



Prof. Dr. Ronald E. Waterman, MSc
Civ. Eng. / Env. Eng. / Chem. Eng.



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Present Functions and Activities

- Senior adviser to the Ministry of Infrastructure & Water Management for:
 - Coastal & Deltaic Zone Development, Land Reclamation
 - Infrastructure & Water Management and Environment
- Senior adviser to the Ministry of Economy & Climate, Directorate-General for Foreign Economic Relations for:
 - Coastal & Deltaic Zone Development, Land Reclamation
 - Bio-based Economy & Environmental Affairs
- Senior adviser to the Rotterdam Port Authority for:
 - Integrated Coastal Policy, Land Reclamation
 - Port & City Development
 - Infrastructure & Environmental Affairs
- Adviser of the Province of South-Holland
- Adviser to the Municipality of The Hague for:
 - Integrated Multi-functional Land Reclamation
- Adviser Netherlands Water Partnership
- Visiting lecturer at several Dutch universities, a.o. Erasmus University, Rotterdam; Netherlands Maritime University, Rotterdam; Delft University of Technology, Delft; Wageningen University & Research Centre
- Professor Delta Academy, Vlissingen
- Director Data Transmissie
- Director Foundation Building with Nature®
- Deputy Director Association Region Water
- Proactive founder and adviser Deltares

Expertise

Designer/co-designer of a series of plans based on Integrated Sustainable Multi-Functional Coastal & Deltaic Zone Development via **Building with Nature®**:

Plan Scheveningen-Hoek van Holland; Slufterdam; Maasvlakte 2 (Rhine Plain); Seaport Marina IJmuiden/Kennemer Lake & Beach; Katwijk Seaport with dune-beach widening on each side.

Active in 56** countries in the field of Sustainable Multifunctional Land Reclamation using the method of Building with Nature®.

Contributions to many international congresses in the field of large and small scale land reclamations based on the principle of Building with Nature, including sustainable coastal & deltaic zone development.

Worldwide experience in the field of integrated multifunctional sustainable coastal & delta zone development and management, using methods that at the same time strengthen the economy and improve the environment, while ensuring optimal use of the available space.

Specialist also in the fields of bio-based economy & infrastructure: roads, railways, pipelines and waterways including **Aquapuncture®**. Aquapuncture refers to the optimal use, experience, adaptation and management of inland waterways and their waterfronts for safety, water storage, water level regulation, water quality, navigability, economy, employment, environment and nature-landscape.

Background

Chemical Engineering, Environmental Engineering, Civil Engineering at Delft University of Technology, M.I.T., Illinois Institute of Technology.

Awards & Honours

- Prize for “Future oriented thinking for the benefit of mankind” from the Society of Dutch Consulting Engineers (ONRI) - 1982.
- Special Science Prize for his work related to land reclamation from the Bataafsche Genootschap voor Proefondervindelijke Wijsbegeerte, Rotterdam - 1992.
- Medal for his contribution to Dutch water/land engineering in general and coastal zone development including land reclamation in particular - 1992.
- Volker Stevin Innovation Prize for Project Development Management System - 1993.
- International Prize (USA) for the Master Plan concerning multi-functional land reclamation (14,000 ha, of which 10,000 ha land and 4,000 ha water) in Taiwan.
- Medal Universidad Maritima de Chile for integrated coastal zone development - Vina del Mar - 1994
- Plaque of Appreciation for extending advance training and cognition in the field of land reclamation and coastal management in the Philippines - 1994.
- Van Scherpenberg Communication Award - 1994.
- Special recognition for reclamation design in the Bay of Jakarta - IKANED-Seminar - 1996.
- AVBB (Bouwend Nederland) - Award for design & realization of various large and small scale projects in the field of integrated multi-functional sustainable coastal zone development - 1996.
- Van Heemst trophy for excellence in government (Province of South-Holland) - 1999.
- Plaque of Appreciation for the Sustainable Development of the Laguna de Bay Environment Project - The Philippines - 2001.
- Mr. D.U. Stikker plaque (2003) and Thorbecke plaque (2008) for great merits and dedication.
- Chosen as best Member of Dutch Regional Parliaments – 2007.
- Gouden Lis Medal of the Province of South-Holland - 2008.
- Special award: ‘From Vision to Realisation – From Plan Waterman to Sand Engine’ (2011).
- Establishment of the R.E. Waterman Sustainability Award - 2012.
- Innovation Award ‘Aquapuncture’ World Canals Conference 2016.
- Nomination IHS Dredging and Port Construction Innovation Award 2016 for ‘Aquapuncture’ Methodology.

Knight in the Order of the Dutch Lion - Officer in the Order of Oranje-Nassau

Various

- Member Royal Institute of Netherlands Engineers
- Member Royal Netherlands Chemical Society
- Member Board of Delta Professionals
- Member Inland Waterways International
- Member Royal Flemish Academy of Belgium for Science & Arts.

***) The Netherlands, Belgium, United Kingdom, Ireland, France, Monaco, Italy, Spain, Portugal, Sweden, Norway, Poland, Latvia, Estonia, Slovenia, Bulgaria, Romania, Turkey, Egypt, Israel, Palestine Authority, Jordan, United Arab Emirates, Oman, Qatar, South-Africa, Sri Lanka, Singapore, Malaysia, Indonesia, Brunei, Philippines, India, Bangladesh, Thailand, Vietnam, PR China, Korea, Japan, Argentina, Brasil, Chile, Colombia, USA, Mexico, The Caribbean, Australia, New Zealand and other countries.