

SWELL

June 2019 Volume 40 Number 3

HET WATERBOUWDISPUUT



Hydraulic Engineering Student Association



FROM THE EDITORS

The time has come, our final Swell of the year is here.

You might have noticed that the cover of this Swell is the beautiful city of Rio de Janeiro. Within a couple of weeks, the participants of this year's study trip will board the plane to Brazil! We will visit Rio de Janeiro, Sao Paulo and many other places during a 15 day trip with 18 students and 2 professors - Stefan Aarninkhof and Han Winterwerp. If you know anything that we can't miss during our trip, for example beautiful beaches, delicious restaurants or nice bars, don't hesitate to let us know!

In this edition of the Swell you will find reviews of the events that have taken place since the last Swell edition, as well as some information on what the final month of the year holds. We have two special interviews this edition as well, one with Sjoerd van Hooff who has been to Jakarta with Roline, after their groups won the company case at Royal HaskoningDHV and an exclusive interview with two of our coolest lecturers: Sierd de Vries en Matthieu de Schipper. Let us know what you think of the Swell and don't forget to test your skills in the hydraulic puzzle!

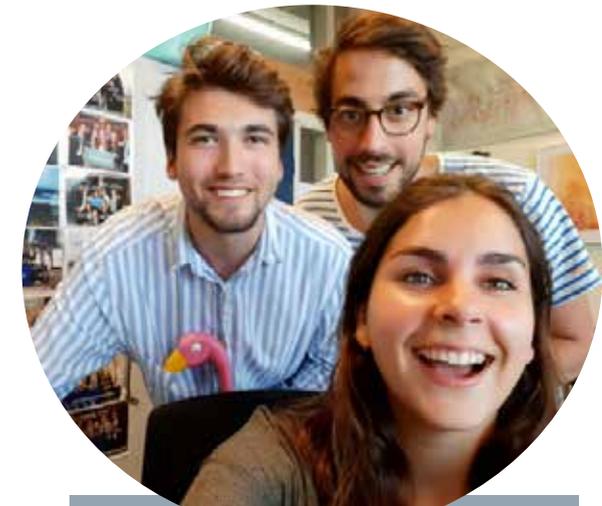
Lastly, we would like to thank everyone of you for coming to our events, hydraulic coffees & drinks and all the experiences we've been able to make the past year. Hopefully you'll enjoy this last Swell!

It was a dam nice year!

The editors,

Jakob Christiaanse
Bart Scheurwater
Gabrielle van Zwieteren

PS: Don't forget to sign up (on the website) for the End of Year BBQ!



The editors: Jakob, Bart and Gabrielle

Passion for smart solutions

Throughout history our engineers have solved pressing problems that societies are facing. Today is no different. At Royal HaskoningDHV we focus on delivering added value for our clients while at the same time addressing challenges like adaptation to climate change and the growing world population.

In the process of finding sustainable and smart solutions we actively connect and collaborate with colleagues across the globe where innovation and digital transformation are key. The top solution for the client needs to meet with the client's demands and to be futureproof, while not losing sight of our stakeholders' interests. We call it Enhancing Society Together.

Where land meets water, our maritime and water business meet

Every day our engineers from all disciplines are challenged with finding sustainable and smart solutions to questions like:

- How to improve, design or create a (new) port?
- What would be the ideal development for a marina, waterfront and the coastal zone?
- How do we protect urban areas from flooding?
- How can we make use of Building with Nature?

Join us in taking on these challenges!

For more information about Royal HaskoningDHV, please contact Gosse de Boer (Gosse.de.Boer@rhdhv.com).

TABLE OF CONTENTS

From the editors	3
Table of contents	4
From the president	5
Past events	6
Upcoming events	7
End of year BBQ	9
Looking back at the Hydraulic Dinner	10
Interview with Matthieu de Schipper & Sierd de Vries	13
Looking back at the Symposium: Large Dams, Great Day!	18
Hydraulic Puzzles	22
Department Event	23
Student Interview: Sjoerd van Hoof	26
Partners	31
Colophon	35

FROM THE PRESIDENT



Dear Hydraulic Engineering enthusiasts!

Welcome to the last 'Swell' of this academic year! A year that has amazed my group and myself in so many different ways, challenged us and inspired us. As temperatures are going up and our thoughts are leaving us for palm trees at the Copacabana, it is time to look back and end this year with few wise words.

In a year with so many different aspects, it is always hard to pick the things that taught you the most valuable lesson. I think that might be the insight we got in the world of Hydraulic Engineering. While focussing on a very relevant subject and talking to all the different experts, it teaches you some very valuable lessons that surely will come in handy in the engineering world.

This year, the symposium was organized in collaboration with Nethcold, the Dutch wing of the commission of large dams. Due to the fact that Nethcold celebrated its 50th anniversary a lot of working consultants and engineers came to our symposium. When you see the combination of enthusiastic and driven students together with the experience of experts, who have been working for a long time, you can only conclude that it is the perfect combination. During the workshops in which attendants were asked to mix through their age, it hit me.

Everybody who works or studies in the field of hydraulic engineering started because they love to solve big challenges. Being part of the group of future engineers, I think that we must realise how valuable the knowledge, handed to us at the TU Delft is and that we should be forever grateful for all the opportunities that are open to us. During our study we are taught to deal with compartments of the problems but only during your working life pieces fall into place and those big challenges are found. Therefore, I think that interaction between the knowledgeable working community and the enthusiastic and creative student community is something to be cherished. It is important to stay eager and hungry to explore new things, inside and outside of the TU Delft. Keep evolving yourself as an engineer, and most importantly, as a person.

With these words in mind, enjoy this last Swell! We will keep you posted about all the events and other interesting stuff through our Facebook page and Website.

PAST EVENTS

FEBRUARY

- 19 feb Company case RHDHV
- 25 feb Afternoon lecture van Oord

MARCH

- 13 march Company case Van Oord
- 14 March Lunch lecture CDR



APRIL - MAY

- 9 May Symposium **P18**
- 16 May Hydraulic Dinner **P10**
- 28 May Lunch lecture Fugro



UPCOMING EVENTS

JUNE - JULY

- 4 July End of year BBQ + Drinks **P9**
- Hydraulic coffee Every tuesday in front of CiTG 3.72



JULY - AUGUST

- 8 - 23 July Study trip to Brazil



SEPTEMBER

- 2 - 5 September Master Kick Off Week

WATER MANAGEMENT BY ARCADIS



COMPLEX CHALLENGES, INTEGRATED SOLUTIONS

Water influences the stability in the world, it can drive a region's prosperity and at the same time pose a threat. The water sector is growing fast. The world community is coming to terms with changing circumstances and the need to provide smart solutions to deal with them.

Arcadis is a top ten design and consultancy player in the water market. We provide our clients with the best and most innovative solutions to optimally prevent floodings, manage water resources and maintain a clean and safe water environment – throughout the whole water cycle. Our engineers, scientists and consultants help you consider complex factors like climate change, aging infrastructure and the cost of energy and materials. Together we can manage water in all of its aspects and keep clean water safely flowing to future generations.

Our Dutch heritage is a guarantee for the depth and breadth of our water capabilities. For many years we have been involved in projects in the world's most demanding regions. Our colleagues in Europe, the USA, South America and Asia provide valuable additional knowledge and local understanding. And we continuously partner with national and international water authorities, research institutes and private companies, to deliver sustainable results. Improving Quality of Life.

Visit us at: www.werkenbijarcadis.nl
If you have any further questions: please contact
Rosanne Melissen, Campus Recruiter.
Rosanne.melissen@arcadis.com or 06 1125 1821.

Celebrate the end of the academic year
at the

END OF YEAR BARBECUE

... with hydraulic drinks in the Tango afterwards!

Thursday July 4th
Free zone TU Delft | 18.00 h

LOOKING BACK AT THE HYDRAULIC DINNER

with a special thanks to La Tasca

On May 16th, 18 students and 9 professionals were invited for first the Hydraulic Dinner of 2019. The Dinner was hosted by the lovely staff of La Tasca and 'Het Waterbouwdispuut'. After some icebreaking starters and some small appetizers, the night started and people settled in their places.



'It became clear that this wasn't a usual night.'

From the start it became clear that this wasn't a usual night. The menu was kept a secret and companies gave their presentations, both educational and informal.

As the night continued, the dishes came out of the kitchen and onto our tables. As everybody got their plates, it became clear that the chef wanted the guests to envy each other. On each table, multiple different and delicious plates were served. People were bending over backwards to get a look at each other's plates. In the meantime, first Arcadis, then Fugro and finally Rijkswaterstaat all tried to accomplish that same look in the student's eyes: 'I want that'. They gave their view on how the future should look and how we as students could be part of it. With questions from the top hat we tried to put them on the spot. All of them successfully convinced us that they were a good place to work.

For those of you who missed it, no worries: there will be a new edition next year. We would like to thank the participating companies, Fugro, Arcadis and Rijkswaterstaat for making this event possible!



INTERVIEW WITH SIERD DE VRIES & MATTHIEU DE SCHIPPER

Interview Sierd de Vries & Matthieu de Schipper by Bart Scheurwater

'Sierd, Matthieu, thanks for joining us today! You guys have spent a lot of time together, both as students and as researchers. Could you tell us something about how you met and how you've landed on this path together?'

We have known each other for many many years. Sierd was living and studying in Delft, but Matthieu was one of the 'Rotterdam Boys'. So we knew each other by face, but became friends when we both joined the study association 'Plankenkoorts' in Delft. Even with little winds, we would head off to the beach and surf there for many days in the week.



Matthieu de Schipper



Sierd de Vries

We became good friends when we went to ASR (Artificial Surf Reef) in New Zealand for a six-month internship. Our job was to analyse the waves at sea and use our knowledge to design and build a surf pool on scale. It was the perfect combination of surfing and doing research. Our master thesis was on the same subject, a 'surf donut' it was called, so we both had Marcel Stive as mentor. During our thesis we had a great time with Marcel, because he wanted to stimulate fieldwork and experiments and that's exactly what we wanted to do. So, after we graduated we had a chat with him and he said: 'I'll send a letter to the dean and I'm going to buy a jetski for you'. We walked out of the room and looked at each other, 'Did he just offer us a job?'. That's how we became researchers at the TU Delft. One of the first things we did was developing a jetski with a unique measurement system and started a small company, Shore.

"I'll send a letter to the dean and I'm going to buy a jetski for you"



In 2008, Stefan Aarninkhof came to the University with his building with nature project at Boskalis. He was looking for two PhD students since he had two topics, and that's how we stayed at the University of Delft.



Nearshore. Nobody does it better.



-40°C

+40°C

Care to join us in projects around the world for global clients? We build jetties, ports, terminals and a whole lot more. Sometimes in the sunshine, sometimes in the rains of a monsoon and most recently among the seals and penguins of Antarctica!

visit bamcareers.com/int

and read about our internships for students.



'Could you both name your favourite project that you have worked on so far, and why it stands out?'

Matthieu: I have to say the Sand Engine. It's such a huge project, with so many different topics and experiments. We did so many experiments and lots of models are made and still nature has its own will. A lot of predictions were made, but we are still analysing and discussing why things happen as they happen because the outcome was on some aspects so different. That's the most fun part of this entire project: lots of things are happening and we don't have the answer to everything yet, it's such a huge experiment.



Sierd: I would have to say the same, the Sand Engine. Especially the experiments that we did during the MegaPex in 2014. In 6 weeks, we did so many measurements and experiments, it was such a huge multidisciplinary, open and social project. People from all over the world joined us, just to share knowledge and help. Nothing was too crazy and at the end we published a lot and we had lots of tangible results. 'Lekker nerden', 6 weeks long, who would not want that!

'Where are you both currently working on?'

We both are supervising a lot of PhD students and the course Coastal Dynamics II of course. Matthieu: 3 years ago I got a scholarship to do research about the spreading of sand in such a concentrated supplementation (Sand engine). That's what I am currently doing with some PhD students until the end of this year.

Sierd: I'm still working on dune reinforcement. It's physically difficult and we do for example not know much about sanding after a big storm. Also I am working on DuneFORCE, a new project on coastal safety ecology and habitat.



'Sierd, you have told us earlier that you believe too few students continue with an academic career after graduation. Could you tell us what made you choose for staying at the university and why you would recommend it to current students?'

A lot of students have the image that a PhD is sitting 4 years at your desk and die hard 'nerding'. In my opinion, that's not necessarily true. You don't have to come up with something genius. You have to investigate and do research, that's a world of difference. You are dependent on yourself, you have a lot of freedom. It's your research, your project.

If you are eager to learn intrinsically, motivated to do things outside of your studies, determined to learn and not just pass the course, then a PHD might be something for you. I think PhD students are extremely important, since doing research is something very important. Take for example climate change; how fast is this really going and does it make sense, such as an electric car. After your PhD you will be trained to think as an independent researcher. The role of a researcher to society is to give advice as an independent monitoring body. It's your research that has contributed to society!

'Is there something that you really want to do in 5 or 10 years?'

Sierd: I would like to do something with satellite measurements. I think it's really cool that those things in space can measure accurately to the meter or even better. In my opinion it will only be a matter of time for some kind of webcams at various places in the world, monitoring our coasts. I can still remember in 2002 when Google Earth came, that was amazing. Matthieu and I spent a lot of hours looking for perfect surfing spots on an old computer.

Matthieu: I'm not finished with hydrodynamics. There's still so much to be discovered. I still would like a die hard nerd topic. For example the exact difference between perfect swell coasts and wind sea coasts, those stay in the back of my mind.

'A final question for you Matthieu, you won the Science talent of the year award last week. Congratulations! Could you tell us what the award is given for and what it means to you to have won?'

The New Scientist Science Talent award aims to promote young scientists by offering them a platform and encouraging them in their research. We earned the prize for our original research methods, which include zooming along the coast on a water scooter kitted out with measuring equipment to study the movement patterns of sand and water. We collected data which will give a better understanding of the changes, both man-made and natural, which are affecting beaches. The predictions made on the basis of the data can be used to intervene in the landscape – by means of sand supplementation, for example – in such a way that the waves themselves will carry out the work of strengthening vital parts of the coastline. I'm really proud of my team and it is nice to gain recognition for the years the team and I spent doing this research.



From concept to completion

Movares is an independent engineering consultancy, providing solutions to capacity, safety and integration problems in the areas of mobility, infrastructure and transportation systems. We play an active role for our clients throughout the entire process. From initial studies and earliest planning phases, to the design and execution of projects.

With Movares you have access to the experience and expertise of over 1000 staff in one of Europe's top three railway infrastructure and mobility consultancies.



Congrats Matthieu!

Movares
consultants & engineers

[movares.com](https://www.movares.com)

LOOKING BACK AT THE SYMPOSIUM: LARGE DAMS, GREAT DAY

This year, NethCold, the Dutch Commission on Large Dams, was celebrating their 50th anniversary. In July 2018, the first meeting for organising this festive day was planned and some rough ideas for making this a great day were set on paper. The symposium took place at X Delft and we can all look back at a very interesting day.

'Nethcold was celebrating their 50th anniversary.'

The day started with the opening by Cees Henk Oostinga, the President of NethCold. He gave an introduction of ICOLD, EUCold and the contributions of NethCold. Bas Jonkman, vice-president of NethCold told us about the challenges we are facing within the world of large dams. Marijn Meyer Ranneft gave a personal story about what triggers people to take part in these challenges. Our keynote speaker Jean-Jacques Fry, president of EUCold, who came here all the way from Lisbon, gave us a wider perspective about EUCold and ICOLD. The plenary session was closed with an inspiring story of Hans van Duivendijk. His contributions to NethCold are massive, and that can be seen from his story in which some beautiful experiences within the world of large dams were told.

'Keynote speaker Jean-Jacques Fry, president of the EUCold, came all the way here from Lisbon!'



After a coffee break together with RoyalHaskoningDHV, Rijkswaterstaat, Sweco, VanOord and Hydraphalt, the workshops started. The workshops were divided in three groups, each representing one of the technical committees NethCold holds: Dam Safety, Sediment and Levees. Students and experts in these fields were put together in groups, which led to lots of experience to cross over.

After the workshops, everybody came together to listen to the multidisciplinary student project which was done by students from different universities in the Netherlands. Rosanne Hakfoort and Han de Jong told us about the challenges in implementation of large water infrastructure. The day was ended with some drinks. Thank you all for coming and the contributions to make it a fruitful day!





Consultancy, research, products and services in water and safety



✓ Practical training

✓ MSc

✓ PhD

✓ Researches

HKV provides consultancy, research, products and services in water and safety for the Dutch government, provinces and waterboards as well as for foreign governments in Europe, Africa and Asia.

HKV earned a leading reputation in flood risk management. Our scope of work covers most aspects of water and safety including:

- Drought and flood risk analyses
- Disaster management
- Rivers, coasts and deltas
- Water management and climate change
- Information management.

You can find our opportunities for students on our website www.hkv.nl



HKV LIJN IN WATER BV

Head office:
 Botter 11-29, Lelystad
 P.O. Box 2120
 8203 AC Lelystad

T +31 (0)320 29 42 42
 E info@hkv.nl
 W www.hkv.nl

Branch office in Delft



Thanks to our partners for sponsoring and coming to the symposium.





Phones were not allowed during the quiz, however some clearly didn't understand....



De Traineepool

De traineepool is een samenwerking van de waterschappen:

Hollandse Delta, Rijnland, Hollands-Noorderkwartier, Schieland en de Krimpenerwaard en Rivierland, incl. Hoogwaterbeschermingsplan, Hoogheemraadschap van Delfland en Unie van Waterschappen.

'Door de vergrijzing is het van belang meer jonge starters te werven. Het is belangrijk om jonge mensen in je organisatie te hebben. Jongeren die net van school komen, hebben nieuwe werkwijzen en technieken tijdens hun studie meegekregen. Daarnaast hopen wij de bestaande samenwerking tussen de waterschappen te versterken. Welk beter moment is er dan om nu direct deze jonge starters voor te werven?'

Wat zijn de doelstellingen?

'We willen de waterschappen neerzetten als aantrekkelijke werkgever. Maar ook willen we de samenwerking binnen de waterschappen bevorderen.' We gaan 2-jaarlijks minimaal 20 jonge starters werven en hen een traineeship aanbieden binnen Waterschapstatent. Uiteraard willen we een aanzienlijk aantal trainees behouden voor de Landelijke Waterschappen.'

Waaruit bestaat het opleidings- / ontwikkelprogramma?

'Gedurende twee jaar doorlopen de trainees een gevarieerd werk- en leertraject. Het programma start met een "verwonderingsperiode" waarbij de trainees kennis maken met de waterschappen. De trainees volgen onder meer diverse vaardigheidstrainingen, bij voorbeeld op het gebied van projectmanagement, adviseren of persoonlijke effectiviteit. De praktijkopdrachten met een duur van 3 tot 6 maanden worden in groepsverband uitgevoerd, gaan over een actueel thema van belang voor alle deelnemende waterschappen.'

Welke toekomstverwachtingen hebben jullie over de traineepool?

'De traineepool is enerzijds een succes wanneer een groot deel van de trainees aangeeft te willen blijven werken bij het waterschap. Anderzijds kunnen we spreken van een succes wanneer de waterschappen het jammer zouden vinden wanneer de trainees na het traineeprogramma weg zouden gaan. Voor de trainees is het de uitdaging om ervoor te zorgen dat ze onmisbaar voor ons worden, hun meerwaarde te tonen en ervoor te zorgen dat ze de ruimte krijgen om hun plekje te vinden.'

STUDENT INTERVIEW

Interview Sjoerd van Hoof by Gabrielle van Zwieteren

This April, two students from our faculty travelled to Jakarta with Royal HaskoningDHV, we were curious to know more and that's why we interviewed one of the students: Sjoerd van Hoof.

'Sjoerd, can you tell me something about yourself and why you are studying Hydraulic Engineering?'

Of course! My name is Sjoerd van Hoof and I started with the Masters degree in February last year. When I was younger I always loved playing with water, mathematics was one of my favourite subjects and thus after I briefly lived in Cape Town during my gap year, the choice was obvious for me to enrol for the Bachelor of Civil Engineering in Delft! As other students might experience as well, I now really enjoy the Masters Degree because all courses are very connected to each other!



'As you have participated in several of the events organised by Het Waterbouwdispuut, we were happy to see you at the Case Day of Royal HaskoningDHV. Tell me about that day.'

Indeed, I was there! As well as all the other students, none of us were aware that this day was not going to be a regular case day. We were split into different groups, focussing on either the outer ring dike design or the coastline dike design for Jakarta. Jakarta is a sinking city and in combination with a rising sea level the NCICD Project is focussing on designing a new inner as well as outer dike. When RHDHV announced that two winning students would be selected to present their solutions in Jakarta themselves, you could definitely feel everyone was getting even more excited! Together and thanks to the hard work of my teammates Eveline, Pauline and Bart, I was lucky enough to be one of the two students going to Jakarta!!



'Congratulations once again, that was a big opportunity! What did you do on the trip?'

Thanks! Before we flew to Jakarta we had several meetings with RHDHV but the real excitement definitely kicked in when Roline and I boarded the plane. Straight after arriving on Monday morning we started with several meetings with everyone who is involved in the NCICD Project. We received lots of new information and on Tuesday Michael van de Watering, working in Jakarta for RHDHV, took us on a tour of the city and of the coastline. Two students from the ITB University were also selected and the four of us (Fayed, Haidar, Roline and myself) prepared our presentation, which was held on Thursday.

'Cool! What was your presentation about?'

Our presentation was named: The Integrated Dike! During the tour with Michael we visited different parts of the coastline where various, you could say random, dikes were built, sometimes not even connected to each other. We wanted to demonstrate and give some ideas on how dikes can be built with multiple functions, such as different recreational purposes on top of the dike.



'Sounds like you had a busy week. Did you have some time to relax?'

Yes we sure did have a busy schedule from Monday to Thursday, however on Friday we had a chance to relax on a beautiful island nearby: Pulau Pari. It was about an hour by boat to get there and it startled me about how much plastic was floating in the sea! We had to stop a few times because plastic got stuck in the engine. On the island, there was a big contrast between one beach and the other. One beach was beautiful with no plastic to be seen whilst walking a bit further we came across hundreds of slippers, straws and other plastic packaging.

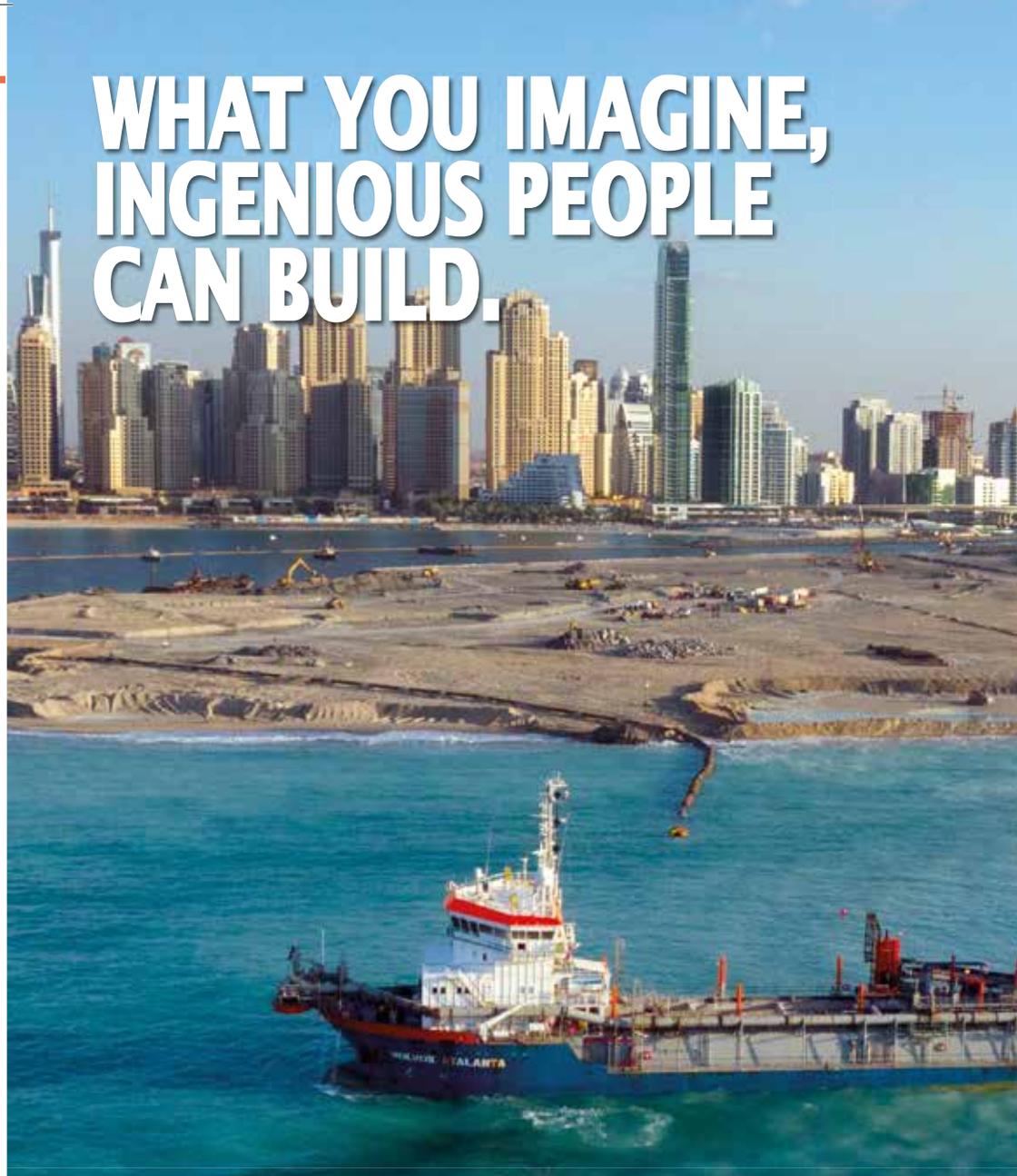
In the night from Friday to Saturday a big amount of rain fell in Jakarta, roughly 200 mm during one storm. Saturday morning, we visited areas where the water had entered the streets and houses were flooded. The positiveness of the locals surprised me as they were all very happy to meet us and happy that engineers were working on a flood defence!

'Wow, that's a lot of rain! Any last things to say to our readers?'

I really believe the spirit of the locals is immense! I hope the NCIDC project will succeed in protecting the city and its inhabitants! Furthermore, I would definitely recommend other students to participate in more case days hosted by Het Waterbouwdispuut, you never know where it might get you.



WHAT YOU IMAGINE, INGENIOUS PEOPLE CAN BUILD.



TRAINEESHIPS. FOR INGENIOUS PEOPLE.

Visit vanoord.com/careers for more information about the possibilities within Van Oord.

Van Oord 
Marine ingenuity

THINKING ABOUT
THE FUTURE?
HOW ABOUT
HELPING US
SHAPE IT



PRIMARY PARTNERS

Royal Haskoning DHV



Van Oord



PARTNERS

Witteveen + Bos



MTBS



Arcadis



SWECO



Curious about the job opportunities at Sweco?
See our vacancies at www.sweco.nl/carriere



SECONDARY PARTNERS

BAM International



CDR



Fugro



HKV



Horvat & Partners

**SECONDARY PARTNERS**

Movares

Vereniging
van Waterbouwers

Rijkswaterstaat



Waterschappen Rivierenland



ARUP



Kom jij het maken in de Waterbouw?

De Nederlandse waterbouwers zijn wereldmarktleider op het gebied van baggeren, havenontwikkeling en landuitbreiding en worden wereldwijd geroemd om de waterbouwkundige werken die zij realiseren.

Werken die landen en hun inwoners beschermen tegen overstromingen. Werken die gebiedsontwikkeling en transport mogelijk maken. Werken die economieën laten groeien. Niet voor niets heeft de Nederlandse overheid de waterbouw tot een van de meest kansrijke sectoren van de Nederlandse economie benoemd.

Facts & Figures

- Totale werkgelegenheid: **10.000, verspreid over de hele wereld**
- Totale omzet per jaar voor deze branche: **Meer dan 11 miljard euro wereldwijd**
- Aantal bedrijven: **Ongeveer 250**
- Aantal werknemers: **Ongeveer 6.000 in Nederland**

Bedrijven

In Nederland zijn zo'n 250 bedrijven als aannemer of dienstverlener actief in de waterbouw. Zij voeren in Nederland projecten uit voor Rijkswaterstaat, waterschappen, gemeenten, provincies en havenbedrijven. Internationale opdrachtgevers zijn onder andere grote oliemaatschappijen en projectontwikkelaars.

Bedrijven in de waterbouw houden zich bezig met de aanleg en het onderhoud van havens en waterwegen, landaanwinning, aanleg van kunstmatige eilanden, bouwen met de natuur en infrastructuurprojecten.

Interesse?

Kom dan werken in de waterbouw, een branche met een breed carrièreperspectief zowel in binnen- als buitenland met aandacht voor je persoonlijke ontwikkeling en begeleiding gedurende je hele carrière.



COLOFON

'Swell' is a magazine which is published three times a year for all the members of 'Het Waterbouwdispuut' and her relations.

'Het Waterbouwdispuut' is the student association of the department of Hydraulic Engineering and Environmental Fluid Mechanics of the Delft University of Technology.

Faculty of Civil Engineering and Geosciences
Delft University of Technology
Stevinweg 1 room 3.72
2628 CN Delft

Tel. : 015-2785437
Bank account : NL25INGB0003935442 tnv. 'Het Waterbouwdispuut'

Site : www.waterbouwdispuut.nl
E-mail : info@waterbouwdispuut.nl

Editors Swell:
Bart Scheurwater
Jakob Christiaanse
Gabrielle van Zwieteren

Printed by:
Drukland.nl

Number of copies: 500

Answers to the Hydraulic Puzzle:
HYDRAULIC BBQ FOUR JULY
Sea you there!

If the address no longer resides at this address, please send the new address to secretaris@waterbouwdispuut.nl

