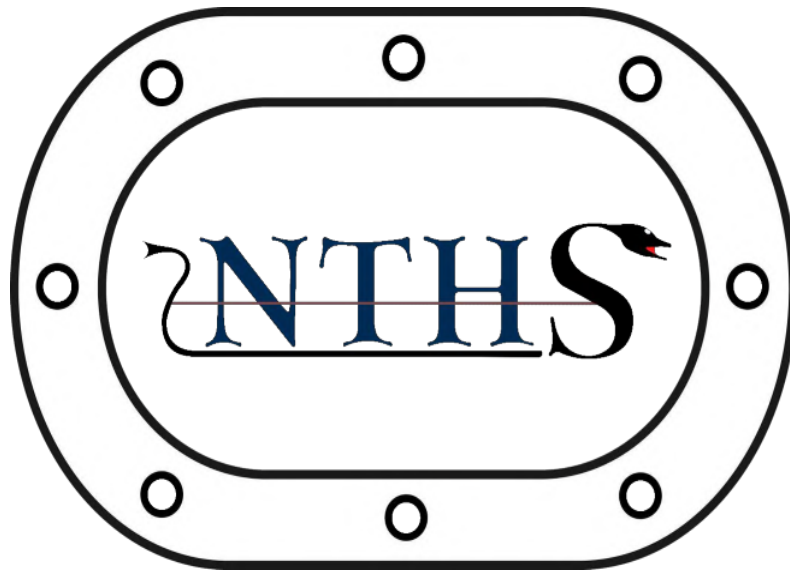


Official report

75th NTHS



Norway 2024

26th Feb - 1st March



Nordic Technical Universities Shipbuilders Congress





HÖEGH LNG

Höegh LNG is a pioneer within maritime energy infrastructure. Our purpose is to accelerate countries to energy security and transition by providing innovative and flexible marine energy infrastructure. The flexibility provided by floating terminal solutions also supports the transition to clean, carbon-free energy.

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Words from the 75th Norwegian President

The 75th NTHS is now over. After a challenging start in August 2023, the Norwegian delegation is proud of the program of this year's congress. This February, 51 Nordic shipbuilding students gathered in Norway to learn about the Norwegian maritime industry and to exchange experiences and knowledge with like-minded. NTHS 75 has resulted in many new and hopefully long-lasting friendships.

The NTHS is not only about visiting companies but also about meeting our Nordic student colleagues. Without any experience from previous NTHS congresses, the other Nordic countries gave us a good introduction and took us in with open arms. We all had a lot of fun meeting up with people from different countries with the same interests as us. In the evenings, as well as on the bus, there were a lot of social activities, laughs and memories made. The congress would not be the same without these experiences.



During the congress, the participants were introduced to the variety of Norway's maritime industry. Throughout the five days, there were eight company visits with a total of twelve company presentations. Some of the highlights were the tour of the fish mares, the production facility for fish mares and the guided tour of M/F Holger Stjern from 1958, not to forget the exciting lectures about fish farming, scrubbers and ship design.

During the evenings, different social events were organized, showing the Nordic shipbuilding students the student life of Trondheim. This led to new friendships being made across the Nordic borders. The events involved music bingo, sauna, anecdote night, basement parties and meeting the Old Timers.

Based on the feedback from the participants, the 75th NTHS congress was a great success. Everyone expressed high levels of satisfaction, which contributed to a highly positive experience for all involved. I would like to thank this year's participants for all the memories we have created together, and we look forward to seeing you in the future.

On behalf of the Norwegian delegation, I want to thank all our sponsors, especially our main partners Höegh LNG and The Norwegian Shipowners' Association, for making this year's congress possible. It would not have become such a great success without your contribution.

I also want to congratulate Amund as the next President of the Norwegian delegation. I am sure next year's delegation will enjoy the congress in Sweden. You will see me at the banquet!

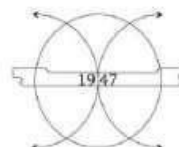
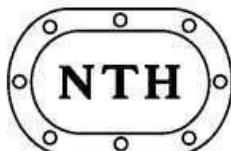
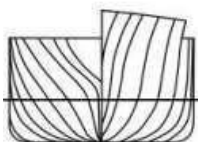
Lastly, this congress could not have been possible without the dedication and energy of the eleven other members of this year's Norwegian delegation; Andreas, Christian, Hedda, Sarah, Johan, Marius, Mina, Bendik, Thea, Harald and Isak. Thank you for the great collaboration, it has been a blast working with you!

The best of luck to Sweden for NTHS 76 next year!

Best regards,



Carl Henrik Olsen Torjuul
President, NTHS 75



Official program 75th NTHS

| | Sunday 25.02 | Monday 26.02 | Tuesday 27.02 | Wednesday 28.02 | Thursday 29.02 | Friday 01.03 |
|------------------|-------------------------|---|-----------------------|-----------------------------------|---------------------------------|--|
| Where | OSLO | OSLO | OSLO | TRONDHEIM | TRONDHEIM | TRONDHEIM |
| Morning | | Breakfast seminar, Fred Olsen Havfram | Yara Marine | Bus to Hitra | Altera | Department of Marine Technology, NTNU SINTEF Ocean |
| Noon | | DNV | Höegh LNG | Kystmuseet Hitra, Salmon farms | Zeabuz demo + ferry visit | Lunch Tyholt-tower |
| Afternoon | Visit The Salmon | Nexans | Econnect | ScaleAQ | Skuld | Pre-drinks, Presidents house |
| Night | Welcome presentation | Social / PinPin | Nightbus to Trondheim | Anecdote Evening | Oldtimers Evening, Samfundet | Banquet! |



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The Norwegian Delegation



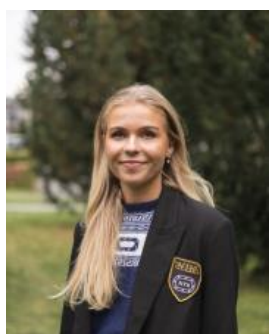
Carl Henrik Olsen Torjuul
President



Andreas Minne
Vice President



Christian Råstad Knudsen
Treasurer



Sarah Elseth
Social Media Manager



Hedda Aksnes
Banquet Manager



Marius Solheim Stranden
Veteran Relations Director



Mina Johannessen
Program Coordinator



Bendik Skari
IT Manager



Thea Marie Rønneberg
Accommodation Coordinator



Isak Jordal
Chief Beverage Officer



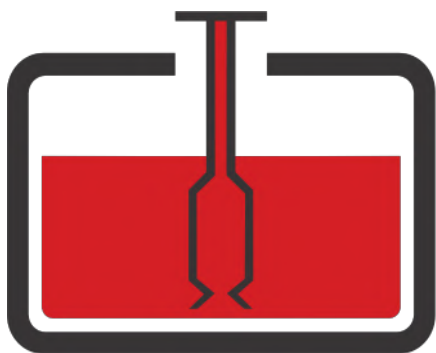
Harald Horne Fosseng
Sponsor Coordinator



Johan August Bertnes
Jester



FLEX LNG



FRAMO
an Alfa Laval brand

Day 1 - Monday 26th of February

The 75th NTHS congress officially started on Monday, the 26th of February. The day started with buns and coffee, and then an early walk to the Norwegian Shipowners Association. Here, we were met by a beautiful premise where we were introduced to the Maritime Trainee program and two presentations about ocean wind by Havfram and Fred. Olsen. The stay was followed by a delicious lunch and a presentation from DNV about some of their newest projects. DNV ended their presentation with a spaghetti-windmill contest which was great fun!



Hereafter we took a sightseeing bus trip to see the city of Oslo! We passed by the Opera and took a trip to Ekebergsletta where some members of the delegations had good memories from earlier football days. The bus stopped at Nexans where we were taught about the impressive Nexans Aurora.

The evening was spent at Pinpin, where we walked past Stortinget and the streets of Oslo to complete the day with burgers and a great time with quiz and karaoke!



 **Havfram**



DNV



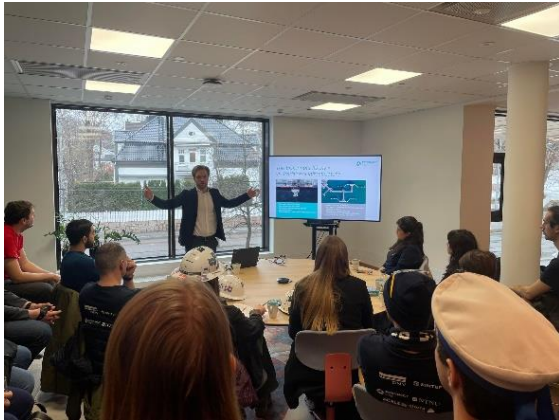
Fred. Olsen Windcarrier

Day 2 - Tuesday 27th of February

The second day of the congress kicked off with a breakfast, providing a much-needed energy boost after a lively night on Monday.

The morning began with a refreshing walk to Yara Marine, where attendees delved into a presentation on scrubbers, optimization techniques, and rotation sails, learning about the latest advancements in technologies.

Following the company presentation at Yara Marine, delegates made their way to the new premises of EConnect, where they were treated to an engaging presentation outlining the company's start and vision for the future in addition to inform about their summer job opportunities.



Continuing the day's plans, we walked to Hoegh LNG, where a presentation provided detailed insights into the company's long history and unveiled its new investment directions, providing a glimpse into the evolving landscape of the liquefied natural gas sector.

The afternoon took a fun turn with the start of the NTHS-games, where delegations started on a unique challenge. Armed with only one Kvikk Lunch each, every delegation walked the streets of Oslo, trying to trade the Kvikk Lunch with strangers to gather items of higher perceived value. The Danish delegation won, demonstrating their skill with an impressive haul of eight writing blocks and ten ballpoint pens.

As nightfall came, we went to Salt, looking forward to a relaxing sauna session. To end the day, we hopped on the night bus to Trondheim. Unfortunately, Johan picked up a harmonica for the first time - eager to learn how to play.





ECONNECT

Energy

Day 3 - Wednesday 28th of February

After a long night with not much sleep on the night bus to Trondheim, we arrived at the Trondheim hostel around 6:00 AM. We quickly realized the hostel wasn't open, so we couldn't check-in. This situation put the Norwegian delegation's problem-solving skills to the test, as everyone had to leave their luggage at the Presidents house. Then, we quickly grabbed some breakfast and a Powerade before catching another bus ride to Hitra.

The event at Hitra, set up by the Coastal Museum, had three parts, leading us to be split into three groups. Group 1 took speedboats to a salmon feeding station and visited some fish pens to check out the salmon. Group 2 began at the Coastal Museum and watched a short but very informative movie about the history of Norwegian salmon farming. The museum, being independent of the salmon companies, offered us an honest view of the industry, highlighting both its ups and downs. Group 3 went to Lerøy's slaughterhouse at Jøsnøya. The groups rotated, ensuring everyone had the opportunity to experience each segment of the program.



After that, our next stop was Scale AQ, where we dove into how fish pens are produced and constructed. Even though everyone was a bit tired after the night bus, this visit opened our eyes to the intricate processes behind fish farming, from the creation of the pens to the various roles within the company, including the more practical tasks and the role of a project engineer.

We wrapped up the day by returning to Trondheim and spending the evening at "Skipslogen" (Mannhullet's student bar), enjoying a casino night. Although this was one of the most exhausting days, the experiences were genuinely eye-opening and gave us a lot of insight.



SCALE 



OFFSHORE NORGE

Day 4 - Thursday 29th of February



After a pleasant breakfast at Trondheim Vandrerhjem, our group set off for our first stop of the day: Altera Infrastructure. There, we were treated to an engaging presentation about their work, focusing on FPSOs and CCS.

Following the presentation, we headed up to the top floor of the building to admire the impressive office view and enjoyed a tasty lunch.

Continuing our adventure, we headed to Fosenkaia to experience the historic M/S Holger Stjern ferry from 1958. We were given a comprehensive tour of the manually operated engine room, explored the charming saloon and bridge, and delved into the fascinating backstory of Holger Stjern. Our luck continued as we had the privilege of riding the emission-free autonomous passenger ferry, Zeabuz, back and forth over Nidelva, which was a cool experience.

After a brief midday break, our next stop was with the well-known insurance company, Skuld. Over sushi and pizza, we gained valuable insights into the marine insurance industry. Later, we found ourselves entertained by anecdotes at our student bar, Skipslogen, accompanied by visits from NTHS old-timers. The night ended at Studentersamfunnet, which added an extra layer of fun to an already eventful day. All in all, it was a day filled with laughter, learning, and memorable experiences.



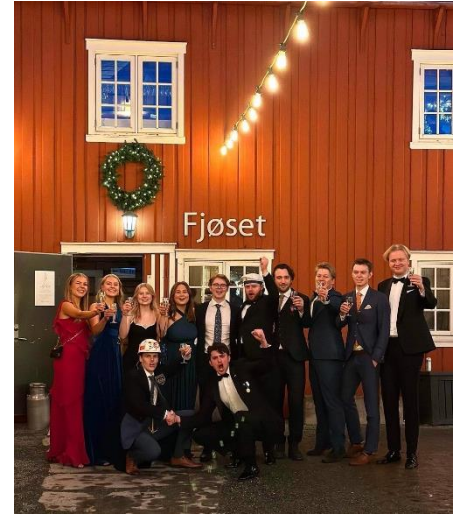
altera 

 **SKULD**

Day 5 - Friday 1st of March

The final day of the congress started with breakfast and an informative presentation by the Department of Marine Technology at NTNU campus Moholt. Following the presentation, we took a 15-minute stroll to SINTEF Ocean at Tyholt. Once there, we were divided into groups and got a tour of several laboratories at Marinteknisk Center.

Next up, we had lunch at Tyholttårnet, where we enjoyed pizza to the beautiful view of entire Trondheim. From the tower, we could also observe the building process of the new Norwegian Ocean Technology Centre. Following lunch, we had some well-deserved and much-needed rest before the highlight of the week – the 75th NTHS Baquet!



The evening started with pre-drinks at the president's house, followed by the main event at Kvilhaugen gård, where around 95 guests gathered to celebrate the anniversary. It was a lively evening filled with reunions with old-timers, a delightful three-course meal, and entertaining performances.

In addition to speeches from the president, men's speech, and women's speech, there were some "musical performances" by both Strindens and Tåkeluren! The evening ended with a concert by Ship Happens at the new Skipslogen at Moholt. The entire evening was a success and we want to thank all the delegations for making this week so memorable!



Words from the 76th Norwegian President

First, I want to congratulate the Norwegian delegation on hosting an exceptional congress! They showcased the Norwegian maritime industry really well, and made a lot of new acquaintances.

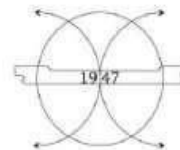
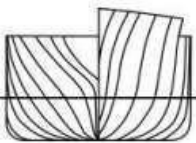
We are all looking forward to next year's 76th NTHS congress in Sweden. We are confident that the Swedish hosts are planning an interesting and educational week. Insight in the local industries and the creation of new bonds with our future Nordic colleagues stand high on the Norwegian delegation's agenda.

The Norwegian delegation traditionally consists of 3rd and 5th year students. Five lucky 3rd graders will be elected later this year, to join the next year's delegation. We are looking forward to meet the newcomers from all delegations and hope to meet the graduate participants at the banquet in Gothenburg among returning Old-Timers. Finally, I would like to show my gratitude to our partners over the years. Whom without, the annual NTHS congress would not be possible. We are looking forward to future collaboration.

On behalf of the 76th Norwegian NTHS delegation,

Amund Helle

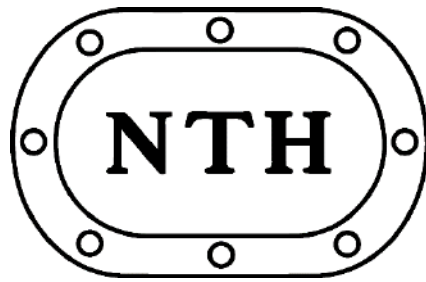
President NTHS 2025, Mannhullet





BUKSÉR & BERGING

MiKO
MARINE



Mannhullet

Est. 1917

The Norwegian Delegation represents Mannhullet, the student association at the Department of Marine Technology at the Norwegian University of Science and Technology (NTNU) in Trondheim.

Mannhullet is a very central part of the student life of those seeking marine engineering for the future. Leisure time can be spent on the sailing boat *Steinbiten III* or the motorboat *Havfruen IV*. These boats also give the students experience with the sea – an element that every marine engineer must master.

Social gatherings, such as quizzes, company presentations, sports on TV and those crazy parties only marine students know how to make are situated in Mannhullet's own bar; *Skipslogen*. Every year there are festivals such as Tyholt Rock Festival, the Regatta or RUKA, and the cabaret of Mannhullets Interne Teater (MiT), which are highlights of the year.

But beer contains calories, and for those who want to burn it away Mannhullet has a gym at Tyholt Campus called *Kraftgangen*. The sporty students of Mannhullet have access to a range of wildlife equipment, and annual trips to the woods and the mountains have become a tradition. Recently Mannhullet also started an own football club, FK Marin. The supporter club, Bulben, contributes to a good environment at the football matches.

There are constantly things going on in Mannhullet, and the choir *Tåkeluren* (The Fog Horn) making every gathering unpredictable. Luckily, the marine students have the newspaper *Marina* to keep track of it all – especially the gossip.

Mannhullet's undergroups

Skipslogen - bar

Several student unions have a bar in Trondheim, but *Skipslogen* is indisputable the largest and the best. Students in the bar-group serve a wide variety of drinks, beers and home- brews for all occasions.



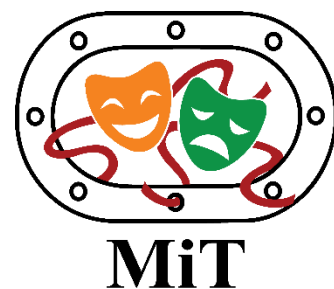
COMA - tramping club

The COMA group is responsible for all outdoor trips. They arrange mountaineering trips on skis and on foot as well as surfing trips to keep the students of the union fit and active.



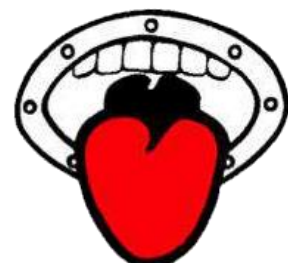
MiT - Mannhullets Internal Theatre

The theatre group create one, unforgettable show every year with huge success, drawing a massive crowd to cheer them on. The show consists of skits and songs that consider today's happenings and problems.



Tåkeluren - choir

Tåkeluren is the most infamous choir in Trondheim, known not for their beauty in tone, but loudness of voice. They gather by the hundreds and have been able to get kicked out of almost every possible choir festival in Norway.



Marina - newspaper

Marina is the newspaper for students and by students. The columns and articles summarise various happenings and presents the gossip that follows a party. No one is safe from the scrutiny of the editors.



Motorboat Committee

The motorboat committee owns its own day boat so that students may go fishing, water skiing or just relax on the fjord outside Trondheim. The newest boat - the fifth of its kind - was purchased as a gift to ourselves on the 100th anniversary of the student union.



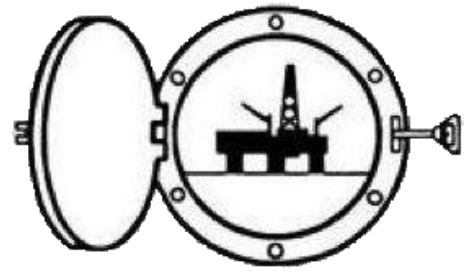
Sailboat Committee

Mannhullet also owns its own sailboat, a Hanse 370 from 2004. All students have access to her during the semester, while the committee members sails her from Trondheim to Oslo or Lofoten every summer.



Bedriftskontakt - industry networking contact

Bedriftskontakt Marin arranges company presentations throughout the year where companies from the maritime industry present their companies and possibly recruit the senior students for permanent positions at their companies. They are also active in advertising summer internships and occasionally arrange excursions.



Marin FK and FKK - men's and women's football club

Mannhullet has two individual football clubs, for male and females. They compete against other students teams from other student unions. They don't always win, but will never lose support from their fan club *Bulben* (faction of *Tåkeluren*)



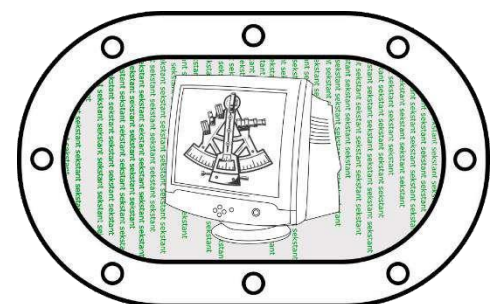
Ølbryggelaugget - the brewing club

Mannhullet also has its own brewing club making delicious beers such as lagers, ales and stouts that are served on tap in our bar. They also make large quantities of beer for quizzes and internal festivals.



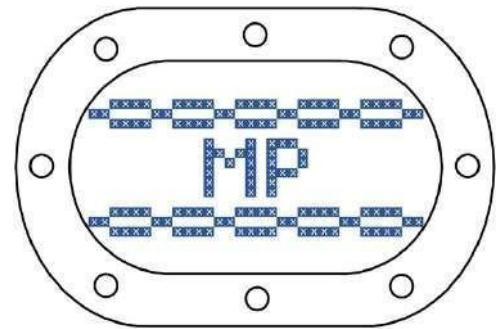
Sekstanten – coding group for mannhullet.no

Sekstanten is a group that have developed and is currently maintaining mannhullet.no. Their main objective is to see that the website is fit for Mannhullets needs, and it is constantly under development.



Marine Pinnar – knitting group

Marine Pinnar meets every week for coffee and knitting and is also introducing Mannhullitter to knitting. Some even knit their own Mannhullet sweater.



MMUG – Media and equipment group

MMUG has been a part of Mannhullet for a long time, but just recently became an undergroup. Famous for its own band “Ship Happens”. They control and know how to use all the digital equipment and is responsible for all the technical for concerts or internal festivals.



AKASTOR 

isklar.