

Invitation to special session at the ESREL/SRA-E conference 2025: Safety and health in the offshore wind industry

The offshore wind industry is experiencing significant growth, bringing with it a set of distinct safety and health challenges. While it shares some similarities with the offshore petroleum sector and land-based wind farms, offshore wind operations possess unique characteristics that demand closer examination. Maintenance work operations require the transfer of personnel to remote sites and transfer to turbines from vessels and involve exposure to falls from heights. Also, challenging weather conditions create small time windows for maintenance work. Combined with low profit margins, this potentially creates pressures on operators and maintenance works.

At present, there is a need for more knowledge regarding the work tasks of offshore wind turbine maintenance workers and the safety and health challenges the work operations create.

The special session welcomes papers regarding all aspects safety and health in the offshore wind industry. Suggestions for thematic areas include, but are not limited to,

- Knowledge transfer potential from related industries;
- Regulatory frameworks for the offshore wind sector;
- Occupational health of maintenance workers;
- Training of maintenance workers;
- Safety culture;
- Work task analyses;
- Supply chains and the utilization of subcontractors.