

Resume of **B.J.A. (Bart) van Bueren** (白汎埔)

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I'm a PhD student at RMIT school of Business and Law, on the subject of 'circular economy ecosystems'. In 2007, I earned 2 master's degrees with honors from TUDelft. Three years later, my graduation project got realized as a 1.100m² floating pavilion in the harbor of Rotterdam. Although this was an exceptional start for an architecture career, I choose to focus on consultancy for sustainability and climate adaptation. Currently, I've worked 6 years in consultancy and 6 years in academics, both on cutting edge innovations in various technical disciplines. I've won 6 prestigious awards and I attracted 30+ innovative projects. I've been involved in setting up Taiwan's first circular economy: education program, building and consultancy service.

Work Experience

- 2019-now **RMIT PhD student** (Melbourne, Australia).
On circular economy ecosystems at the School of Business and Law.
- 2019-'19 **Renato-Lab, circular economy consultant** (Taipei, Taiwan).
My main role was developing a toolkit for circular economy consultancy to manufacturers.
- 2012-'19 **國立成功大學 NCKU, visiting expert** (Tainan, Taiwan).
At National Cheng Kung University, I was hired by departments of Architecture, Industrial Design, Creative Industries (ICID), Water Management, Life Sciences and Mechanical Engineering. Task were lecturing, workshops, research, industry collaboration, projects and international relations. The subjects include design thinking, circular economy, sustainability, climate adaptation, innovation and entrepreneurship. My team set up Taiwan's first education program on circular economy.
- 2014-now **Taiwan Dutch Design Post, director** (Tainan, Taiwan).
I set up this platform to boost the creative industries collaboration between the Netherlands and Taiwan, in which I welcomed 80 Dutch Designers. www.facebook.com/dutchdesignpost
- 2008-now **Waterarchitect, owner** (Rotterdam, the Netherlands)
My company on consultancy in delta design, from floating buildings to sustainable urban climate adaptation strategies. www.waterarchitect.com
- 2007-'08 **DeltaSync, cofounder** (Delft, the Netherlands).
I am one of the five founders. My responsibilities were in representation, sales, project leading and execution of architecture and engineering. We accomplished to build my architecture graduation project; a 1.100m² floating pavilion in Rotterdam. www.deltasync.nl

Education

- 2003-'07 **Delft University of Technology, Master in Building Technology** with Honors (top 8%), final grade: 9.
- 2003-'07 **Delft University of Technology, Master in Architecture** with Honors (top 8%), final grade: 9. My thesis project combined two Master degrees in the project 'Living Bridge in Dordrecht'. I transformed a river into an urban structure with floating buildings. I made a detailed design of a floating pavilion, which caught the attention for World Expo Shanghai 2010 and eventually Rotterdam commissioned it into a project.
- 2006 **Delft University of Technology, Honors Program.** Extracurricular certificate for top ~25 Delft students, with additional research in ethics and the synergy of architecture and technological innovations.
- 2004 **Massachusetts Institute of Technology, exchange.**

Papers

- Bueren, B.J.A. van, Leenders, M.A.A.M. & Nordling, T.E.M. (2019):
Case Study: Taiwan's pathway into a circular future for buildings.
BAMB SBE19, IOP Conf. Ser.: Earth Environ. Sci. 225. ([full article](#))
- Bueren, B.J.A. van & Wang, H.W. (2018):
Lessons Learned in the Paths of Developing a Multidisciplinary Certificate Program.
ASEE Conf. ([full article](#))
- Gunawan, T.A., Lin, H.W. & Bueren, B.J.A. van (2018):
Sharing Platform Model as Library Innovation of University Student Community in Taiwan.
Vol.4-3 Int. J. of Management and App. Sci. 104-107. ([full article](#))
- Chen, J.R., Yao, G.C. & Bueren, B.J.A. van (2016):
The vibration serviceability of floating building.
Vol.98 Taiwan J. of Architecture 53-70. Awarded as excellent research paper. ([full article](#))
- Bueren, B.J.A. van & Goh, Y.S. (2016):
Internationalizing SMEs in Creative Industries via Triple Helix Strategy.
Int. J. of Culture and Creative Industries. ([full article](#))
- Bueren, B.J.A. van, Matsuoka, R.H. & Chen, Y.J. (2015):
Floating rotating house; Case study of a Tainan fisherman's house design.
Int. Conf. on Amphibious Architecture, Design and Engineering. ([full article](#))
- Rooij, S. van, B.J.A. van Bueren, Kuijs, E. & Verduin, E. (2011):
Case study on application of islands in shallow foreshores of deltas: Salt reduction in the Haringvliet with Balance Island.
Books: Delta Water Award and DeltaAlliance Young Prof. Award. Two awards. ([full article](#))

- Graaf, R.E. de, Bueren, B.J.A. van, Czapiewska, K., Fremouw, M. & Kuiper, M. (2006): *Floating City IJmeer: Accelerator for Delta Technology*.
Book: Royal Haskoning Deltacompetition. Awarded first prize. ([full article](#))
- Keynote speaker on 20+ international events, globally.

Highlights

- 2019 Renato-lab Circular Economy Toolkit. Taiwan's first circular economy consultancy service for manufacturing industries and other enterprises.
- 2018 Circular NCKU certificate program. Taiwan's first circular economy education program. Along the program, we also set up a student club, a MOOC and a collaboration with Rotterdam Business School. I attracted a 2 year EU Erasmus+ KA107.
- 2018 Holland Pavilion at Taichung World Flora Exposition.
A 300m² pavilion to demonstrate Circular Economy, with my contribution as CE advisor.
- 2014-'19 Floating Gardens in Tainan and Cebu. 20 Experimental gardens for improving ecology, farming, urban life and flood defense.
- 2014-'18 Coordinating 20 projects on social and sustainable design.
Funded by Tainan Culture Affairs, Taiwan MoE, RVO Netherlands and Creative Industries NL on behalf of NCKU and Taiwan Dutch Design Post.
- 2012 Delta Alliance Young Professionals Award and Delta Water Award. Two times first prize with our *Balance Island* proposal of a building-with-nature solution to reduce salt intrusion into a river.
- 2010 Patent *Floating Construction Foundation for greenhouse farming utility*. NL2005108C.
- 2010 Rotterdam Floating Pavilion a 1.100m² floating pavilion. The design received global attention as an icon for climate adaptation and sustainability. The design is derived from my graduation work.
- 2009 South-Holland prize winner with a proposal for service boats to facilitate shrinking and aging communities, with D. Schuwer.
- 2008 Young Technical Professional of the year. Kivi Niria and NLEngineers awarded me as most promising engineer under 36 from all the Netherlands.
- 2007 NCRV Climate show first prize on Dutch national television presenting floating urbanization, with R.E. de Graaf.
- 2006 First price Deltacompetition. Our winning paper *Floating city IJmeer* received wide attention internationally. In a team with four students I created the urban design. My artist impressions are published 300+ times worldwide.