

Petroleum Safety Authority Norway (PSA)

2021-11-09 International Diving Seminar,
Øyvind Loennechen



The PSA in brief

Safety regulator since 1973.

Regulatory responsibility for safety and the working environment in the petroleum industry.

Regulatory authority for offshore wind power (from August 2020).

Reports to the Ministry of Labour and Social Affairs.

About 180 employees.





Our area of responsibility



Ca. 80 fixed installations/platforms
Ca. 50 rigs/units with AOC



300 subsea installations



8 land-based plants



25 000 people



15 400 km subsea pipelines



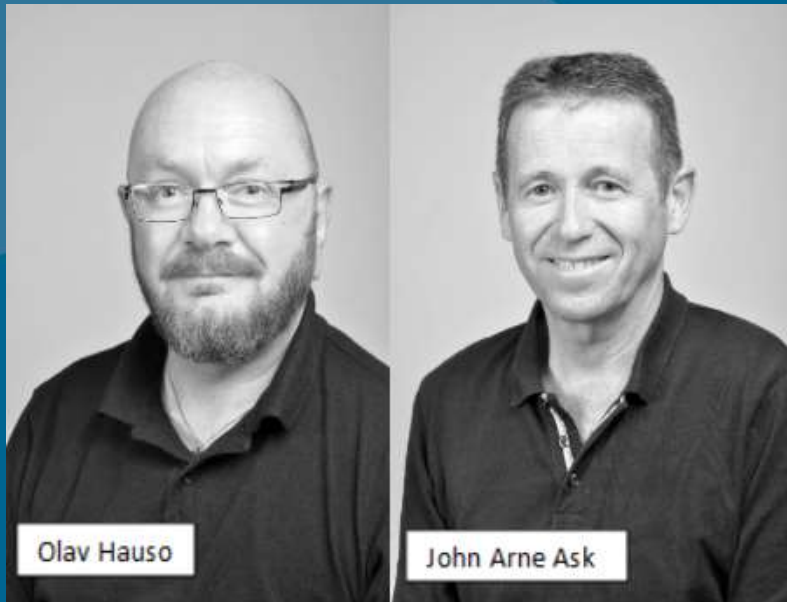
90 fields in production at 1 Jan 2021

Regulatory authority for offshore wind power
(from August 2020)



Diving related contacts in PSA – current situation

Gracefully retired 2021



Will retire 2022

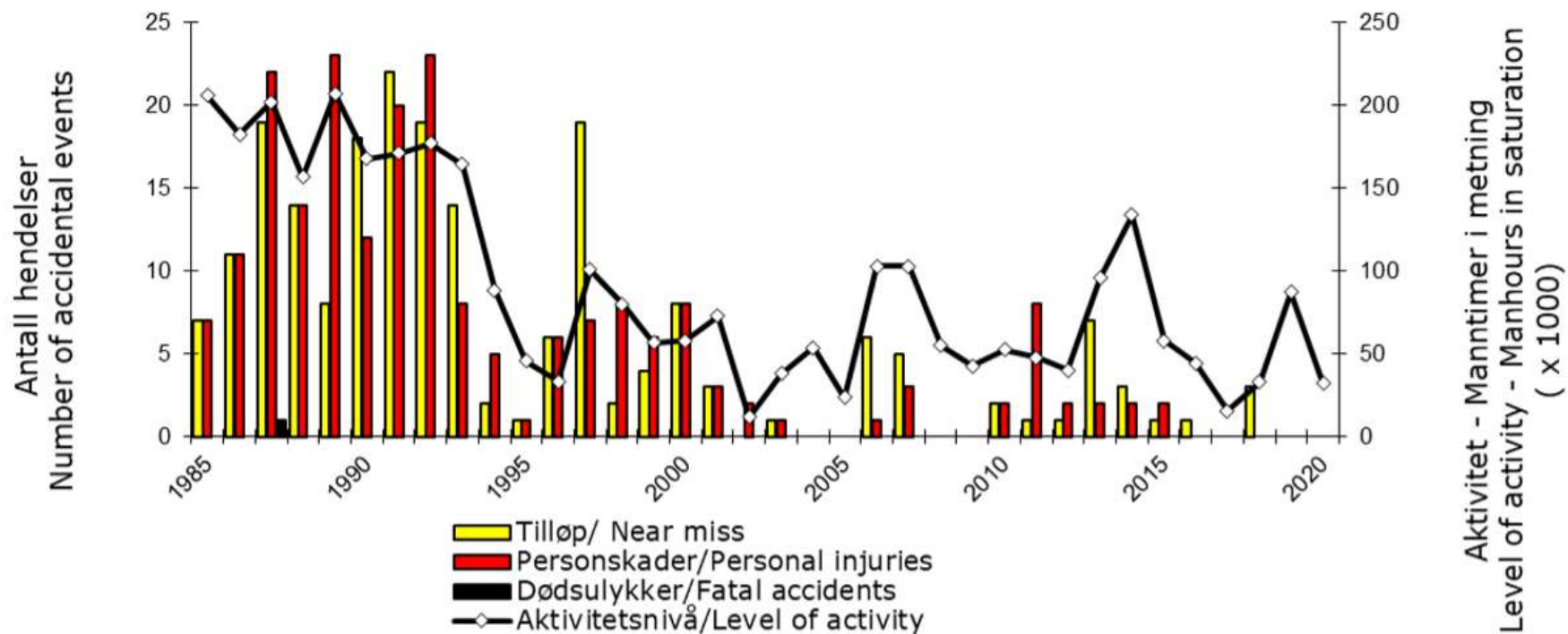


New arrival 2021...



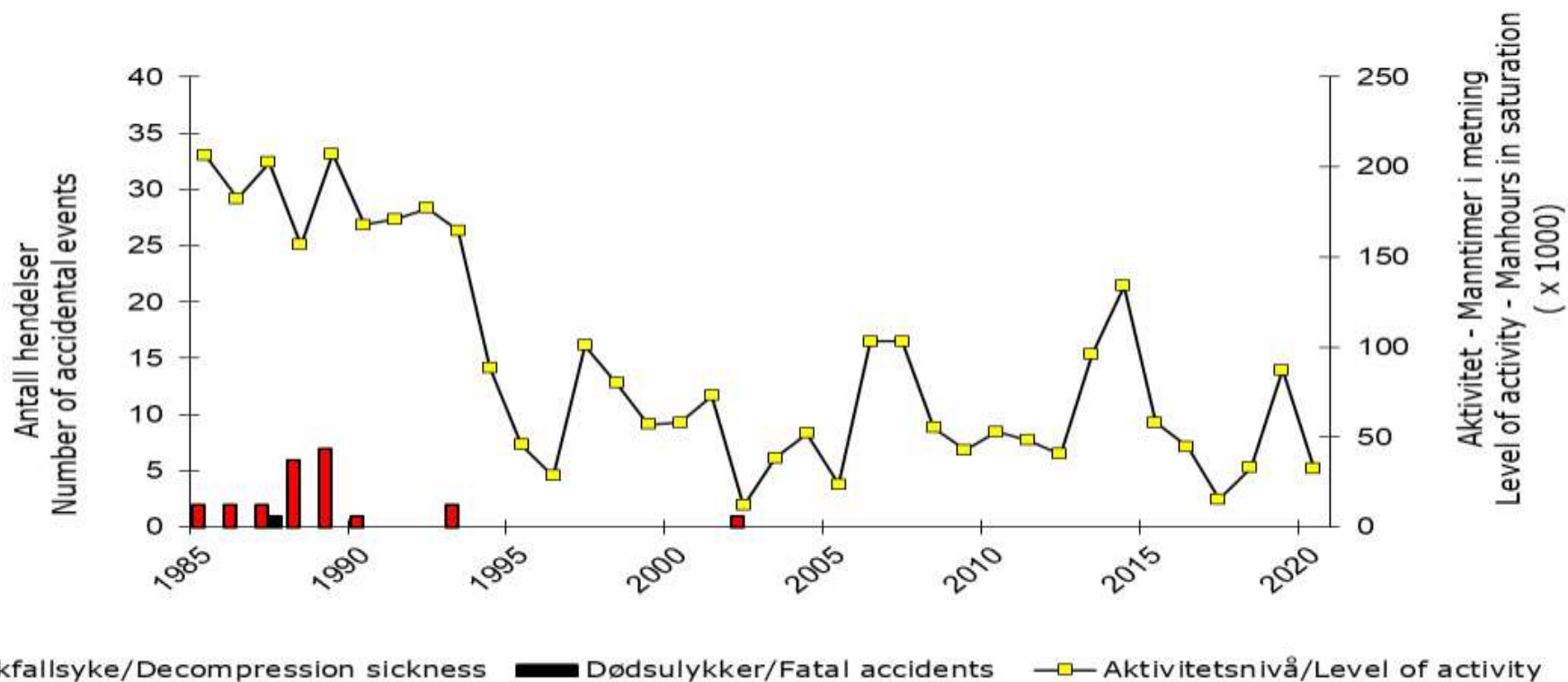
The DSYS database - 2020 Saturation diving

UØNSKEDE HENDELSER VED METNINGSDYKKING UNDESIED EVENTS IN SATURATION DIVING



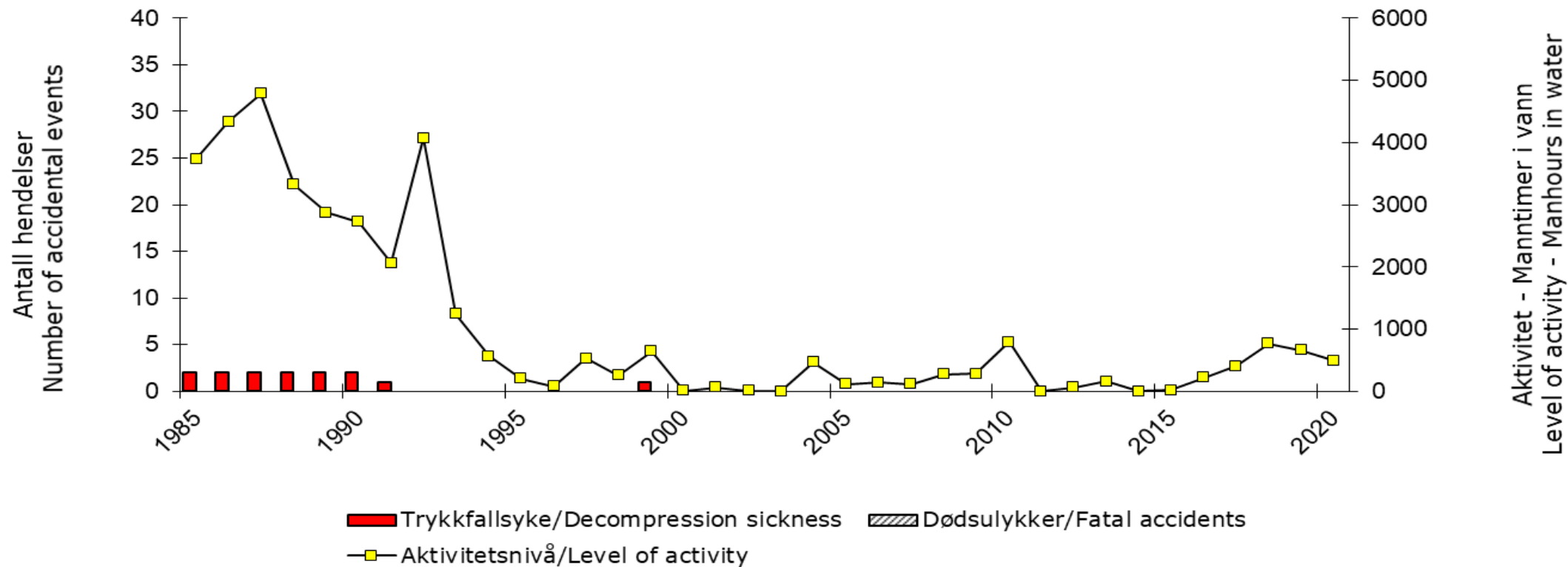
The DSYS database - 2020 Saturation diving

DØDSULYKKER OG TRYKKFALLSYKE VED METNINGSDYKKING FATAL ACCIDENTS AND DECOMP. SICKNESS IN SATURATION DIVING



The DSYS database - 2020 Surface Supplied

DØDSULYKKER OG TRYKKFALLSYKE VED OVERFLATEDYKKING FATAL ACCIDENTS AND DECOMP. SICKNESS IN SURFACE ORIENTED DIVING



Regulatory changes

New reporting requirements for Surface supplied diving at shorebased petroleum facilities

New industries

- **Offshore wind –mandate given to PSA. Regulation under development**
- **Offshore fishfarming – under discussion**
- **Offshore mineral extraction – under discussion**





MAIN ISSUE 2022

Capacity and competence – the key to safety



PETROLEUM SAFETY AUTHORITY
NORWAY

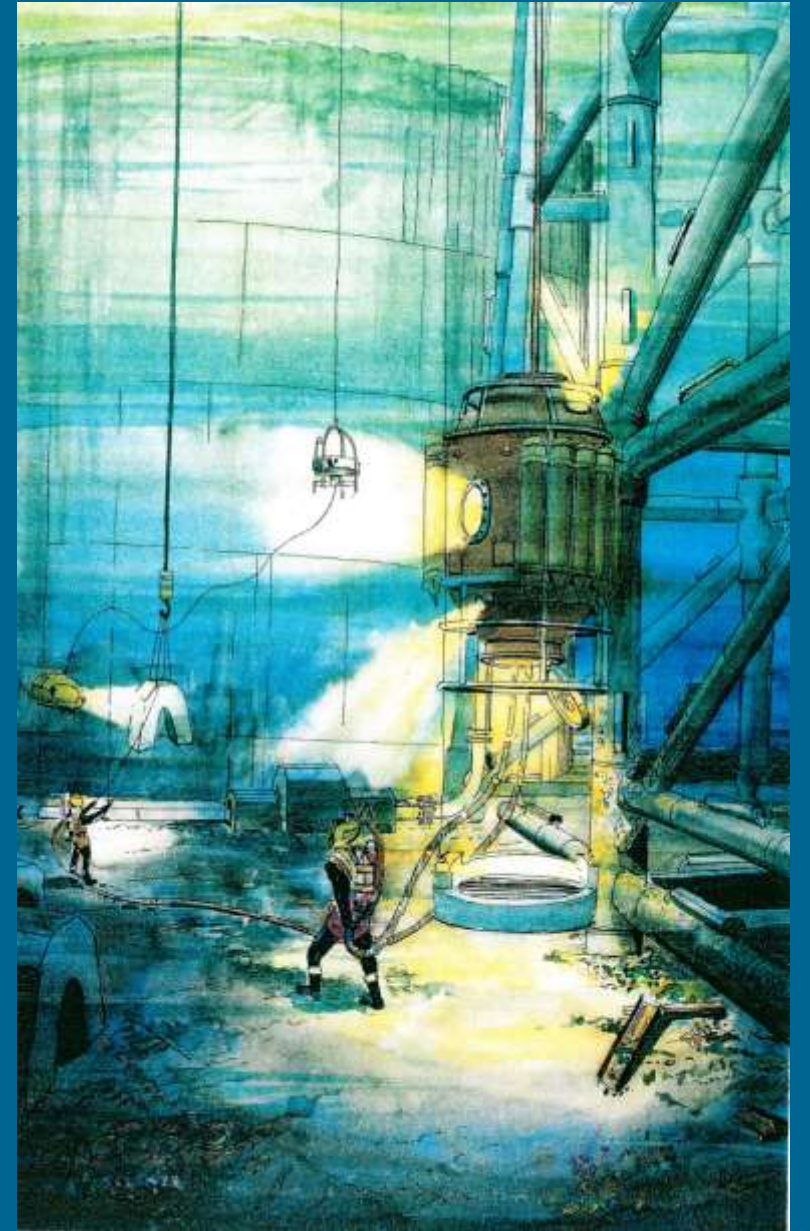
Focus areas

International industry

- Well established and high standards for HSE
- Good international cooperation (HSE UK / IOGP / IMCA / EDTC / IDRCF / DMAC....)
- High investment in technology, vessels and equipment being assigned to NCS continues

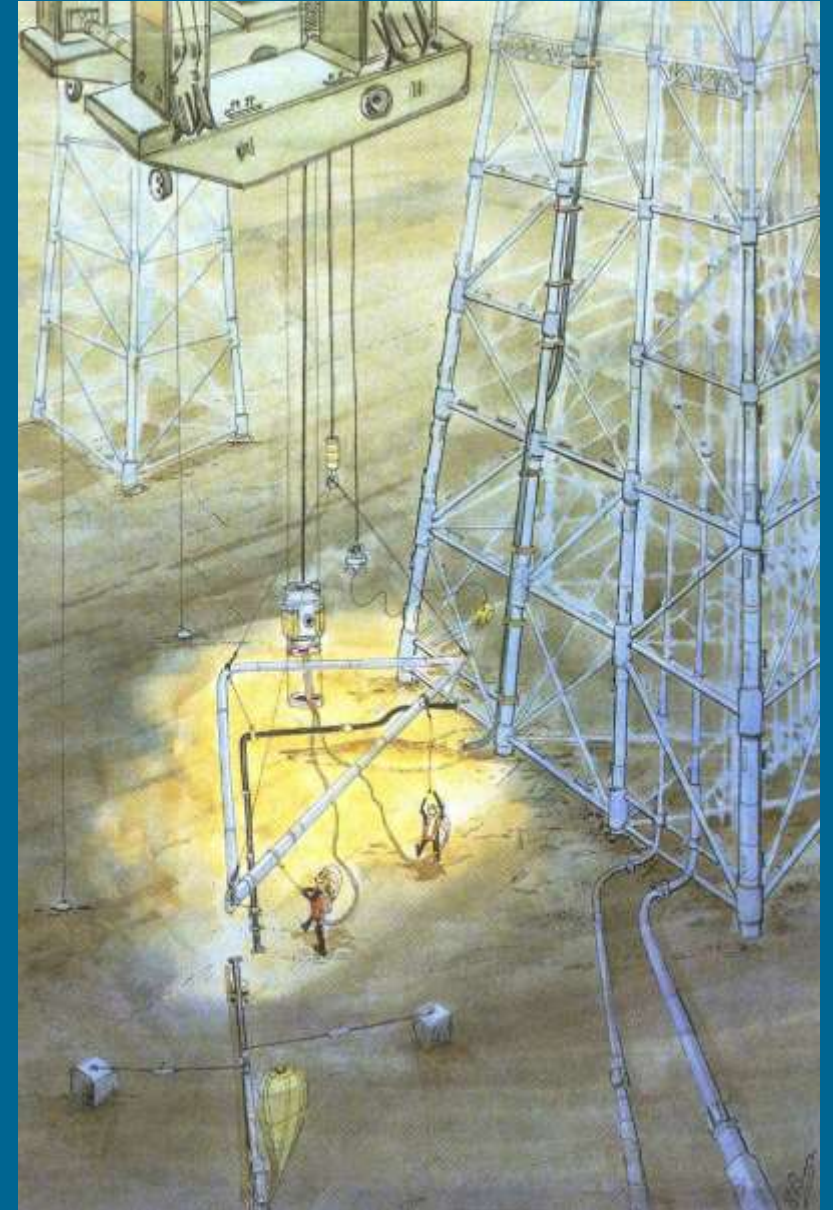
New players in the offshore segment

- Offshore renewable energies (wind, wave, solar & minerals) and large scale ocean based fish farms
- PSA is concerned with level of competency and capacity with both new and existing players



Focus areas

- **NORSOK U-100 under revision. Many topics of the standard proposed for change.**
- **PSA supports the initiative for common European diving table framework which has been a success on NCS since 1991**
- **Increased focus on Operators competence and management of diving operations through audits**
- **Support, within our remit, to continued diving medical and research competency in the Norwegian diving industry**





PSA Diver Certificates

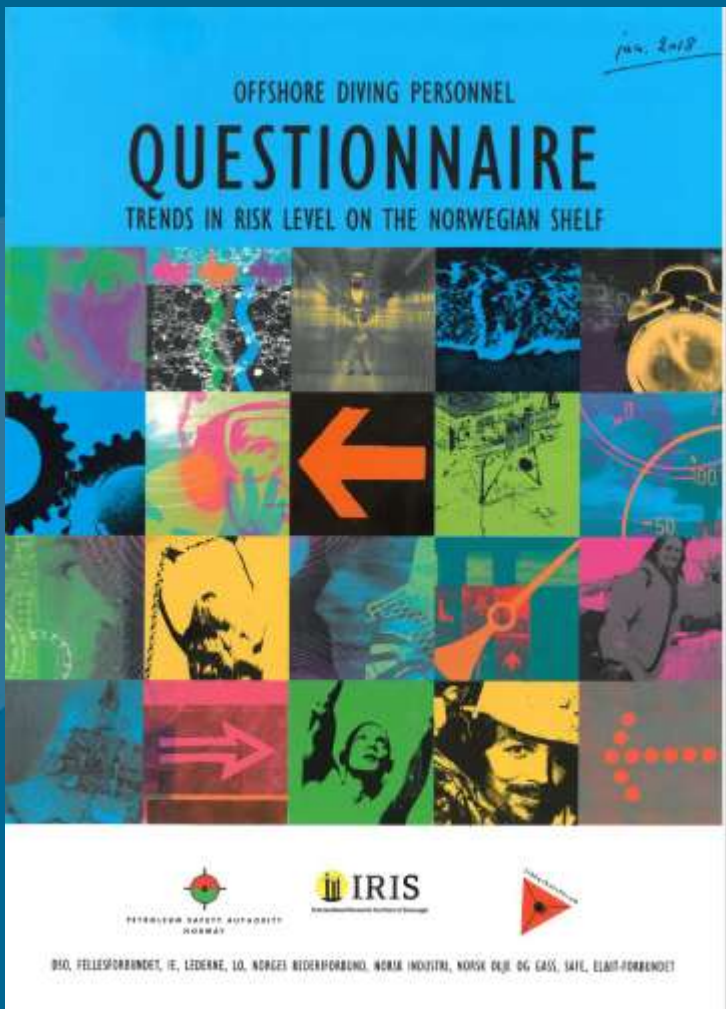
- New layout under construction
- Improved verification possibilities through the QR code.
- Extended user friendliness for the diver – registering and documenting related training certificates
- Many initiatives in the industry for extended use of QR code. We are open for proposals....



RNNP 2020

PSA includes diving personnel in bi-annual questionnaire on HSE in RNNP.

Performed first time in 2018

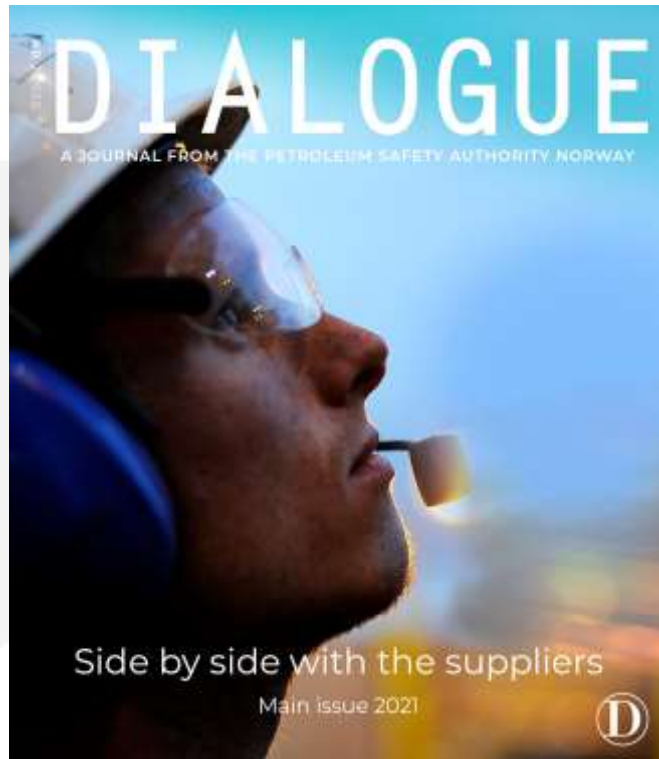


Openness and trust

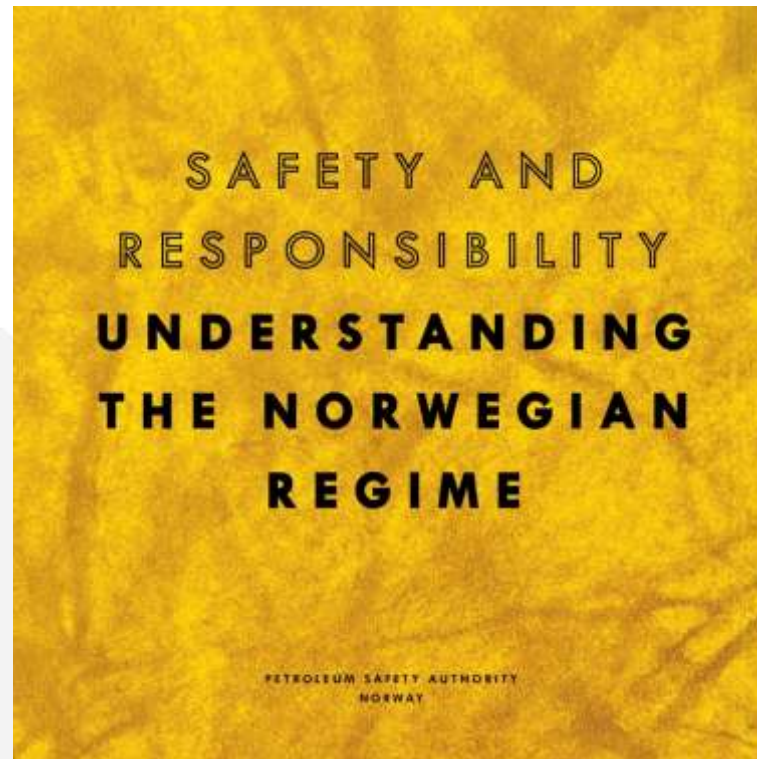
- Openness is a precondition for the exercise of our supervisory authority.
- Tripartite collaboration (companies, unions, government)
- We publish audit reports, consents, investigation reports, etc, on psa.no. The aim is to spread knowledge and share experience.



Publications



Order publications:
margrethe.hervik@ptil.no



Films

[Side by side with the suppliers](#)

[How is supervision conducted?](#)

[The RNNP explained in one minute](#)

[Stronger spotlight on ICT security](#)

