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| Start- end date: **01/10/2019 – 14/02/2020** | | |
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| Course in the Netherlands: **Applied Physics** | | |
| Internship Department/Company: **Wetsus** | | |
| Brazilian Professor/Supervisor: | | |
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| Internship | | |

## Problem / assignment

The main source of drinking water in the world and in the Netherlands is groundwater, producing 50 and 65% respectively (Vewin, 2017). The first step for groundwater treatment is usually aeration.
My project investigated the capability of a Vortex aeration system to remove Iron from groundwater.

## Used methods / project phases

1- Building setup
2- Calibrating Sensors
3- Investigation of the aeration efficiency in the system
4- Investigation of the Iron removal capability of the system
5- Writing report

## Results

The Vortex treatment system is efficient for Iron removal. The next steps are trying to decrease the energy consumption of the system.

## Extra info / advice / link to final document and presentation

My Internship report can't be shared just yet but as soon as I have permission to share it I will.