Science Rocks!



Research as the first step in your Dredging Career





Curriculum Vitae

JM.vanWijk@mtiholland.com

2004-2009 Delft University of Technology

BSc Mechanical Engineering

MSc Offshore and Dredging

Engineering

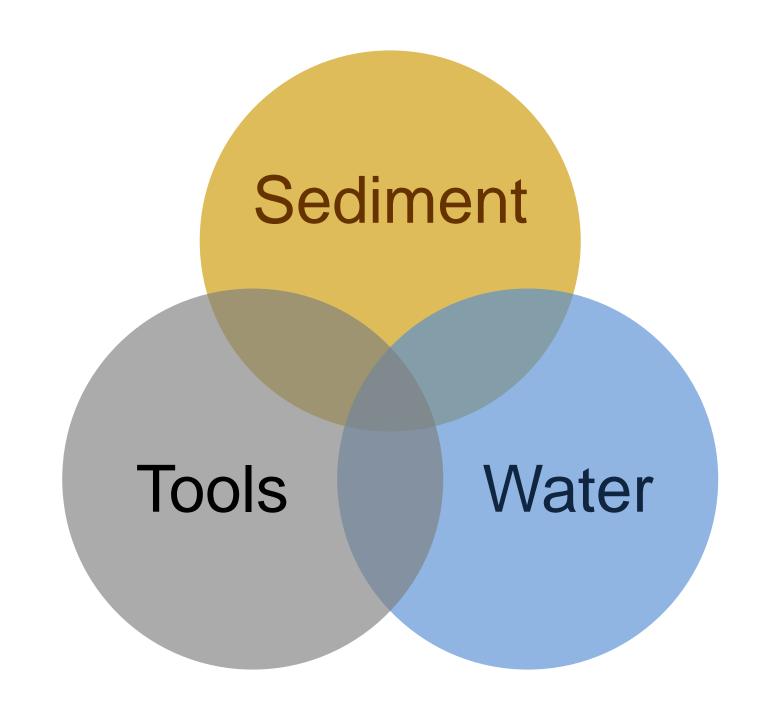
2008-2010 Student at MTI Holland

2010-present Research Engineer at MTI Holland

PhD student at DUT (prof. Van

Rhee)





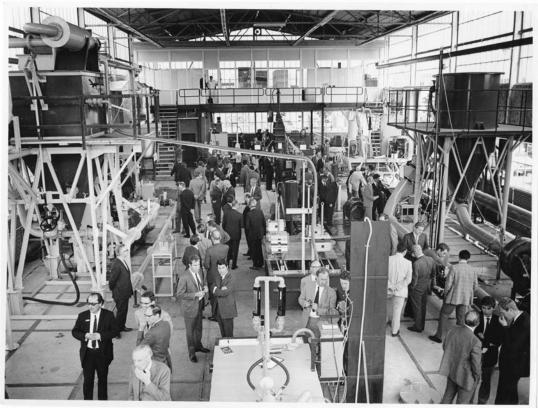




$$\frac{\partial \rho}{\partial t} + \nabla \cdot \rho \vec{u} = 0$$

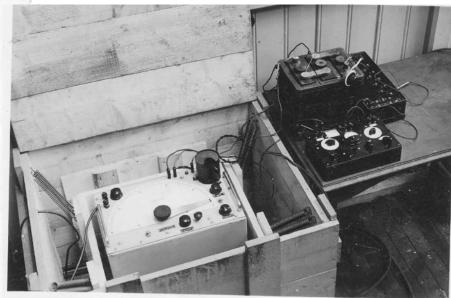
$$\rho \cdot \left(\frac{\partial \vec{u}}{\partial t} + \vec{u} \cdot \nabla \vec{u}\right) = -\nabla p + \nabla \cdot \vec{T} + \vec{f}$$

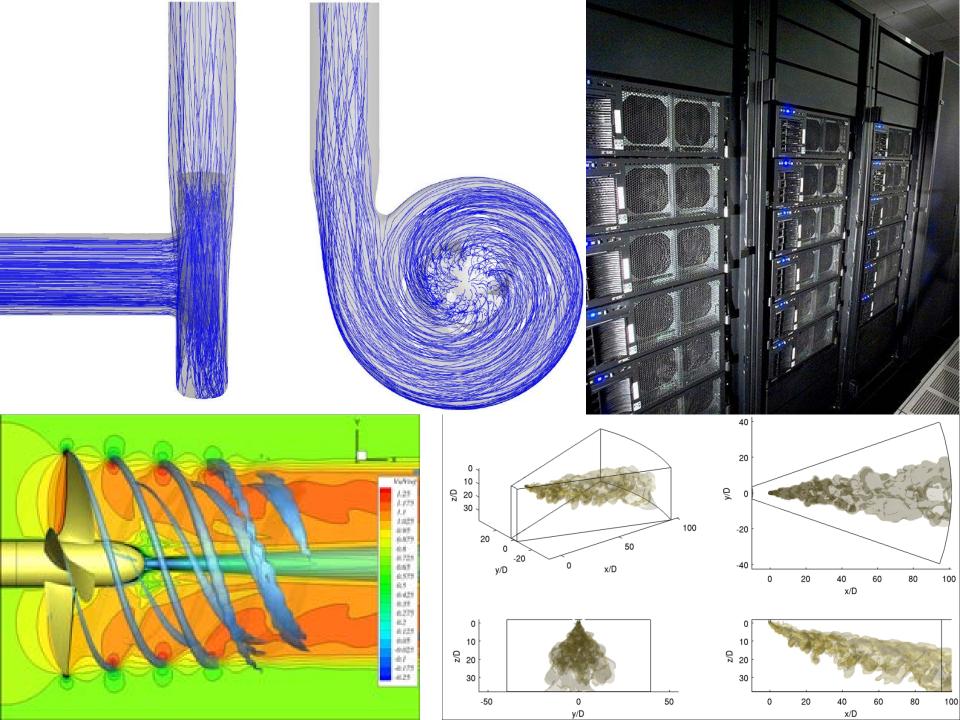
$$\frac{d\left(\rho_{s}V_{p}\vec{v}\right)}{dt} = \rho_{s}V_{p}\vec{g} + (\rho_{s} - \rho_{f})V_{p}g + \frac{1}{2}A_{p}C_{D}\rho_{f}\vec{v}^{2}$$



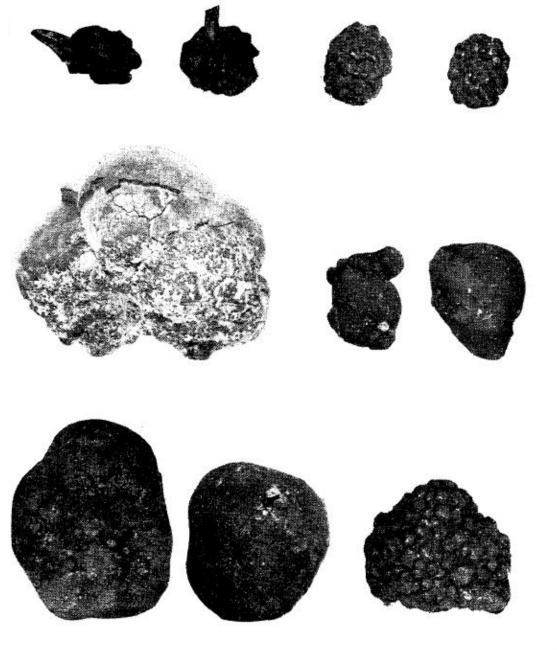








Empirical knowledge Research Common New Experiments Dredging Computational Tools



Healthcare

Electric Vehicles

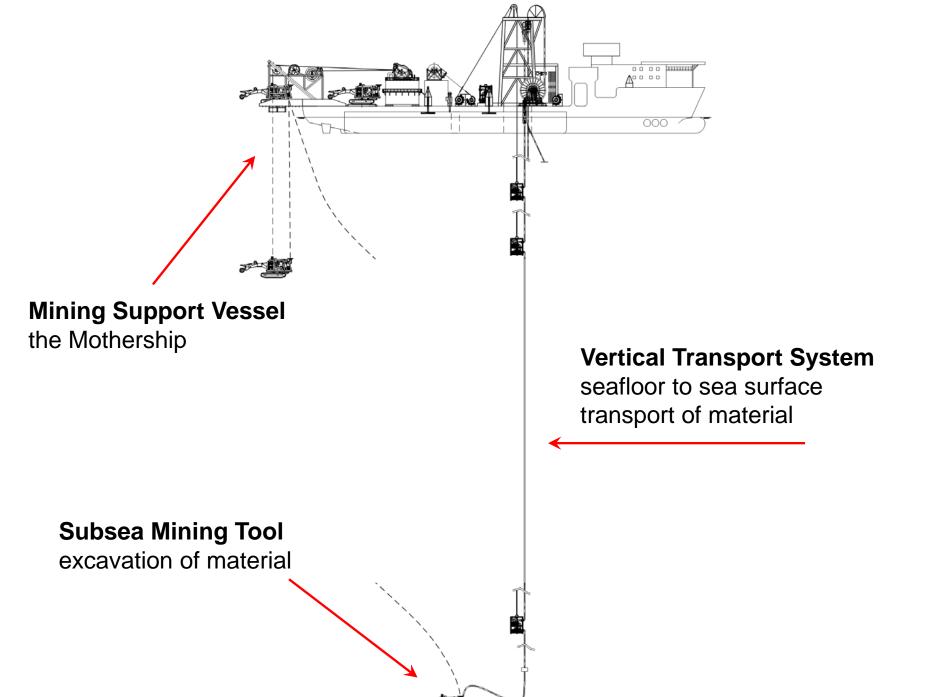
Solar Energy

Wind Energy

Digital infrastructure

Agriculture

- - -











"Theory meets Practice, Passion meets Purpose."

