



To Espoo Point Of Contacts in:  
Norway  
Sweden  
Germany  
The Netherlands  
United Kingdom

Landskab og Skov  
J.nr. 2020 - 19605  
Ref. TIJJE  
Den 21. februar 2023

## Notification of potentially affected parties according to article 3 in the Espoo Convention regarding the Hejre to South Arne development project in the Danish North Sea

Denmark, as Party of origin, would like to notify you about the development of the Hejre to South Arne development project in the Danish North Sea.

INEOS Energy Denmark intends to redevelop and operate the Hejre oil and gas field in the Danish Sector of the North Sea.

The Hejre field is located within the license 5/98 and 1/06 on the Danish continental shelf approximately 300 km west of the Danish Coast, at a water depth of around 68 meters (see Figure 1).

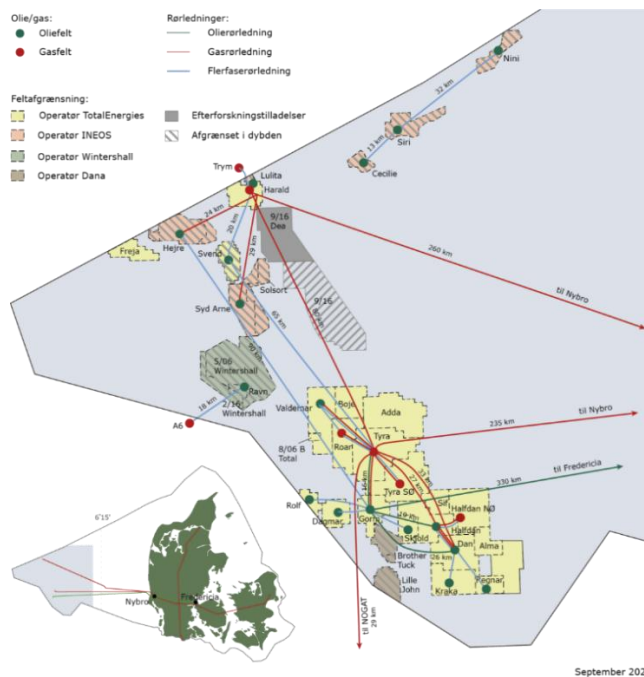


Figure 1: Location of the Hejre Field and other oil and gas installations in the Danish sector of the North Sea.

The Hejre field is a HPHT oil field including natural gas liquids (NGL). The oil will be produced to the South Arne Gravity Based Structure (GBS) for storage and exported by shuttle tanker, similar to the South Arne oil, through the existing South Arne oil offloading system. The gas will be exported through the existing South Arne to Nybro pipeline. NGLs from Hejre will be reinjected at the hostplatform, South Arne, into the South Arne reservoir and will remain there.

The original Hejre concept ('Hejre Legacy') was approved by the Danish Energy Agency in 2011. The platform steel jacket and pre-drilling wellhead deck was installed in 2014. Drilling has been completed in 2016 and at present three High-Pressure / High Temperature (HPHT) wells are ready for production following outstanding production liner perforation and well clean-up scope of work. The ongoing topside fabrication contract was however terminated in 2016. Drilling continued as per original scope and five wells have been drilled of which three are suitable for production and for being part of the Hejre field redevelopment.

The intended redevelopment entails a development solution with a Hejre tie-back to South Arne using the existing Hejre facilities.

The Hejre tie-back to South Arne development concept comprises a remotely controlled unmanned topside at Hejre, the optional drilling of a new well and multiphase tie-back to the host South Arne through a new 30 km multiphase pipeline (either wet insulated or pipe in pipe). The produced wells fluids will be processed at South Arne.

## **Project overview**

The Hejre tie-back to South Arne project includes:

- Construction and installation
  - Construction and installation of a new unmanned topsides at Hejre
  - New fortified riser will be installed at Hejre (existing risers not suitable for shut-in pressure)
  - Perforation and clean-up of 3 existing Hejre wells. Barrier repair of well HA-5.
  - Drilling of a new well; Lunde (optional)
  - Modifications at Hejre jacket to remove the temporary items left over from the original installation in 2014.
  - Outfitting of the Hejre pre-drilling wellhead module installed in 2014.
  - Modification at the South Arne WHPE – a new tie-in module with a slug catcher, multiphase pig receiver and new risers will be installed
  - Modifications at South Arne main – new NGL injection pumps and removal of obsolete degasser unit
- Laying and commissioning of pipeline

- 30 km 10” or 12” multiphase pipeline from Hejre to South Arne
- Umbilical from South Arne with power and control from host.
- > Processing at South Arne for 20 years
- > Decommissioning
- Close-in, plug and abandonment of wells
- Flushing and dismantling of platform and subsea structures
- Empty pipelines and prepare for *in situ* disposal on the seabed if permitted by Authorities

### **Environmental impact assessment of the Hejre to South Arne project**

An Environmental Impact Assessment (EIA) is required in order to obtain an approval for offshore exploration and production of oil and gas and certain industrial plants. This requirement is set forth in Directive 2011/92/EU of the European Parliament and of the Council of 13 December 2011 on the assessment of the effects of certain public and private projects on the environment. The directive is implemented in Danish legislation through the:

- Subsoil act (Consolidation act no. 1533 of 16/12/2019)
- The EIA act (Consolidation act no. 4 of 23/01/2023)
- Regulation on EIA, impact assessment regarding international nature conservation areas and protection of certain species during offshore exploration and production of hydrocarbons, subsoil storage, pipelines, etc. (Executive Order no. 1050 of 27/06/2022).

On this basis an environmental impact assessment and oil spill modelling has been carried out for the project. But the assessment is still subject to changes.

The 8-week long public consultation of the environmental impact assessment is due to take place in Q2 2023 where the Espoo consultation will also take place.

An overview of potential transboundary impacts based on the environmental impact assessment including an evaluation has been prepared – see [Table 1](#) below.

Potential transboundary impact	Receptor
Impacts of planned discharges to the sea during completion of wells and pressure testing	Fish eggs and larva, fish, plankton (pelagic)

Impacts of planned discharges to the sea (wastewater, production chemicals).	Fish, plankton (pelagic organisms)
Impacts of accidental spills and blowouts.	Fish, marine mammals, birds, ecosystems
Impact of air emissions during construction and decommissioning phases.	Air quality and climate

Table 1: Potential transboundary impacts that will be described and assessed in an Espoo report for the Hejre to South Arne development project

### Consultation according to article 3 in the Espoo Convention

Denmark requests a response no later than **21<sup>th</sup> of March 2023** to the following:

- Please acknowledge receipt of this notification.
- Please indicate whether you intend to participate in the environmental impact assessment procedure.
- Comments to the topics included in the scoping of the environmental impact assessment regarding potential transboundary impacts and if relevant other topics that should be included in the environmental impact assessment.

If you have comments to the planned project and the content of the environmental impact assessment regarding transboundary impacts, please send these to the Danish Environmental Protection Agency at [espoo@mst.dk](mailto:espoo@mst.dk) marked **journal number: 2020-19605**. Lastly Denmark points out that the consultation material will only be forwarded as e-mail/electronic post.

Yours sincerely,

**Timm Sonn-Juul**

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[Sådan håndterer vi dine personoplysninger](#)