



## MATTHEÛS MARTINUS (MATTHIJS) BOUW

### PRINCIPAL & FOUNDER

One Architecture, Amsterdam  
One Urbanism, New York

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Matthijs Bouw is a Dutch architect and founder of One Architecture (est 1995), which focuses on urban design and resilient architecture. He currently serves as the Rockefeller Urban Resilience Fellow for Penn Design at the University of Pennsylvania.

Mr. Bouw has been a guest professor at, a.o., TU Delft, Berlage Institute, TU Graz, University of Kentucky College of Design and Sci-Arc, and was professor I.V. of 'Gebäudelehre und Grundlagen des Entwerfens' at the RWTH Aachen. A leading voice on Resilient Design, he has published several dozen papers and given numerous talks to both students and professionals on incorporating resiliency into design practice. Bouw's own practice is known for its unique approach in which programmatic, financial, technical and organizational issues are addressed, communicated and resolved through design. Bouw has been a pioneer in the use of design as a tool for collaboration, for instance through the development of 'Design Studios' as an instrument to support the Netherlands' Ministry of Infrastructure and the Environment with its long term planning, and in community-development projects.

### EDUCATION

Anglo American School of New York, International Baccalaureate, 1987, high honors

Technical University Delft 1987-1995, Faculty of Architecture, degree in building engineering and architecture, specialization: construction informatics, Master of Science in Architecture

### PROFESSIONAL EXPERIENCE

Founding director of One Architecture, 1995 –  
Founding principal, Dutch Water Design, 2012 -

Editor Wiederhall, 1995-1997  
Editor De Architect, 1996

### ACADEMIC APPOINTMENTS

- Guest professor, thesis advisor, The Berlage, Delft
- Rockefeller Urban Resilience Fellow, PennDesign, University of Pennsylvania, 2014-
- Professor of Architecture and Urban Design, Fontys, Academy of Architecture, Tilburg, 2003-2004
- Prof. i. V. Gebäudelehre u. Grundlagen des Entwerfens (Chair of Building Typology and Design Techniques), RWTH Aachen, 2006-2008
- Sunderland Professor of Landscape Architecture, University of Kentucky, College of Design, 2009

### PRIZES AND AWARDS

- 2015 Institute Honor Awards for Regional & Urban Design, The American Institute of Architects
- Architectural Review MIPIM Future Award 2015
- The William H. Whyte Award for creativity and ingenuity in planning, APA, New York 2014
- The Silver Holcim Award 2014 for North America
- APA National Planning Excellence Award, 2015
- Architizer A+ Awards, Masterplan Category Winner (Jury's Pick) - Dryline/Big U
- 2015 Architizer A+ Awards, Architecture + Rendering Winner (Jury's Pick) - Dryline/Big U
- Rebuild by Design, The Big U, winner, 2014
- Global Holcim Awards Bronze Competition Urban Villa Hilversum, 1993, with NL Architects and Michiel Snelder, second prize
- Competition Polizeihauptamt Berlin Koepenick, with Van Berkel & Bos architectuurbureau, 1995, 1st prize
- Stiegl/ASK multiple assignment and masterplan, Salzburg, client: Magistratur Salzburg, Gutsverwaltung Rochushof, 1996, first prize
- Competition, Bouwen aan de Dijk, 1998 (with Noël van Dooren), second prize
- Multiple assignment: square, town hall extension, housing, hospitality pavilion, Krimpen a/d IJssel, client: Kunstgebouw / gemeente Krimpen a/d IJssel, 1999 (with Berend Strik), first prize
- Neanderthal, Duitsland, competition, 2000, (with Noël van Dooren), second prize
- APM Stations at Schiphol Airport, 2001, first prize
- Emscher Landschaftspark, competition, client: Emscher Genossenschaft, Stadt Esen, KAV, 2002, first prize
- Levende Stad, Provincie Zuid Holland, 2004, first prize
- Health Center St. Jozef Deventer, Hedy d'Ancona Award for excellence in health care architecture, 2010, honorable mention

## SELECTED PROJECTS

### RESILIENT DESIGN

- Rebuild by Design, The Big-U, proposal for community-driven flood protection in Lower Manhattan, competition, client: HUD/Sandy Task Force (co-lead of the BIG team, with BIG, Starr Whitehouse, James Lima Planning & Consultancy, Level infrastructure, Buro Happold, Arcadis, Green Shield Ecology, AE Consultancy, Project Projects). 2014
- Lower Manhattan Coastal Resiliency (LMCR), Concept Design & Feasibility Study for protective coastal infrastructure, New York, 2016 (- 2018)
- Climate Ready East Boston & Charlestown, Planning study for protective urban infrastructure, Boston, 2017
- East Side Coastal Resiliency (ESCR), Concept Design for protective urban infrastructure. New York, 2015
- Dwarka Water Strategies, proposals for a New Delhi New Town, client: Creative Industries Fund nl (with arch-I Platform, Studio Makkink-Bey, Alterra), 2014
- Albertkanaal, making Antwerp's second largest industrial site resilient in terms of energy and water, client: Antwerpen Municipality, 2015

### INFRASTRUCTURE/TRANSIT DEV. & PLANNING

- Extension Genua Container Harbor, design, client: Genoa Harbor Authority, Italy, 2001- (with Marcel Smets), (in realization phase)
- Knooppunt Beverwijk, transformation strategy and masterplan for Beverwijk's station area, client: Beverwijk Municipality, Ministry of Internal Affairs, 2015
- Wijkverbinding Rivierenwijk en Inpassing Amstellaan, 2 viaducts, tunnel, 3 ha park and public space, client: gemeente Deventer, 201-2014.

### BROWNFIELD REDEVELOPMENT

- Emscher Landschaftspark, competition, client: Emscher Genossenschaft, Stadt Essen, KAV, 2002, first prize
- Kop van Isselt, Amersfoort, strategic planning for a 16 ha brownfield adjacent to the city center, development strategy, client: gemeente Amersfoort, 2008
- Buisklosterham, area development of a 20 ha brownfield site in Amsterdam-Noord, client: Stichting Coöperatie Buisklosterham
- Albertkanaal, making Antwerp's second largest industrial site resilient in terms of energy and water, client: Antwerpen Municipality, 2015

### SMART CITIES/INNOVATION DISTRICTS

- Eindhoven Hackable World City, study into the use of 'smart city' technology for a 'metropolitan' Netherlands, client: Vereniging Deltametropool, 2012
- A Mies for All, study into the influence of digital technology in the real-estate and building sector, 2012-client: Stimuleringsfonds Creatieve Industrie
- Amsterdam Hackable Metropolis, research into the use of 'smart city' technology for a Amsterdam, 2013-2014, research project with the University of Amsterdam and The Mobile City
- Smart City: What if? research project examining the significance and policies of Smart Cities, client: Ministry of Infrastructure and Environment, 2014

### STRATEGIC PLANNING

- Ontwerpatelier Deltametropool, organization and content for a complex design studio researching the future of the Randstad, client: Bureau Rijksbouwmeester, ministerie VROM/DG RO, 2002-
- Den Haag Structuurvisie, organization and content of ten workshops with diverse stakeholders aimed at formulating a long term development vision, client: gemeente Den Haag, 2002 (met Jaap Modder)
- Verkenning naar sleutelprojecten na 2020 (key national projects after 2020), client: ministerie van VROM, Den Haag, 2009
- Delhi 2050, consultancy on the long term development of New Delhi, with Arch-i, 2013
- Baukulturatlas 2030/2050, study for the long-term development of Germany, with Raumtaktik, client: BMVBS, BBSR, 2012-
- Design Olympische Hoofd Structuur 2028 (Olympic Main Infrastructure 2028), client: ministerie van VROM, 2010 (with ZJA)

### RESIDENTIAL MASTER-PLANNING

- Tbilisi Riverside, master plan for the left bank of the Mtkvari River, 16 ha, client: Georgia Reconstruction and Development Company, 2007
- Gouda Oost, urban renewal of a 5.000 inhabitants neighborhood, client: gemeente Gouda, 2008-
- Deventer Rivierenwijk, urban renewal of a 4,500 inhabitants neighborhood, strategic advice, urban planning, process management, client: Rentree, 2010 -