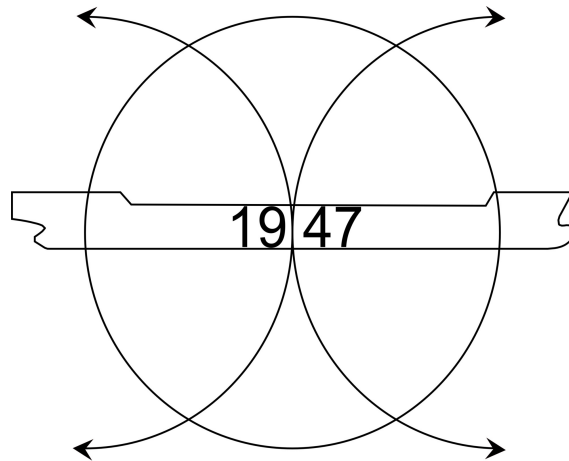


NUL-KRYDS

Annual Report 2020



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1 Words from the President

2020 was a year quite unlike previous ones, as we all experienced the effects the Corona pandemic exerted on society. Rumors of a disease spreading faster than desired was already in most news when we entered 2020, however it was not until the 27th of February that the first infected person was discovered in Denmark. It would take two weeks before Denmark was "closed down" at the 11th of March, stifling most planned activities for most Danes (and people all over the world for that matter).

In Nul-Kryds we managed to host one of our annual events before the lockdown, namely our sauna evening. The event was held at the 7th of February and was a huge success even with the impending pandemic lurking in the near future. Needless to say, most other events had to be cancelled and/or postponed to prevent further spreading of COVID-19. The main event of 2020 can be said to have been the Corona virus itself.

During the Corona lockdown different ideas within Nul-Kryds was evaluated with the main concern being how to arrange and host Corona-friendly events. Online events was deemed one of the better solutions and was used for the general assembly. Unfortunately, it takes some time to adjust social events from physical to online events, while still maintaining an inclusive and fun atmosphere. A lot has changed since before the Corona virus disease existed - as I am sure many will agree. We have decided to try and use online platforms for events to a greater extent in 2021 to combat the challenges of the pandemic.

Sadly only a single event apart from the sauna evening was realized in 2020; The Tech Event. Arranged with the help of the Danish Maritime Fund, first year students were introduced to a panel of various persons from the maritime industry (along with Nul-Kryds representation) as has been the tradition for the last years tech events. This time it was held at 1st of November, and even though safety guidelines were followed strictly, a case of COVID-19 was discovered and everyone who had attended had to be tested. This goes to tell that our challenges for the future are pretty difficult, but that we will find ways to continue to spread the interest and curiosity for what the maritime world has to offer.

We look forward to continuously collaborating with you and your company in 2021, and are in these weird times more open than ever to ideas for events or general experience concerning these challenging times. You are as always welcome to contact us.

Happy new year and let us hope and work towards a bright future!

Best regards,

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2 Resume of the general assembly

Due to the Corona situation the general assembly was held online on the 22th October with 11 participants, less than half as the previous year (where 25 attended). The participants represented included bachelor students, both engineering and science, local master students as well as Nordic masters and international students. Unfortunately, due to the online version of the event, we couldn't serve food and beverages to the participants.

The past year was evaluated, with the best economical evaluation for Nul-Kryds there has ever been. Due to the cancellation of most events this is probably the natural result of little to no expenses spent on hosting them. Due to the online nature of the general assembly, a kahoot (online quiz) was held bringing joy even through the restrictive nature of the meeting. At the general assembly a new board was elected as per tradition. Below the agenda of the general assembly is illustrated.

- Welcome
- Practical persons chosen
 - Moderator
 - Referant
 - Vote counter (for the board election)
- Approval of agenda
- President's summary of the year (Frederik Berthelsen)
- Treasurer's summary of the year (Ondine Chegaray)
- Quiz and online socialising
- Election of board
- Any other business

Normally there would be a break, but due to the lack of refreshments (and ability to mingle and socialize) the general assembly was executed in one take.

3 Board members

A very capable board was elected by the general assembly representing a good mixture of experienced and new highly motivated board members.

- **Bjørn Willem Daugbjerg Welling, President.**



Elected as President after one year as 1st board member. Bjørn attended the 72nd NTHS in Sweden among several other events. He is on his 7th semester of the bachelor of mechanical engineering with a maritime specialisation.

- **Peter Jon Kristensen, Vice President.**



Elected as Vice President after one year as 1st substitute. Peter is on his 8th semester of the Mechanical Bachelor of Engineering with a maritime specialisation.

- **Ondine Chegaray, Treasurer.**



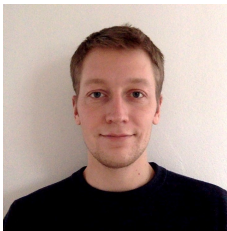
Elected as Treasurer. Ondine is on her third semester of the Master of Science in Mechanical Engineering with a maritime specialisation and took part in planning NTHS 71. She has been part of the Nul-Kryds board since her second year at DTU, except for her exchange semester in Switzerland.

- **Jesper Anthonisen, 1st ordinary board member.**



Elected as an ordinary board member. Jesper is on his third semester of the Master of Science in Mechanical Engineering. Jesper was part of the last years NTHS delegation and has been on exchange to Southampton where he only took maritime courses and is currently in Norway at NTNU studying Maritime technology.

- **Sebastian Schønnemann, 2nd ordinary board member.**



Newly elected as an ordinary board member. Sebastian is on his second semester of the Master of Science in Mechanical Engineering, specializing in maritime technology. Besides his studies he works with vessel performance on part time. Among other Nul-Kryds events Sebastian attended the study trip to Shanghai in 2018.

- **Rasmus Ruff, 1st substitute board member.**



Newly elected as a substitute board member. Rasmus is on his last semester of his bachelor in Sciences of Mechanical Engineering. Rasmus was part of the study trip to shanghai and has been part of the board in 2018/2019.

- **Borja del Arco, 2nd substitute board member.**



Newly elected as a substitute board member. Borja is a Naval Architect currently doing an exchange year for the second grade of his master's in Naval Architecture and Maritime Engineering from the Technical University of Madrid at DTU. His fondness for the maritime world encouraged him to join Nul-Kryds and become part of the board in 2020.

4 Sauna evening

One of the more social events that is tradition in Nul-Kryds is the Sauna evening. With roots in an ancient Finnish tradition the Sauna evening acts as a social gathering, aiming to tighten the relations between everyone with an interest in the world of maritime engineering. The Sauna evening often involves everything between anecdotes from experienced seatters to waterfights between common landlubbers.

This years evening took place on February 7th and around 12 Nul-Kryds members and old-timers participated. The evening started with a vitalising dinner, preparing body and mind for the journey that was to come. Then followed the namesake of the evening, Sauna! If you still doubt the power of meeting new people while sweating, having same interests (more or less) and drinking a beer or two, you surely have not tried the Sauna evening.



Figure 1: High moods for those who took part in the ancient, social and yet invigorating and healthy event: the Sauna evening.

5 Tech Event

As the second physical event we had Nul-Kryds participated on November 13th in a maritime introduction event at DTU for the Mechanical Engineering (Produktion & Konstruktion) students on their first semester. The event featured a panel debate with students from Nul-Kryds - Ondine and Bjørn from the Board - and representatives from the industry. Here Cobham SATCOM, MAN Energy Solutions and OSK-ShipTech where represented.

Furthermore the participants played "Constructor Game" developed by Det Blå Danmark to get an idea of the maritime industry. Here Nul-Kryds assisted the students in playing the game and helped with technical questions. The event was hosted by Danske Rederier and Danske Maritime.

We hope to see many of the students in Nul-Kryds at some point and that such events can continue as annual events so new Mechanical Engineering students at DTU are introduced to the maritime industry.



Figure 2: *Tech Event for the Mechanical Engineering students on their first semester.*

6 Poul Andersen becomes professor emeritus

After close to 45 years service at DTU, Poul Andersen retired and became professor emeritus. Working as an educator for so many years a lot of the maritime engineers in Denmark today has had him as professor at some point during their education. Poul was also working as a coordinator for the master degree "Nordic Master", where each year of the master education is spent in two different Nordic universities. Due to COVID-19 his formal reception was cancelled, however, being 3 students from the Nul-Kryds board attending his last course "41221 Ship Propulsion and Manoeuvring", we could not sit idly by. We have had a healthy economy in 2020 (due to the cancellations of most events), so we decided to give Poul Andersen a basket with some delicacies and a beautiful bouquet of flowers. We are all gonna miss you and the awesome courses you taught in, and of course all the good stories that followed with it.



Figure 3: A surprised Poul after his last lecture at DTU.



Figure 4: From left: Jesper Anthonisen, Bjørn Welling and Poul Andersen.

7 Annual events cancelled due to the Corona pandemic

Unfortunately most of this years events had to be prematurely cancelled due to the Corona outbreak. Instead these events are described in the following sections.

7.1 NTHS 73

The annual event NTHS (Nordens Tekniska Högskolas Skeppsbyggare) was supposed to be held in Finland, what a shame that the Finnish delegation had to cancel their tightly planned schedule! They of course were even sadder than us having spent hundreds (or even thousands) of hours planning everything, but they acted really maturely cancelling it prematurely instead of risking complications with students trapped etc. due to the Corona situation evolving last spring. The presidents for each delegation held a few online meetings between them throughout the year figuring out whether it would be possible to move the congress to the summer or fall. Since the pandemic situation did not allow for this to happen the congress have for now been postponed with the following (if the situation allows it) plan for future NTHS congresses:

- NTHS 73 in Finland 2022
- NTHS 74 in Denmark 2023
- NTHS 75 in Norway 2024
- NTHS 76 in Sweden 2025

By now everything is still unknown and we simply have to wait and watch as the situation evolves, but hopefully we will get to go to Finland sometime in 2022.

7.2 Martha evening

The traditional Martha evening was unfortunately cancelled in 2020. It should have taken place mid-june at DTU in one of the atriums with room for around 40-50 participants.

The meeting with S/S Martha and her crew must wait for 2021, maybe in an online event. It will be like seeing good old friends once more, or a fresh new acquaintance being made, depending on if it is the first time you see it or already are a veteran in Danish cult classics. Normally this Danish cultural treasure will create bonds and new friends amongst the students visiting DTU from other places.



Figure 5: *The menu was not as in the movie, but the hands were clean! Corona safety above all else!*

So without promising too much, then we will stick to this tradition at least a bit more, maybe with a fresh twist or two in the coming spring.

7.3 Company evening

Some of the Nul-Kryds board members are planning on making an online event with one or more companies in mid March or later. Some companies are already interested in participating in this alternative event. If any of you out there could be interested in sharing one (or more) of your employees for an afternoon, we would love to hear from you to our mail nul-kryds@dtu.mek.dk.

7.4 Christmas lunch

The annual Christmas lunch should have taken place on the 7nd of November 2020 as this was the first Saturday in November. A sad tradition to miss out on - but we can hope for a realization of it in 2021. Normally this is an event where current students have a chance to meet old-timers of the student union Nul-Kryds. While having fun and meeting with old friends, it is also a great way for international students to get to know the Christmas traditions of Denmark. It suits as a perfect opportunity to broaden your network in the maritime industry.



Figure 6: *The table arrangement in Saxen for the annual Christmas Lunch as it was in 2019.*

The Christmas lunch is all about the the atmosphere, which normally exceeds expectations. We look forward to hopefully hosting the Christmas lunch next winter where we hope to see a lot of newcomers as well as old-timers. The event next year will again be held in the first weekend of November 2021. Therefore put a cross in your calendar at November 6 2021.

8 Work at DTU during 2020

In a normal year the Nul-Kryds board would typically meet one-two times a month. During these meetings we plan who is responsible for what and when we organise events, but a lot of the time is also spent talking about what it is like to be a maritime student at DTU, discuss if any new suggestions has come in and brainstorm on events we would like to host in the future.

Apart from the specific activities described in this report, Nul-Kryds has in 2020 continued to work to increase the interest for the maritime industry at DTU as much as the pandemic situation has allowed. We have continued to visit all the maritime courses (when and if they had physical lectures) and presented the maritime study line as well as Nul-Kryds. We have had to change this a bit since we usually give "pebernødder" when Christmas time is near, a nice little cookie, but for future corona-friendly snacks singular wrapped snacks is probably considered a must. Furthermore we have continued collaborating with the Section for Fluid Mechanics, Coastal and Maritime Engineering (DTU MEK FVM) in order to have a talk between the students and the professors as well as helping with promoting the courses. This year this lead to continuation of the Tech Event for the B.Sc. Mechanical Engineering students on their first semester. We are satisfied to have been able to help hosting it for the second year in a row and our aim from last year making it an annual event seems to have succeed!

This fall we also helped with promoting the Business & Technology Summit for DTU and CBS students which Mette Sanne Hansen, Head of Maritime DTU, and Henrik Sornn-Friese, Director of CBS Maritime, arranged as a part of ShippingLab. This was one week with case work where skills from DTU and CBS students were combined to solve a case provided by DFDS. This will continue as an annual event in order to strengthen cross-disciplinary project work for the maritime students, to strengthen networking between the two educations and to get the students to work with company-like cases.

We have also continued to promote the IDA Maritime events so Nul-Kryds members can go there together and hear about the maritime industry. This year the IDA Maritime events have of course been changed to webinars.

This year we also began to use our LinkedIn site more in order to present what we are doing during the year. So follow us there to get some Nul-Kryds updates throughout the year until the next annual report:

<https://www.linkedin.com/company/nul-kryds/>

9 Plans for 2021

In the spring we will focus on promoting and participating in the Tech Event for the B.Eng. Mechanical Engineering students as there is a lack of these student in Nul-Kryds since they mostly have lectures in Ballerup and all the maritime professors are sitting in Lyngby.

The Corona situation took us quite by surprise this year, and we were forced to cancel many events without being able to replace them. However, we are now working on alternative solutions to not let this happen again. Some events simply can't be replaced, some solutions will require the society to open up to become possible at all but we will also look at online alternatives, which are always available.

Easter dinner As a replacement for the traditional Christmas dinner, an Easter dinner will be planned for both the current Nul-Kryds members and the old-timers. However, this requires the possibility to meet with many people safely.

Online company evenings We will make an online version of our company evenings as some kind of small webinars. These could be followed by some quiz or another form of socializing part. We already know that some companies are interested to participate.

Martha evening This year, the the Martha evening will highly depend on the restrictions in the end of the spring, when it usually happens. If the society has opened up, we will gladly welcome old-timers and members to a gathering around the famous movie. Otherwise, we will do our best to combine social gathering and movie online.

Beach party We expect that the society will be more open in the summer, which could allow us to have a beach party on a sunny day instead of the usual sauna evening in February.

Shanghai trip If the situation allows it, we would be thrilled to report the trip to Asia that should have taken place this autumn to after the summer. The study trip was planned for 2020, hopefully we can reuse most of our contacts and addresses.

A continuous focus for Nul-Kryds in these years is promoting the maritime study line and we will continue to do so. We hope to get help from the industry and its organisations in order to promote maritime engineering even more, as this is needed in order to secure skilled engineers in the maritime field in the future, and keep a fruitful learning environment at DTU. Therefore you are welcome to contact us at nul-kryds@dtu.mek.dk if you have ideas for Nul-Kryds events, visits or company evenings.

10 Sponsors



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