneur, Jeremy Newman.

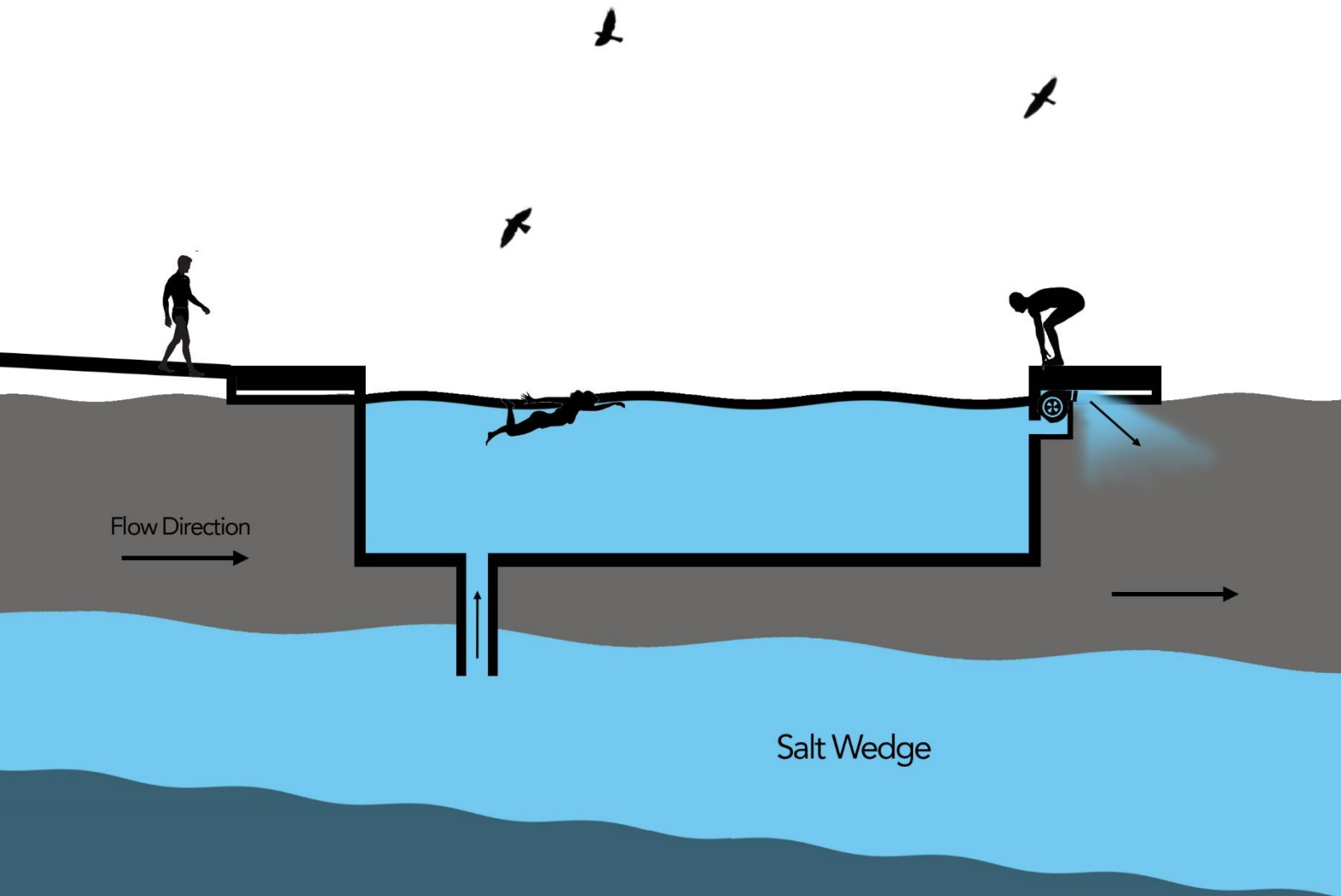
The Yarra Pool would be the first project in the world to use this approach to construct a public swimming pool.

A rigorous testing regime, with a specific focus on the Yarra's inner city stretch, is planned for mid-late 2016.

(See over page for diagram)

OUR TECHNOLOGY

(PATENT PENDING)



The pool assembly extracts water from the salt wedge below the Yarra's surface. This water is salty and of higher quality than the upper layer of the river.

An outlet port and pump remove water from the pool interior, allowing it to be continually replaced through the lower inlet.

OUR TEAM

Dr David McCarthy

Associate Professor
MONASH UNIVERSITY



Matt Stewart

Team Leader, Sustainability
UNIVERSITY OF MELBOURNE

President,
YARRA SWIM CO



Jeremy Newman

General Manager
CHOMPY HQ

Founder & CTO
PORTPLUS



SUPPORTERS

ARUP

ARUP is one of the most respected engineering and design services companies in the world. They continue to offer ongoing advice for Yarra Pools, including assistance with costings, and are keen to expand their involvement.

COMMITTEE
MELBOURNE^{FOR}
Future Focus Group

The Committee for Melbourne unites the city's leaders and organisations toward a brighter Melbourne future. Building and operating a pop-up Yarra Pool is the project of a Future Focus Group in 2016/17.



The Australian Pavilion at the 2016 Venice Architecture Biennale is titled The Pool. It looks at the cultural significance of the pool in Australia's history and identity. Yarra Pools will be featured in the exhibition when it opens in late Mar.

STUDIO
OCTOPI

Studio Octupi is the UK based Architecture firm behind the Thames Baths project. They have offered business and project advice and assisted with mock-up designs.

PAUL LUMICISI

Paul Lumicisi has founded and managed some of Melbourne's finest dining establishments, including Degraes Espresso, The Supper Club, and The European. He sees great potential in the Enterprize Park site, and is open to collaboration moving forward.