



2025-11-05 International Diving Seminar,
Øyvind Loennechen



New name, same goal

From PSA to Havtil

- On 1 January 2024, the Petroleum Safety Authority Norway (PSA) changed its name to the Norwegian Ocean Industry Authority (Havtil).
- The new name reflects an expansion in the scope of our responsibility.
- We have a new name, but our goal remains the same: - to help safeguard life and health for everyone covered by our supervisory regime.



What is Havtil?

The Norwegian Ocean Industry Authority (Havtil)

- A directorate and supervisory authority subordinate to the Ministry of Energy (ED)

Areas of responsibility

- Petroleum operations offshore and at land plants
- Renewable energy production offshore (offshore wind power)
- Prospecting and extraction of seabed minerals
- CO₂ transport and storage

Diving related contacts in Havtil

Diving specialist



Ulrik Junge

Subject matter expert & Diving Doctor



Bård Humborstad

County Governor of Rogaland
Statsforvalteren i Rogaland (SFRO)

Diving specialist

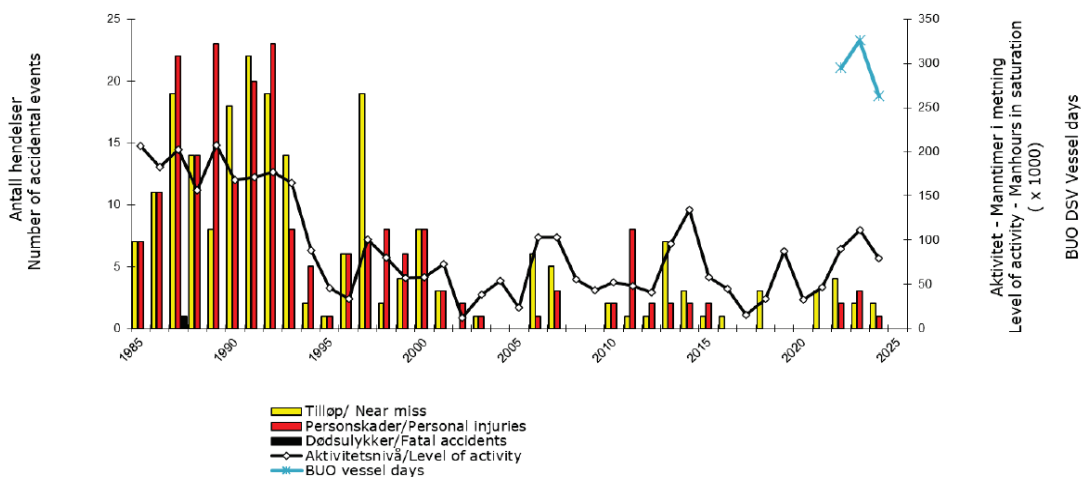


Øyvind Loennechen

Diving activities

DSYS report for 2024

UØNSKEDE HENDELSER VED METNINGSDYKKING UNDESIED EVENTS IN SATURATION DIVING



2024:

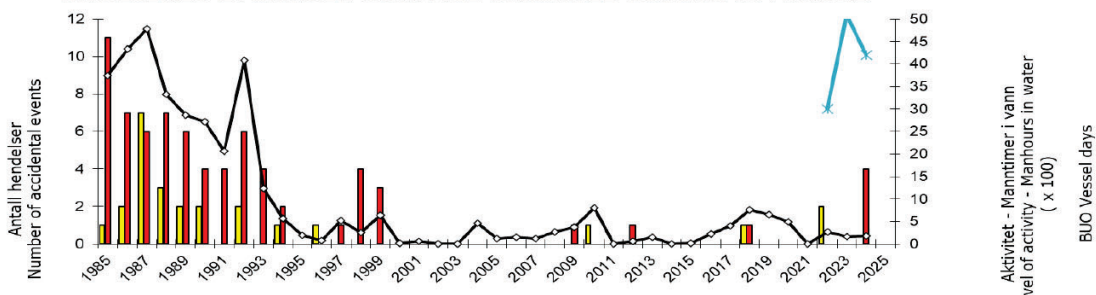
79.613 man-hours in sat on the NCS and under Norwegian jurisdiction.

This corresponds to 263 MUO DSV-days and is below the diving activity levels compared to 2022 and 2023.

A total of two near misses, one medical treatment (muscular), six suspected ear infections and two cases of the flu during sat diving in 2024.

DSYS report for 2024

UØNSKEDE HENDELSER VED OVERFLATEORIENTERT DYKKING OFFSHORE UNDESIED EVENTS IN SURFACE ORIENTED DIVING OFFSHORE



Offshore surface oriented diving:

A total of 42 MUO vessel days including 183 man-hours in water was reported for 2024.

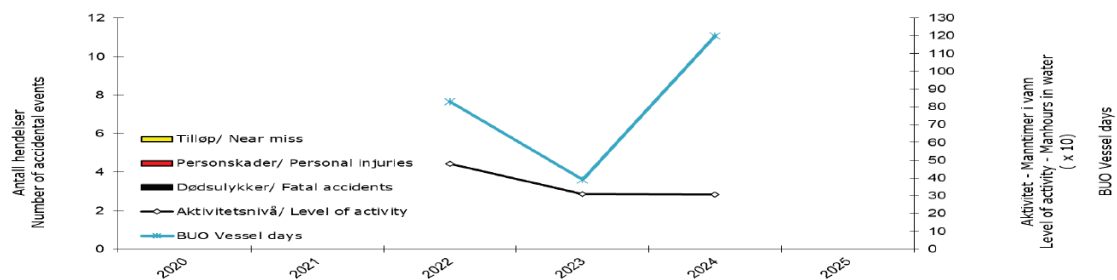
Three serious cases of DCI and one barotrauma was reported.

Landbased facilities surface oriented diving:

A total of 120 MUO vessel days including 306 man-hours in water was reported for 2024.

No incidents or accidents.

UØNSKEDE HENDELSER VED OVERFLATEORIENTERT DYKKING LANDANLEGG UNDESIED EVENTS IN SURFACE ORIENTED DIVING LANDBASED FACILITIES



Diving activity for 2025

For the reporting period jan – june 2025:

- 25 DSV days saturation diving
- 104 days surface oriented diving

Total of 129 diving days in the first half of 2025

Estimated total for 2025:

Approx. 250 diving days

Accidents during offshore diving operations in 2025

- None



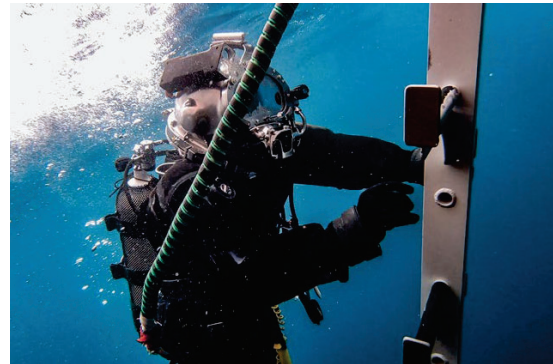
Our focus areas for diving

2024 - 2026

- Havtil Dive Supervisor certification
- NORSOK U-100 corrections
- Propose diving regulations for new ocean industries
- Diver questionnaire survey 2024 completed (RNNP)
- Study on hyperbaric evacuation from TUP

Audits since last diving seminar:

- | | |
|------|---------------------------------------------------------------------|
| 2023 | Equinor PRSi |
| 2024 | Dive schools – Class 1 Surface supplied and inshore Dive Supervisor |
| 2025 | ConocoPhillips Norway – Diving operations on Norpipe Wye |
| 2025 | Equinor - Rapid Response Rescue Vessels (RRRV) |
| 2025 | Vår Energi – Investigation of 3 x DCS in 2024 |



Havtil MUO - Internet presence

[§ Regulations →](#)[👁 Supervision →](#)[Norsk →](#)[📖 Technical subjects](#)[All subjects](#)[Trends in risk level \(RNNP\)](#)[Terms and expressions](#)[Main issue 2025: Artificial intelligence is also a risk factor](#)[Video](#)[Podkast](#)[Working environment](#)[Barrier management](#)[→ Diving](#)[Emergency preparedness](#)[Handling, cranes and lifting](#)[Artificial intelligence](#)[Markeds](#)

Diving

[§ Regulations →](#)[👁 Supervision →](#)[👁 Supervision](#)[→ Audit reports](#)[Investigation reports →](#)[Consents →](#)[Acknowledgements](#)

Audit reports

We publish all of our audit reports to facilitate learning and transfer of experience.

[Read more about our supervision →](#)

Our role in diving operations

Published: 12 April 2019

We are responsible for the regulation and supervision of occupational diving activities in the petroleum industry on the Norwegian continental shelf and at land-based terminals.

[Article | Diving](#)

📖 Diving report for 2024

Published: 27 January 2025

In 2024, two near-misses, one medical intervention, six suspected ear infections and two cases of influenza were reported in association with saturation diving on the Norwegian Continental Shelf (NCS) and foreign shelves under Norwegian jurisdiction. For surface-oriented diving, three serious incidents of decompression sickness and one case of barotrauma were reported.

[News | Diving](#)

📖 Temporary suspension of French diving certificates

Published: 20 January 2025

In a circular letter, the Norwegian Ocean Industry Authority (Havtil) has informed those operators on the Norwegian shelf which have consent for manned underwater operations (MUO) of the temporary suspension of French diving certificates.

[News | Diving](#)

📖 Report on compression and excursion parameters for saturation diving

Published: 20 December 2024

The Norwegian Ocean Industry Authority (Havtil) has had a report prepared that maps updated knowledge in the industry concerning the framework for saturation diving in the North Sea area.

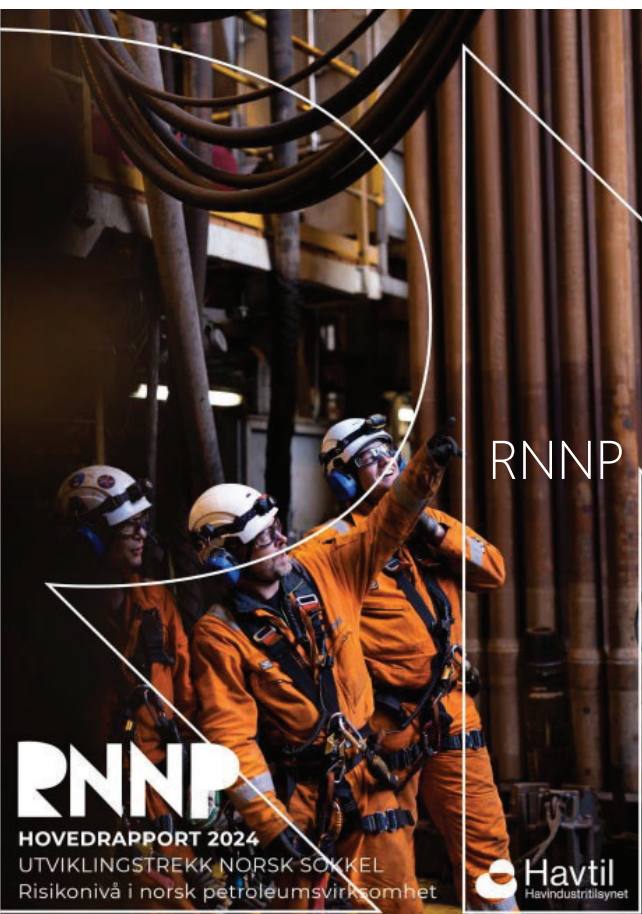
[Project report | Diving](#)

📖 Diving incidents at the Goliat field

Published: 10 June 2024

The Norwegian Ocean Industry Authority (Havtil) has launched an investigation of Vår Energi following several incidents of decompression sickness at the Goliat field in May and June 2024.

[News | Diving | Risk management](#)



RNNP 2024 Questionnaire survey



Trends in risk level in the petroleum activity (RNNP)

Surveys

- Annual survey led by Havtil, bi-annually including diving personnel since 2018.
- Monitors conditions affecting major accident, working environment and acute discharge risks.
- In cooperation with the HSE UK the 2024 Diving questionnaire survey were run both on Norwegian and UK offshore diving operations.

Goals

- Help identify areas critical for safety, occupational health and the environment.
- Concentrate attention on the industry's follow-up of trends and analyses.
- Help to increase knowledge of causes related to accidents and undesirable incidents.

Trends in risk level in the petroleum activity (RNNP)

Adjusted questionnaire

- The diver questionnaire survey was adjusted together with employee and employer representatives from the diving companies
- In Norway paper forms was distributed onboard by the company, in the UK the survey link was distributed to the personnel. About equal number of respondents from Norway and UK.
- The total number of responses matching the numbers from 2022.

Results

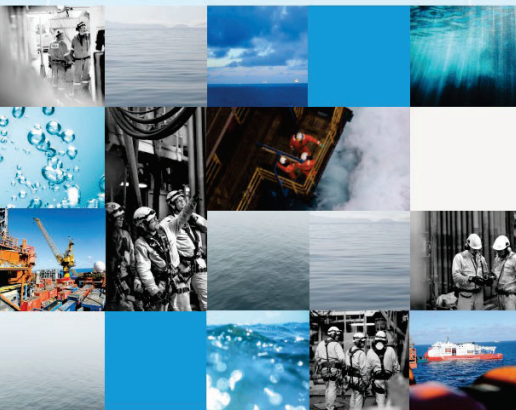
Diving personnel generally respond more positively than offshore employees on indices for HSE climate (i.e., a lower proportion respond negatively to these).

Responses are consistent over the years but with some differences between divers / supervisory personnel and between Norway and UK.

Trends in risk level in the petroleum activity (RNNP)

RNNP SPØRRESKJEMA

UTVIKLING I RISIKONIVÅ PÅ NORSK SOKKEL 2025



DSO, EL & IT-FORBUNDET, FELLESENBUNDET, LEDERNE, LO,
NITO, SAFE, STYRKE, TEKNA, NORSK INDUSTRI,
NORGES REDERIFORBUND OG OFFSHORE NORGE



TUV Rheinland®
safetec



2026 RNNP Diving personnel questionnaire survey coming up for NCS in January.

The survey is made for diving personnel – extending to life support, diving technicians, ROV and DP operators – and may be responded to on paper or digitally.

We appreciate every response received – the more responses the better the analysis of how you believe safety, working environment and acute discharge risks are handled in our industry.

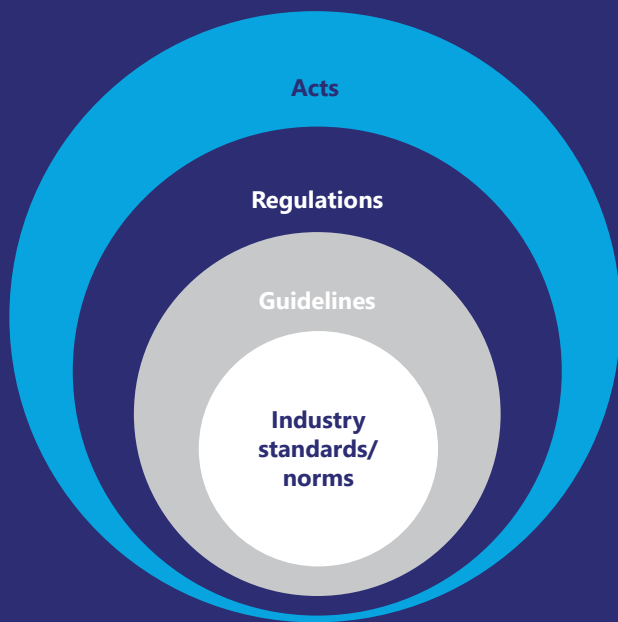
We appreciate your efforts in distributing, collecting and returning the filled in questionnaires.





Regulations

Regulations – Key principles



- Our regulations are mainly performance-based – they specify *what* level of safety is to be achieved, but not *how*.
- Companies are required to establish HSE targets and manage activities accordingly.

Regulations – Key principles

- The regulations reference norms and industry standards
 - providing predictability for users and indicating the expected standard for solutions.
- They give companies the freedom to choose their own solutions
 - and underline where responsibility lies.
- They emphasise the responsibility of the industry/companies for developing relevant and prudent norms and standards.



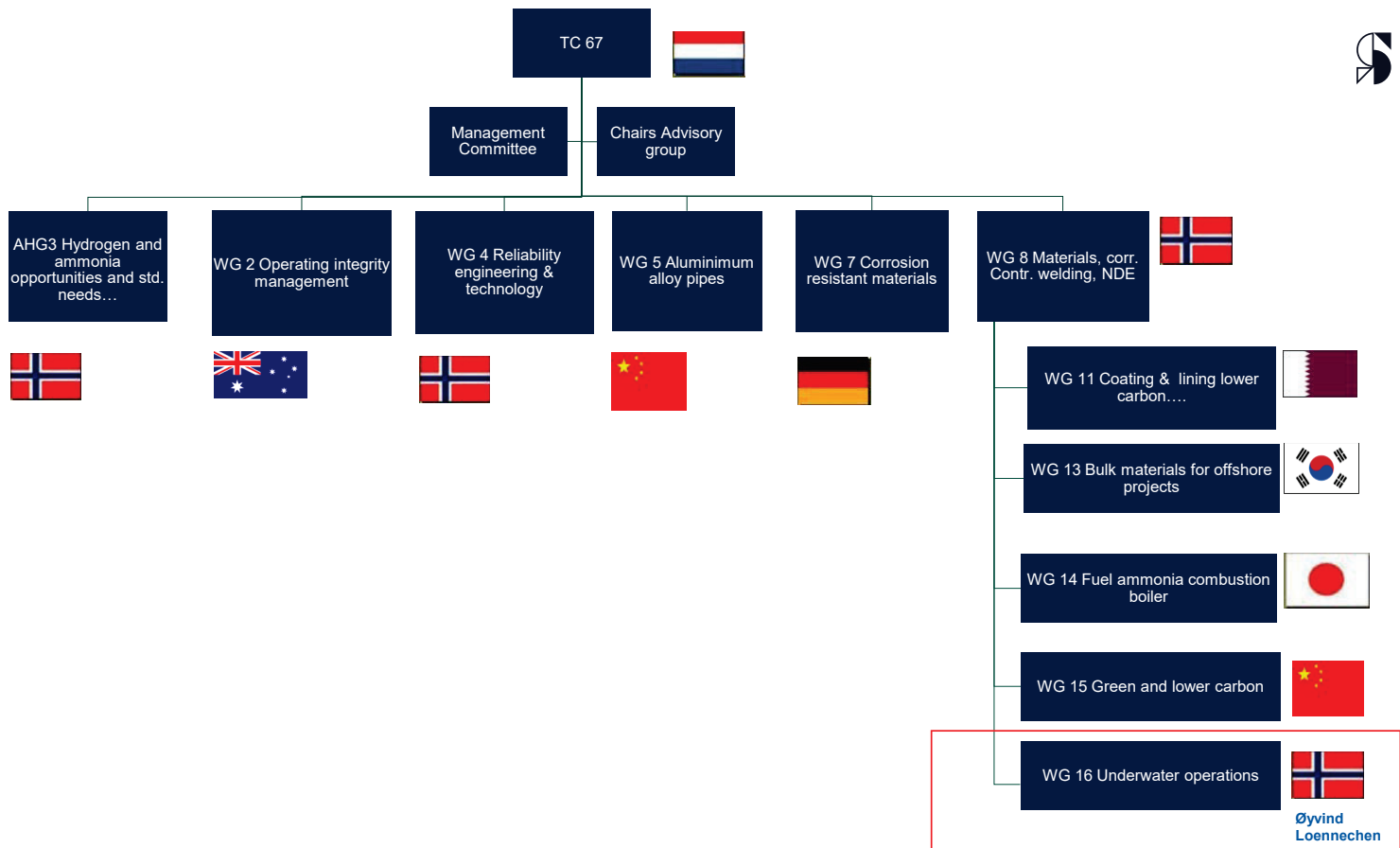
Standardisation

Standardisation

- We are an industry based on guidelines and code of conduct in our membership.
- Is it time to elevate some of the safety issues into international standardisation?
- Will we as an industry benefit from standardising?

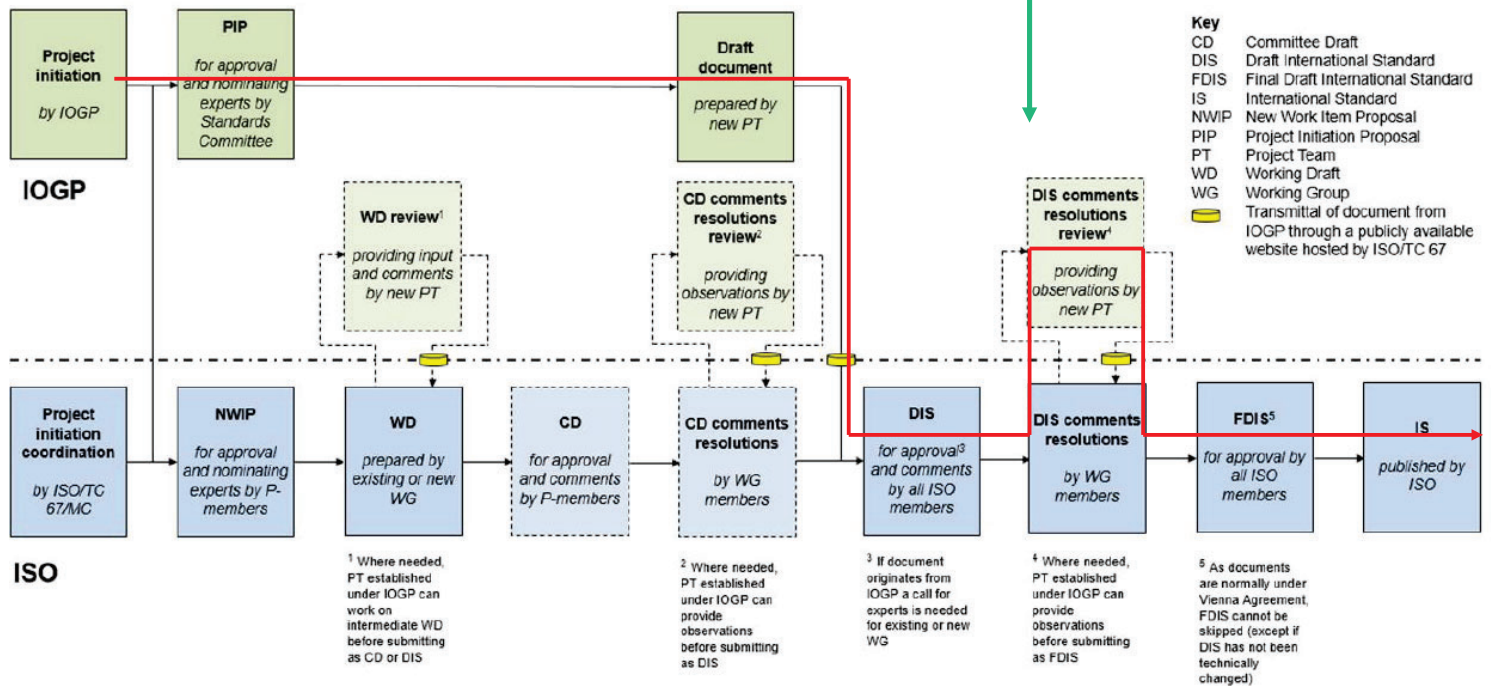
Opportunity

- In ISO under *Technical Committee 67 Oil and gas Industries including lower carbon energy* there is a new Workgroup established – TC 16 Underwater Operations.





Background



6. ISO 25640

**Respiratory equipment -
Breathing apparatus performance
requirements for diving and
hyperbaric applications**



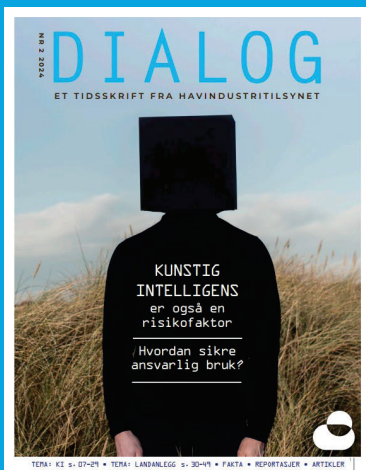
7. Scope of WG 16?

Underwater operation



Knowledge-sharing



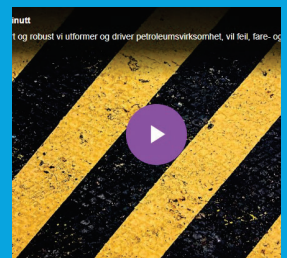


Relevant publications

Read online: Magazines and publications
Order paper editions: dialog@havtil.no

Useful films

- Main theme 2025
- RNNP in one minute
- Barriers in three minutes
- Once upon a time...
(About developments in safety)
- New energy adventure at sea
- How can risk be managed?
- What is the ambition for safety?





Events

RNNP 2024:

How safe are Norwegian petroleum activities?

- 20 March

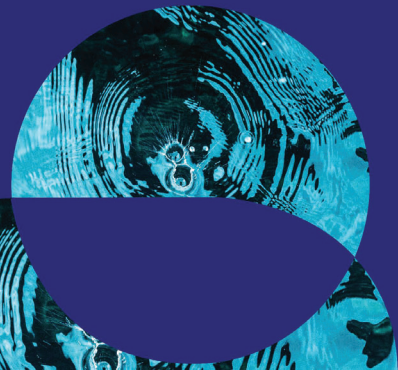
Top Executive Conference 2025

- 30 October

Conferences and seminars

- Don't miss our conferences and seminars in 2025.
- **See up-to-date list at havtil.no**

Main issue



Previous main issues

Havtil's main issues form the basis for discussion, reflection and action in the industry.

2017: Reversing the trend

2018: Valuing safety choices

2019: Safe, strong, clear

2020: Never another major accident

2021: Side by side with the suppliers

2022: Capacity and competence – the key to safety

2023: For safe and stable energy progress. Collectively and concurrently.

2024: Don't forget the working environment!

2025: Artificial intelligence is also a risk factor



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