

Aqua-Terra Nova

First introduction

Aad Wubben

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Aqua-Terra Nova

Initiated in 1996 as a one-man consultancy, now an enthusiastic team of 10 experts.

Research & consultancy company in:

- Spatial planning & environment
- Ecology
- Water management



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Brown

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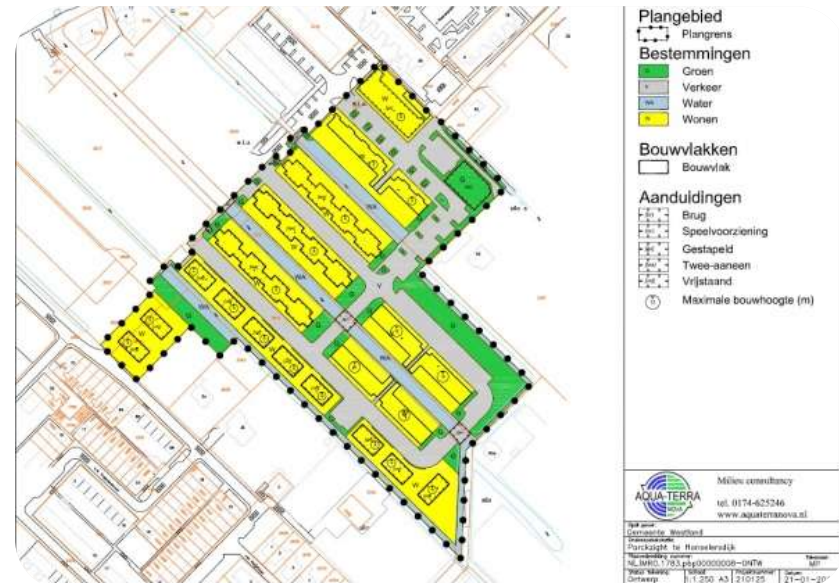
Our team:



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◎ Spatial planning

- Environmental impact assessment
- Acoustic studies
- Archeology
- Water
- Ecology
- Risk assessment
- Environment
- Energy



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◎ Ecology

- Ecological impact assessment (scan)
- Field studies in broad range of species and habitats
- Mitigation / compensation plans for species
- Monitoring plans
- Legal assistance



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◎ Water

- Water management
- Water chain solutions (waste water revaluation)
- Agricultural process water
- Water technology
- Quality and ecology
- Process management
- Innovation





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- ◎ **Different worlds, common problems**
 - Fresh water shortage during summer
 - Extreme rainfall intensities
 - Conflicting interests in water management
 - Water collection is difficult
 - Water storage is costly
 - Irrigation water is expensive
 - Good water quality is necessary
 - High emission and loss of nutrients and chemicals

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◎ Water solution concepts

- Innovation
- Regional scale
- Integrated in surface water system
- Revalidation and reuse of wastes
- Cost reduction for
 - Waste water treatment
 - Irrigation water polishing

The top of the slide features a decorative header with a blue background filled with numerous water droplets of various sizes. The title 'Aqua-Terra Nova' is written in a light-colored, serif font across the top.

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◎ Developed water concepts

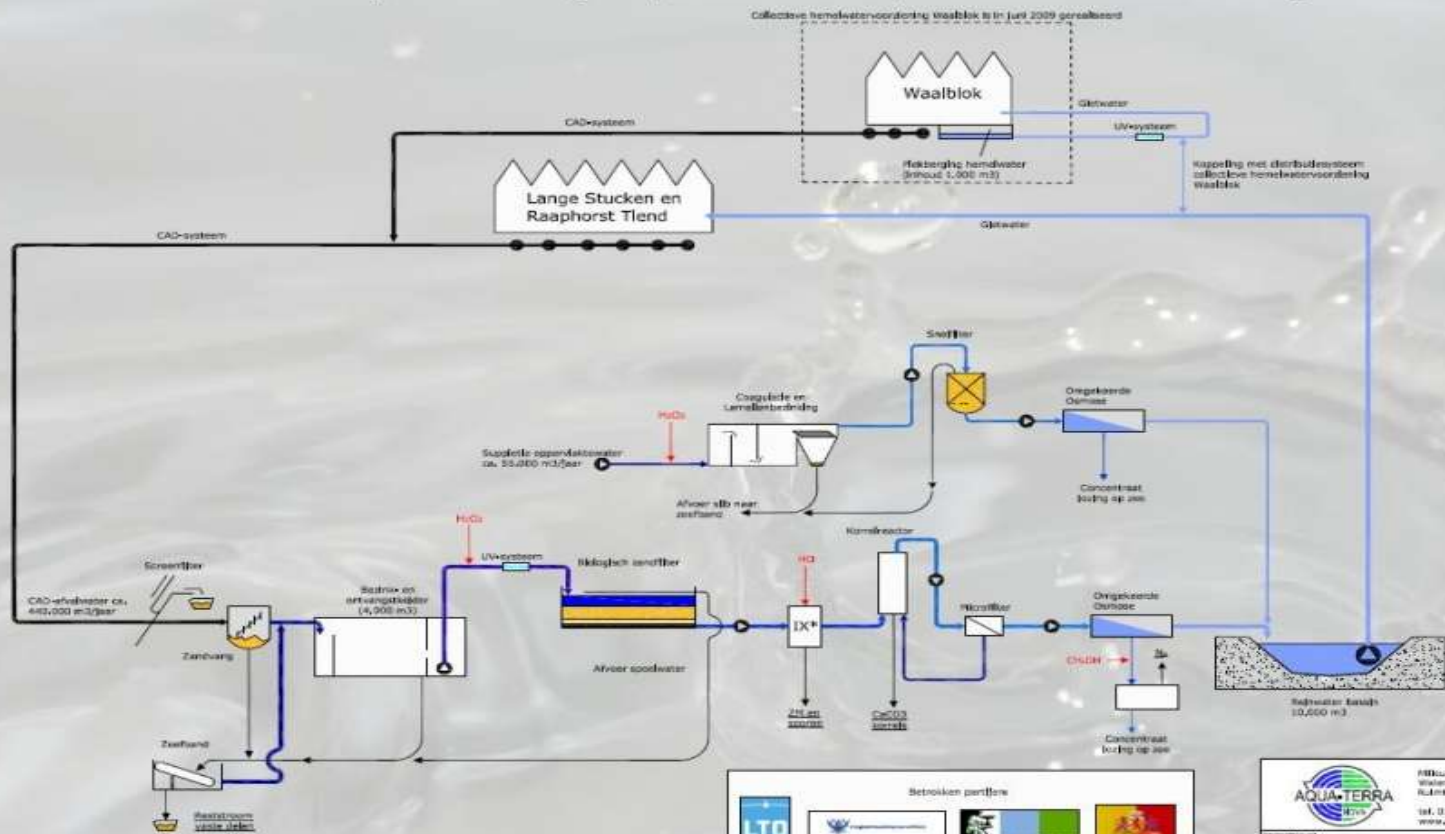
- 4B – Concept
- Aqua-Re Use
- Eco-Futura

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- **Developed water concepts :4B – Concept**
 - Irrigation water warranties for ca. 75 companies
 - Quality
 - Quantity
 - Bottom-up development
 - Surface water safety
 - Water treatment
 - Reuse of wastes
 - Cost benefits
 - New strategy for sustainable policy

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4B-concept: Bergen, Bufferen, Bereiden en Begieten



Betrokken partijen

AQUA-TERRA
Nieuw consultancy Watermanagement
Aanpak en realisatie
tel. 0174625246
www.aquaterranova.nl



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- ◎ **Developed water concepts: Aqua-Re Use**
 - Highly polished water quality as demanded by all involved (10) large scale companies
 - Underground water storage
 - Natural cleaning
 - Broadly applicable

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- ◎ **Developed water concepts: EcoFutura**
 - **Combination of vegetables and fish**
 - **Direct cycling of water and nutrients**
 - **Savings in use**
 - **Water**
 - **Nutrients**
 - **Fish food**
 - **Energy**
 - **Changing markets:
new opportunities!**

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- ◎ **All bottom-up concepts are based on:**
 - Participation of all stakeholders
 - Equility
 - Shared knowledge makes strong basis
 - Shared challenges make solutions
 - Realistic path to construction
 - Transparent organisation
 - Starting point is: all participators should benefit



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◎ Field position

- Initiator
- Liaison management
- Concept development
- Independent
- Reliable field partner

The title slide features a blue background with a pattern of water droplets and bubbles. The text "Aqua-Terra Nova" is written in a light-colored, serif font, positioned in the upper left quadrant of the image.

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◎ Bottom-up initiation

- Collective forming of ideas and initiatives
- Equality leads to participation
- Participation results in a strong basis
- Sustainable solutions benefit the collective
- *Parties use their influence instead of power*