

Guide for Trondheim



Njord: The autonomous ship challenge

August 2025

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1. Travelling to Trondheim

Different options can be used to travel to Trondheim. The two main options are flying to Oslo or directly to Trondheim Værnes Airport (TRD). When flying to Oslo the following options are available to travel to Trondheim:

- Take an inland flight to Trondheim Værnes. Takes around 1 hour.
- Take the train to Trondheim S, the central train station in the city centre. This takes around 7-8 hours. Student tickets can be purchased and the train company is [SJ Nord](#).
- Rent a car and drive over the E6 to Trondheim. This takes between 7-8 hours. There are a number of rental companies like Hertz.

Trondheim Værnes Airport (TRD) lies 45 min outside the city centre. There are multiple ways to get to the city centre:

- Public transport:
 - Værnes ekspressen: This is a quick bus that leaves from the airport and stops at all the majors stops and hotels in Trondheim. It takes 45 minutes to get to Trondheim and student tickets cost 155 NOK a person. There is always a bus until after the latest flight (including possible delays) and 2h before the earliest flight Therefore, this is the best option for late arrivals and early departures. Tickets can be purchased on their [website](#).
 - Train: A cheaper option is to take the train from the airport to the city centre of Trondheim (Trondheim S). A student ticket for zone A of ATB (See section 6) can be used to travel between Trondheim and the airport. Trains go roughly every two hours and it takes 30 – 45 minutes to be in the city centre.
 - Busses: A number of busses can be taken from the airport to Trondheim. This can be done using the zone A ticket of ATB. Busses go frequently and it takes around 45 minutes to 1.5 hours to reach the city centre.
- Taxi: taxies can be taken from the airport to your hotel. It is the fastest way to travel (around 30 minutes) but also expensive with around 900 NOK per [taxi](#).

A tip to find busses and trains in the ATB app is to check off the airport busses in the filters.

An overview of travelling from and to the airport:

Type	Travel time	Often	Price
Værnes ekspressen	45 min	Every 30 min	155 NOK (single ticket)
Train	30 - 45 min	Every 2h	46 NOK (single ticket)
Busses	45 min – 1.5 h	Every 15 min	46 NOK (single ticket)
Taxi	30 min	All day	900 NOK (per taxi)

2. Communication and emergency numbers

Below the emergency numbers in Norway are provided with important distinction for using them. As well the method of communication with Njord is shared. The exact details during the competition days and tasks will be shared in the team brief on the 9th of August.

2.1 Emergency numbers

In Norway there are the following emergency numbers:

- 110: Fire department
- 112: Police urgent calls, non-urgent calls 02800
- 113: Ambulance services (only life threatening situations), out of hours urgent care: 116 117

More information can be found [here](#).

2.2 Reaching Njord

The following people of Njord can be reached if anything is needed. Please only call if urgent otherwise first text or send a WhatsApp.

- Jostein Jacobsen:
 - Head of competition planning
 - Contact for: Everything
 - Phone: +4792295138
 - Email: jostein.jacobsen@njordchallenge.com
- Anine Ødegaard:
 - Head of logistics
 - confidential contact for woman
 - Contact for: Logistics during the weeks
 - Phone: +4795130844
 - Email: anine.odegaard@njordchallenge.com
- Kasper Tufte Langland:
 - Project manager
 - Confidential contact for men
 - Contact for: General when Jostein can't be reached
 - Phone: +4795840089
 - Email: kasper.langland@njordchallenge.com
- Eirik Heir:
 - Deputy project manager
 - Contact for: When people above can't be reached
 - Phone: +47 47965184
 - Email: eirik.heir@njordchallenge.com

2.3 WhatsApp groups

There will be two WhatsApp groups for the competition. The first consists of the team leaders of all teams and the managers & competition planning of Njord. In this Njord will provide important information during the competition weeks and provide needed data. This is also a place for the team leaders to ask questions or give important information about their team.

The second group will consist of all team members and Njord if people want to. This group can be used for everything. Plan nights out, ask help to Njord or other teams, ask to lend things or get tips during the competition. It is open to the teams how to use and this allows easy contact between everybody.

For private and/or personal things the people above can be reached. Shared things will be held confidential.

3. Njord locations

There will be multiple locations used during the weeks: Gløshaugen campus, NTNU warehouse, Havet Arena.

3.1 Gløshaugen

Gløshaugen campus is the biggest campus of NTNU in Trondheim. This is centrally located. The office of Njord is here and the team brief and team presentations will be held here in lecture hall EL5.

- Lecture hall: [EL5](#) (building Gamle Elektro)
- Address Elektro: Gamle Elektro, 7034 Trondheim
- Address meeting point: Høgskoleringen 1, 7034 Trondheim
- Closest bus stops: [Høgskoleringen](#) (bus 3, 22, 25) and [Gløshaugen](#) (bus 3, 22)

The company day will be held at Gruva NTNU at the Gløshaugen campus:

- Hall: [Gruva NTNU](#)
- Address: Sem Sælands vei 1, 7034 Trondheim
- Closest bus stops: [Gløshaugen](#) (bus 3, 22)

3.2 Warehouse

During the two weeks we will be using our new warehouse as the base for all teams and a testing area by the warehouse of NTNU in Nyhavna. This warehouse will provide tools and places to work on your ASV. The testing area is next to the water where there will be an area to wet test your ASV's. The plan is to make a relaxing area with some couches, microwave and possibly a fridge. The testing area is closed off with an electronic gate to enter. The code for this will be provided later.

- Addresses - Main warehouse: Skippergata 13, Testing area: Kobbes gate 11, 7042 Trondheim
- Electronic gate to access testing area

- Free short term parking (during the day) beside Dora
- Place to work on ASV, basic toolkits and electric drill available
- Access to waterside to wet test ASV
- Relaxing area, toilets
- Closest bus stops: [Dora](#) (5 min walk, bus 20, 71), [Dyres Halses gate](#) (10 min walk, bus 2, 10), [Solsiden](#) (14 min walk, bus 1, 12, 20, 22, 70, 71), [Buran](#) (12 min walk, bus 1, 2, 12, 22, 28, 70)

3.3 Havet Arena

The location of the competition arena is at Havet Arena. This is a 5 minute walk from the warehouse. A place next to the jury will be provided for control during the performance of the tasks. Team tents will be set-up to work on the ASV or store your belongings during the day when not performing the task. The longhouse will be available during the whole day and will be used during rainy days. A big terrace will be used for the lunch each day. Launching the ASV can be done on the Kayak barge further North on the quay. Access to the barge providing the docking task is provided by a ladder.

- Address: Strandveien 104, 7067 Trondheim
- Workplace with team tent
- Screen for GUI and place for controlling during tasks
- Long house for indoor space (if needed)
- Terrace for lunch, Bar of Havet open after 16:00 PM
- Location for sauna and party night
- [Kayak barge](#) to launch ASV (10 cm above water)
- Closest bus stops: [Dora](#) (5 min walk, bus 20, 71), [Dyres Halses gate](#) (15 min walk, bus 2, 10), [Solsiden](#) (20 min walk, bus 1, 12, 20, 22, 70, 71), [Buran](#) (12 min walk, bus 1, 2, 12, 22, 28, 70)

4. Provided by Njord

The following things will be provided by Njord during the competition weeks. These can be split in safety, catering and support.

4.1 Safety

The following safety measures will be provided by Njord at both locations during the competition:

- Life jackets (12 in total)
- Fire extinguishers, fire extinguishers for lithium-ion batteries, fire blankets
- First aid kits

- Escape plan and signs for escape route

4.2 Catering

Catering will consist of lunch from the 11th of August until the 15th of August. Dinner is provided on the 14th of August at the sauna and party night and during the gala dinner on the 15th of August.

4.3 Support

During the competition Njord will provide the following support:

- Wi-Fi at both locations
- Batteries if they can't be shipped or taking with travelling
- Battery chargers
- If very important/critical, helping by driving to hardware stores

5. Transport of ASV

Transporting the ASV could bring a lot of challenges and Njord can assist in some things. Transporting the ASV to and from Trondheim is up to the teams.

5.1 To and from Trondheim

Teams are allowed to choose how to transport their ASV to and from Trondheim. You can ship it or if possible take it on the plane with you. When shipped it can be sent to the address of the warehouse with Mathijs as contact person. The ASV can be delivered from the 5th of August. The ASV needs to be picked up by the transport company within a week after the competition. Earlier arrival can be discussed but is unsure due to the availability of Njord personnel in Trondheim during the vacations. An overview of the points:

- Shipping address: Kobbes gate 11, 7042 Trondheim
- Contact person: Jostein Jacobsen
- Delivery from 4th of August and shipping back before 23th of August

Transporting batteries can be a difficult task. Not all shipping companies want to transport batteries and when taking it on you by plane has its limitations as well. Njord has batteries that can be used which are described in the [Team Handbook](#). If needed Njord can order additional batteries if transporting them is a problem, please check this early and inform Njord (Mathijs) in time.

5.2 During competition

During the competition the teams will need to carry their ASV from the warehouses to the competition arena. This is not an insignificant distance, therefore we suggest all teams to make their ASV easy to transport. Our idea for you is to attach handles to your ASV to be able to carry it between two people while walking. This is inspired by Team Navier during last year's competition.

6. Public transport in Trondheim

Trondheim has a vast bus network across the whole city. This is the easiest way to get around in the city. On top of this there are electric scooters and bikes that you can rent via an app.

6.1 Busses and Tram

ATB is the bus company in Trondheim and has created a good bus connection all over the city. The city centre can be easily reached by multiple bus lines and tickets can be bought online in [their app](#). For Trondheim you will only need tickets for zone A. Student discounts are given on long term tickets. When younger than 20 you are allowed to use the cheaper child tickets. Single tickets are valid for 1.5 hours on weekdays and 3 hours in the late evenings and the weekend. The tickets for 7-day and longer are also valid on the night buses. The pricing of the tickets is as following:

Ticket	Single	24h	7-day
Student	43 NOK	138 NOK	301 NOK
Child	21 NOK	69 NOK	125 NOK

There is one tram line (9) which goes between the city centre (Stop: [St. Olavs gate](#)) to Lianvatnet (Stop: [Lian](#)). This takes you to the lake, tram museum and just outside the city. The ATB tickets can be used to take the tram.

6.2 Scooters

Electric scooters can be used for quick travelling. There are multiple options:

- [VOI](#), most commonly found throughout the city
- [Tier](#)
- [Ryde](#)

6.3 Bikes

Another option is to rent bikes. These are electric city bikes but be aware that there are a lot of hills just outside the city centre. The following apps can be used to rent a bike:

- [Tier](#)
- [Trondheim City Bike](#)

7. Money and stores

During your stay, the following stores can come in handy. Since Norway has a different currency (NOK) you need to take into account conversion rates and valuta changes. Norway is a cashless society and therefore, getting cash is not necessary.

7.1 Supermarkets

There are 6 different supermarkets in Trondheim:

- KIWI, cheapest basic prices and big choice
- REMA 1000, cheap, good discounts (with Æ-apps, code will be provided) and big choice
- Bunnpris, expensive and small choice
- Meny, expensive and very big choice with special products
- Obs, expensive and very big choice
- COOP (Prix, mega), expensive and big choice

Alcohol above 4.8% is sold at Vinmonopolet, the national liquor store. Remember that alcohol and sugar are heavily taxed and are expensive to buy. Alcohol becomes very expensive when drinking at bars and terraces.

7.2 Hardware/electronic stores

When you need some special tools or electronics you can go to:

- Biltema, cheap hardware store with basic tools and basic electronics
- Jula, cheap hardware store with good tools and basic electronics
- Obs, hardware store with big choice between tools and other things
- Jernia, small hardware store
- Elkjøp, electronics store

8. Weather

The weather in Trondheim can quickly change during each day all year round. Therefore, the weather in summer can be very unpredictable. This results in summers with sunshine and 30°C or weeks of rain with max 15°C. The competition will take place even when it rains and everything will keep going in the city. Only in extreme weather conditions (Norwegian view) we will stop or cancel the task on that day. Be prepared for all weather types when you come to Norway: 5-30°C with possible sunshine, cloudiness, rain, hail and possible strong wind. The positive part is that bad weather can disappear in matter of 30 mins to an hour. The national weather institute is [Yr](#) and this gives the best predictions and warnings when applicable.

9. Things to bring

The list of things is an advise from us to bring to Trondheim.

9.1 Practical

The following things are practical to bring:

- Passport
- Student ID, gives discounts at a lot of places
- Travel adapter for your chargers, EU sockets are used in Norway
- Sun screen

9.2 Clothes

Knowing the changing weather, the following clothes are useful:

- Rain jacket (and trousers), umbrellas
- Summer clothes, sunglasses
- Warm clothes for working at night at the warehouse (No heater)
- Swimsuit for Sauna
- Outfit for Gala

10. Things to do

There are a lot of things to do in Trondheim during the free time. The following sightseeing spots are in and around the city centre:

- [Kristiansten festning](#): Old fortress with a view over the city centre.
- [Baklandet](#): Old streets with traditional Norwegian buildings.
- [Gamle Bybro](#): Oldest bridge in Trondheim, view over the river with the traditional Norwegian buildings.
- [Nidarosdomen](#): Cathedral in the city centre. Biggest cathedral in Norway and centre of the catholic community in Norway.
- [Torvet](#): Square in the middle of the city centre with statues and restaurants and terraces.
- [Skansen](#): park area near the yacht harbour.
- [Tyholttårnet](#): Old telephone tower on top of the hill in the city. Transformed in a restaurant with a 360° rotating floor to see the complete city and its surroundings.

The following nature places are nice to see

- [Ladestien](#): Nature area with beaches, old bunkers and hills at the fjord close to Nyhavna
- [Bymarka](#): Nature area with the highest hill near Trondheim.

Shopping/eating areas

- [Solsiden](#): Shopping area with multiple bars and restaurants at the water near Nyhavna
- [Baklandet Skydsstation](#): Norwegian restaurant with good Norwegian dishes
- [Den Gode Nabo](#): Bar & restaurant next to the old bridge which has a floating terrace in the river. Known for its range of special beers.

Activities:

- Bowling: [Dora 1](#) and [Centrum Bowling](#)
- Minigolf: [Trondheim Camping](#)

Traditions/rules in Trondheim

- Cava Sunday: Tradition for students in Trondheim to go to Solsiden to drink at the bars.
- To enter a bar after 19:00 PM you must be 20 and over. Make sure to have your ID with you when going out.
- Hard liquor is served in bars for people of 21 and over.

11. Overview apps

The apps of the following companies and organizations are useful:

- Campus map: [MazeMap](#)
- Public transport: [ATB](#) (Use the grey app!)
- Scooters: [VOI](#), [Tier](#), [Ryde](#)
- Bikes: [Tier](#), [Trondheim City Bike](#)
- Weather: [Yr](#)