

# Internship

Water management in desert areas  
with remote sensing and IoT

## About the internship

### Integrated monitoring & control service

We are looking for interns that are interested to help with the development of an integrated monitoring & control service to assist customers in desert areas to manage groundwater resources. The service uses Internet of Things (IoT) technologies and space-based assets.

### Informed policies, actions and decisions

The state of groundwater resources in desert areas needs to be monitored regularly to assess water quantity and quality. Water management decisions rely strongly on the availability and quality of such monitoring data, but there is currently a lack of information at regional and global scale.

We aim to help our customers to make informed drought preventive policies, actions and decisions. Our service will connect sensors and water infrastructure objects, collects and analyses data based on IoT sensor monitoring networks and Earth observation data, with the goal to control groundwater levels and manage water resources effectively.

### Internship opportunity

As an intern at 52impact, you will work on the development of this monitoring & control service. Based on your background, preferences and ambitions, you can choose to which parts of the service development you will contribute.

### What we offer

An internship is about learning and (personal) development. We will guide you in this process and will help you to develop new (soft) skills as well as bringing technical theory into practice.

We offer an inspiring environment where you work in a challenging business. You will have high levels of freedom and flexibility in how and when you do your work. At 52impact, you will have the opportunity to work on cases that create a positive impact on the world.

### About 52impact

52impact is a young company that develops information services based on satellite data, sensor technology and other geo-information. Our focus is on impact monitoring and spatial analysis. As technical information experts, we translate (often complex) information needs to services.

What makes us unique is that we look at the business, communication and technical aspects of services. 52impact is therefore the link between technology and the market. Next to our own information services, we also provide consultancy to tech companies in the geo and aerospace domains to help them with strategy, technology development, business analysis, positioning and the presentation and communication of complex information.

### Your profile

We are looking for interns with the following profile:

- You are currently doing a technical bachelor or master in a relevant field, for example geoscience & remote sensing, water management, geomatics, computer science, civil engineering or aerospace engineering
- You have an interest in data-driven service development
- You would like to work with geo-information (in particular satellite imagery), sensor technology and IT
- Good/fluent English; basic understanding of Dutch is appreciated, but not required for this internship

### Practical information

- Location: Rotterdam (Van Nelle Factory)
- Duration: 2-6 months, 24-40 hours per week
- Available from: December 2017 (flexible start date)

We have multiple intern positions available.

### Application

Do you want to apply or learn more? Please write an email to Sabine de Milliano: [sabine@52impact.nl](mailto:sabine@52impact.nl).

# 52impact

52impact B.V.

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