



Uncovering the regenerative  
potential that lies below the surface



**MTP**  
Massive  
Transformative  
Purpose

**Making the energy transition the catalyzing foundation on which the revitalisation of the world oceans can thrive.**

**How?**

**Create a win-win for society and industry by Integrating Multi-Trophic Aquacultures with green energy production offshore (IMTA).**

Select areas for green energy production by considering favourable environments for marine aquaculture.

**Propositions:**

**Co-develop**

marine aquacultures by integrating them in offshore areas of green energy production.

**Strategize**

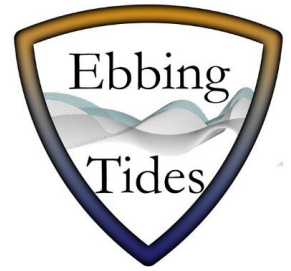
the use of surplus green offshore energy to harvest and protect marine aquaculture products in a sustainable way.

**What?**

**Implement**

the use of surplus green energy to process aquaculture products in a sustainable way.

"Human induced climate-change needs mitigation to safeguard amongst other food supply, prevent further temperature increase, glacier melting, and destruction of low-lying coastal zones (on- and offshore). It is scientifically proven that a fast energy transition, leading to a CO2 reduction, is essential. We link the positive feedback of a strong increase of marine aquacultures to this ambition. Both resulting in the much-needed **Ebbing Tides** of world's oceans.



Website coming soon



Drs/Drs Jan Ebbing  
Co-founder

### Core Competencies

Global expert in the energy transition  
Marine Geologist  
Innovation Manager  
Used to working in a political environments

## Work experience

### 2024: Co-Founder @ Ebbing Tides

Using almost four decades worth of experience in marine geology and the energy transition as an innovation manager.

### 2017-2023: Interim & innovation manager TNO

Dominantly in the field of lowering our Carbon footprint. Projects: restructuring TNO lab-facilities (geo-chemistry, geothermal and power trains); developing a final exit strategy for stopping production of natural gas from the Groningen field; safeguarding a successful and low-risk dismantling of the NAM offshore assets (Advising directly to the minister of Economic affairs of the Netherlands).

### 2011 - 2017: Director of TNO Caribbean

MD of an international start-up of TNO at Aruba in and for the larger Caribbean (15-20 fte) in the field of sustainable energy & energy transition

### 2008-2010: Sector Director at Deltares

MD co-initiator of Deltares, functioning as sector director of the Subsurface & Groundwater group (over 150 fte)

### 2005-2008: Business Manager at TNO

BU at TNO, responsible for the Subsurface & Groundwater group (over 220 fte)

### 2002-2005: Director of Syncera Geodata

Initiator and Director of a start-up "Syncera GeoData Ltd." (25 fte), a company specialized in added value for subsurface data.

### 1997-2002: Manager of Regional office TNO

RM at TNO, responsible for the Subsurface group NE Netherlands in Zwolle (over 20 fte)

### 1986-1986: Marine Geologist at department of the Geological Survey the Netherlands

## Expertise

Almost 40 years of national & international experience in the Geo- and Renewable Energy Sector. Last twenty years working as a startup & innovation manager in the public and business domain. From 2011-2017, as Managing Director TNO Caribbean, in a leading role in the energy transition of the Caribbean and as special advisor of the prime minister of Aruba. Used to working in a highly dynamical and challenging environment, in The Netherlands, Europe as well as South-America. Regularly functioning as an independent advisor at a Ministers level, e.g. as advisor on the closure of Groningen Gas Field and the dismantling of NAM-offshore (part of Shell) company.

Flourishing in an organization where entrepreneurship is needed, where co-workers must be challenged, and the management has an independent but at the same time collaborate attitude.

## Education & training

IMD Lausanne: Orchestrating Winning Performances (2006)  
Vlerick Leuven Gent, Management School: Talent development Course for TNO employees to become Effective Managers (TOTEM), 6 modules (1999-2000).  
Various technical and management courses (1986-1999).  
Certificate Open University Heerlen: General Environmental studies (1992).  
University of Utrecht, two masters: Stratigraphy and Geochemistry (1986).

## Videos

[Overview mission TNO Caribbean](#) 

[Co-development in sustainability](#) 

[TNO Aruba](#) 

[Smart community Aruba](#) 

[Presentation prime minister Mike Eman](#) 

## Publications

About 25 publications in national and international peer reviewed magazines, as author or co-author.