

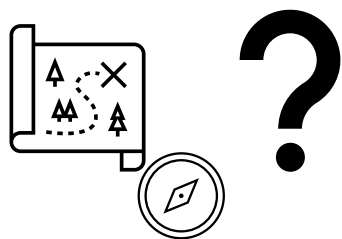
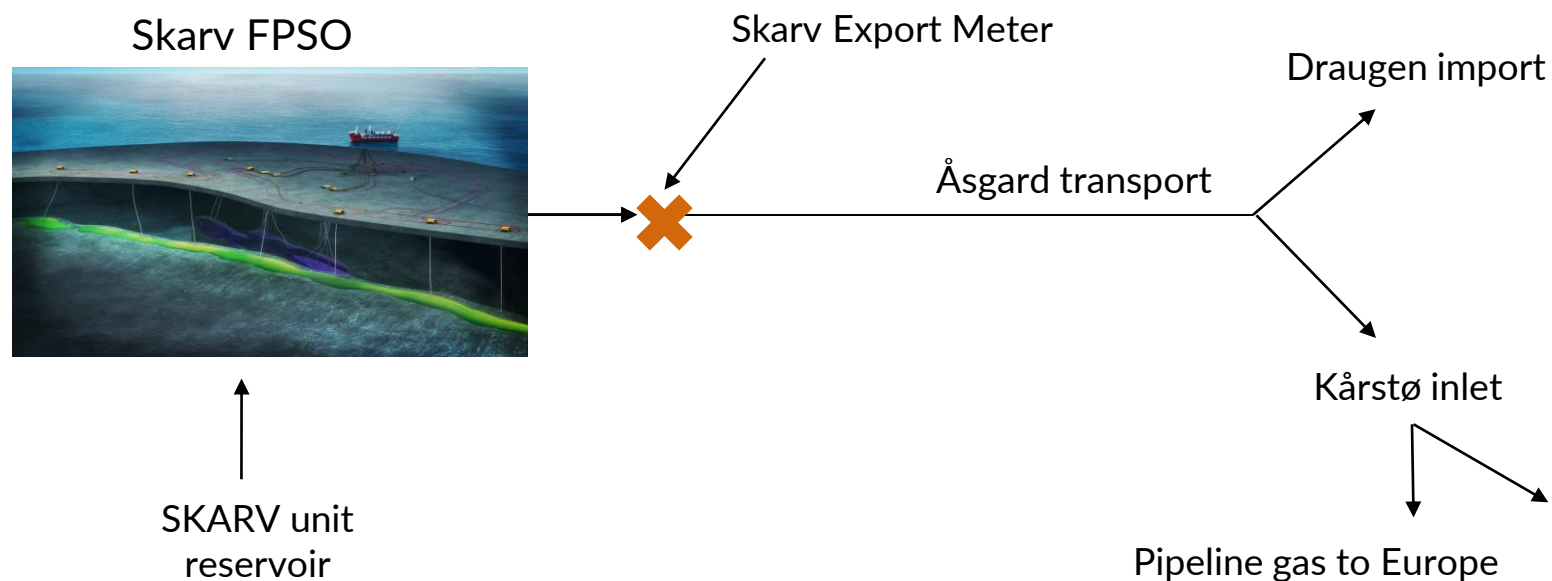
Gas Lifting and Balancing Agreement”

– a practical implementation on Skarv

Proud



Skarv Unit gas flow



Draugen: from Norsk Petroleum

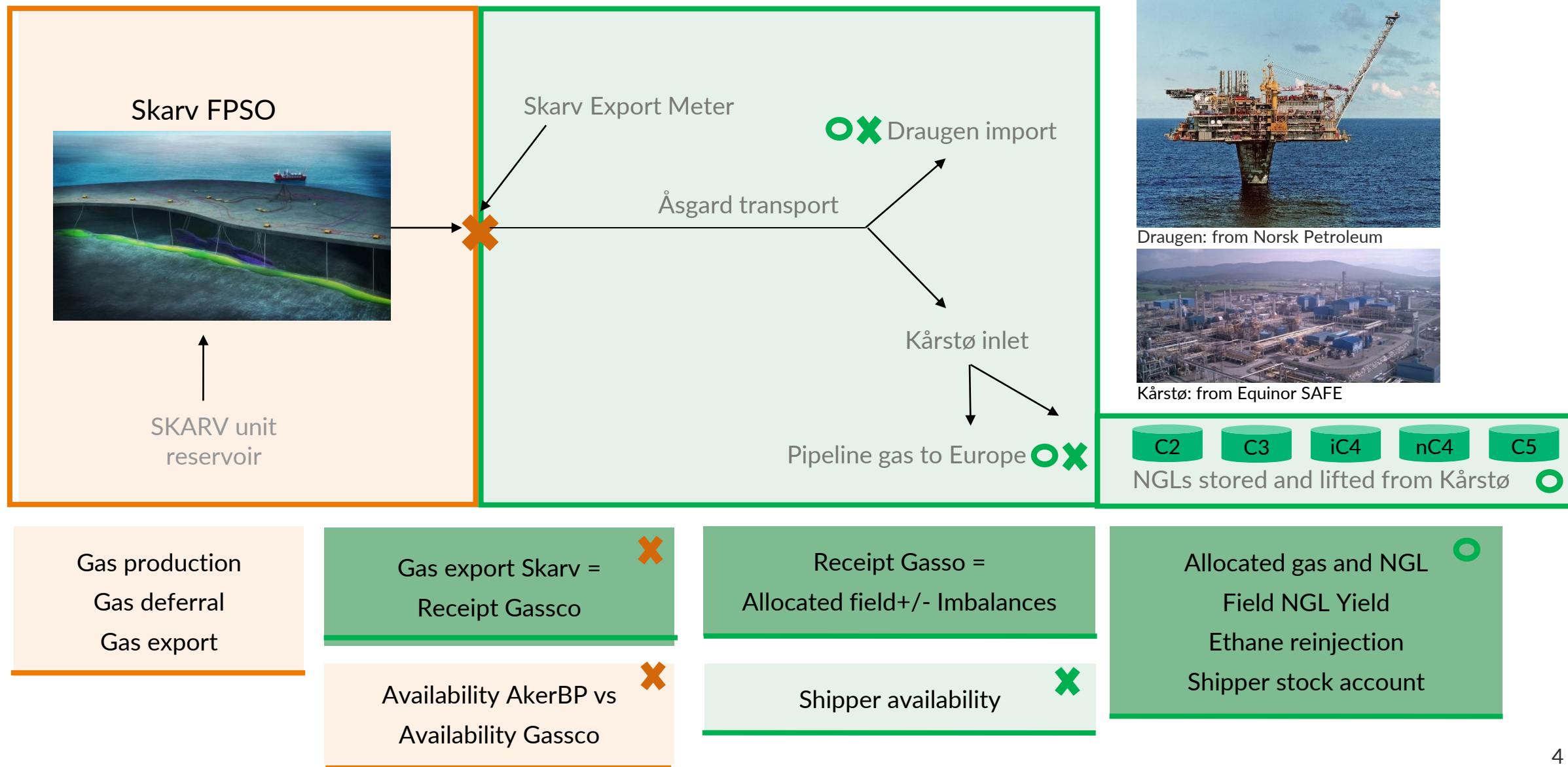


Kårstø: from Equinor SAFE



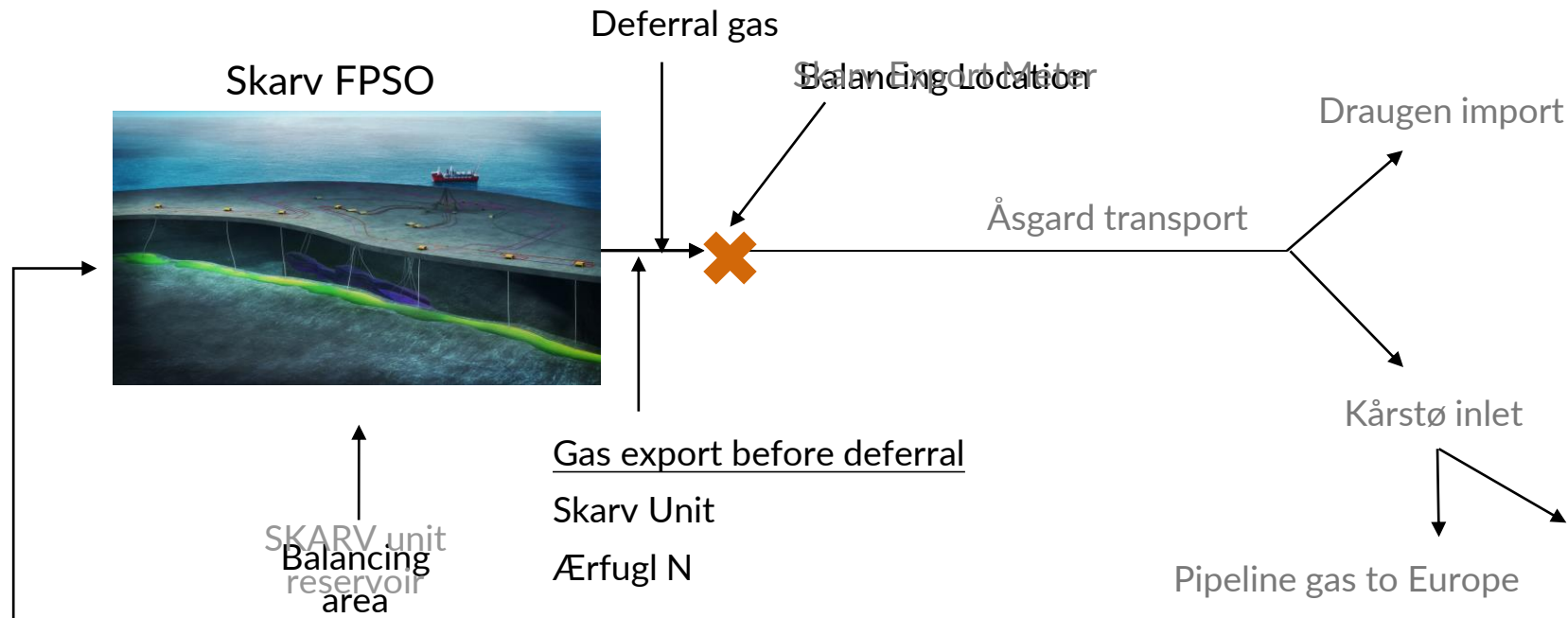
NGLs stored and lifted from Kårstø

Skarv Unit gas flow



GAS LIFTING AND BALANCING AGREEMENT

Skarv Unit Gas



Draugen: from Norsk Petroleum

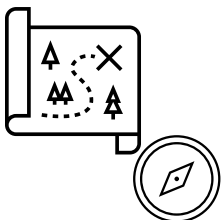


Kårstø: from Equinor SAFE



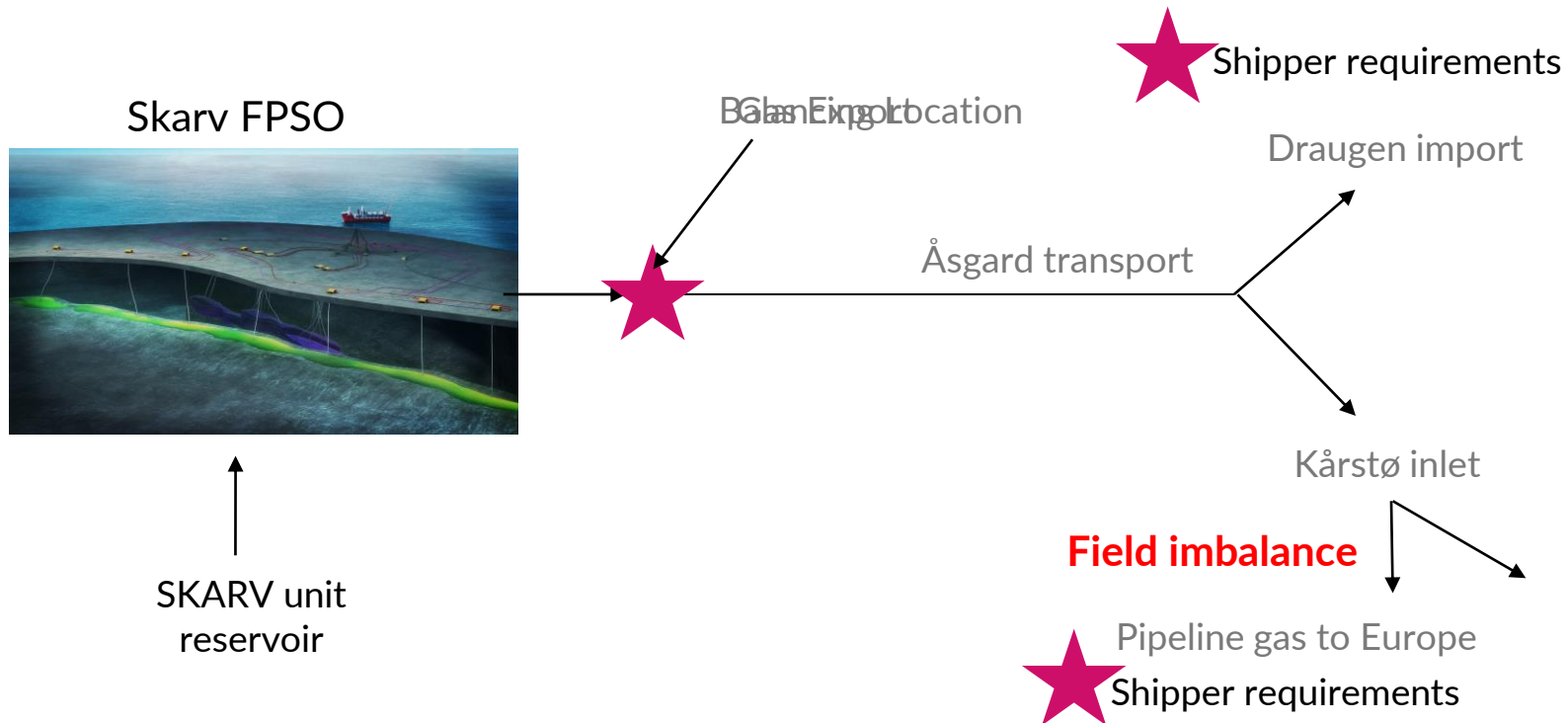
1.24 Gas shall mean the gas resulting from the processing of petroleum from the Balancing Area in the processing facilities of the Skarv FPSO and delivered at the Balancing Location, which gas shall be expressed in kilowatt hours (kWh).

- Gas deferral is not gas produced by the Balancing Area, but it is a compensation for gas that should have been produced, should it be included?
- Is it possible to separate the deferral gas from the equity gas after the export point?



GAS LIFTING AND BALANCING AGREEMENT

Shipper Gas lifted



Draugen: from Norsk Petroleum

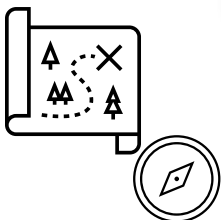


Kårstø: from Equinor SAFE

C2 C3 iC4 nC4 C5
NGLs stored and lifted from Kårstø

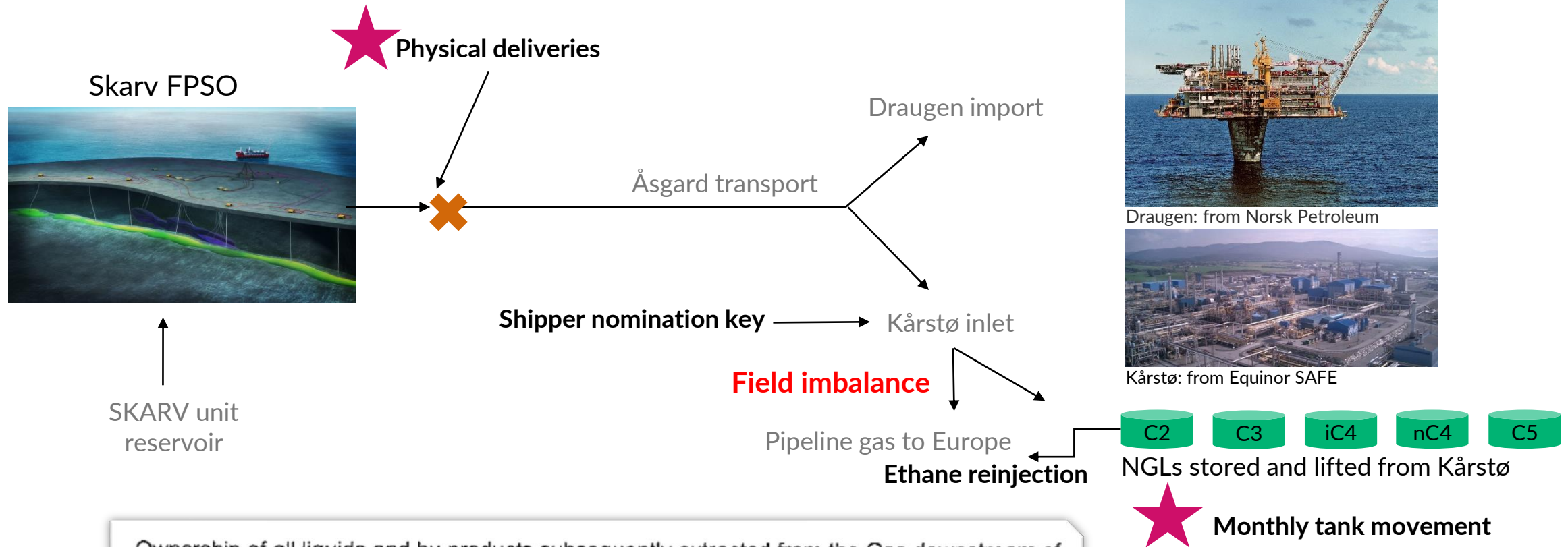
1.25 Gas Export means volumes of Gas lifted at the Balancing Location.

- No Gas lifted at Balancing Location by shipper
- Imbalance is Gas delivered at the Balancing Location, but not allocated to shippers



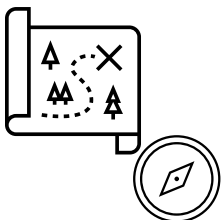
GAS LIFTING AND BALANCING AGREEMENT

Natural Gas Liquids



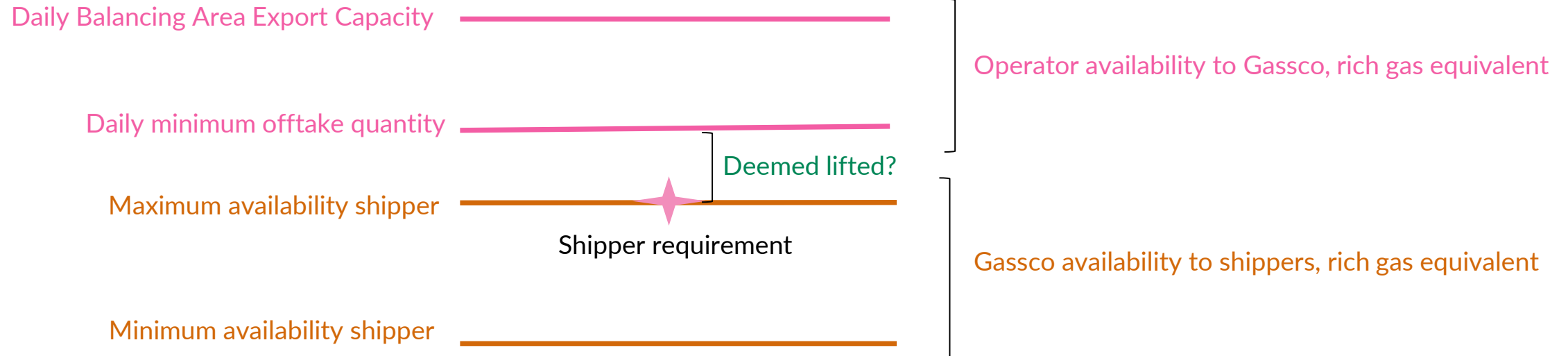
Ownership of all liquids and by-products subsequently extracted from the Gas downstream of the Balancing Location shall remain with the Party that has lifted such Gas.

- NGLs are allocated based on physical deliveries. Field imbalance is only in dry gas.
- How can the Operator ensure that the NGLs remains with the right lifting party?



GAS LIFTING AND BALANCING AGREEMENT

Availability

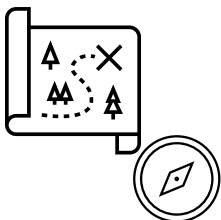


5.1.1 General

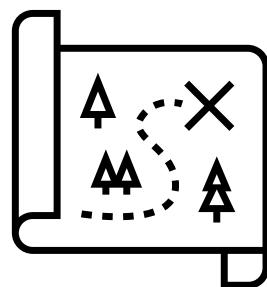
The Operator shall calculate each shipper's minimum and maximum availability in energy (kWh) from each Field. The calculations will be based on the Shipper's Field Operator's WAF adjusted for the following parametres:

- Field Imbalance
- Field Availability Transactions
- Relevant Shrinkage Factor and GCV

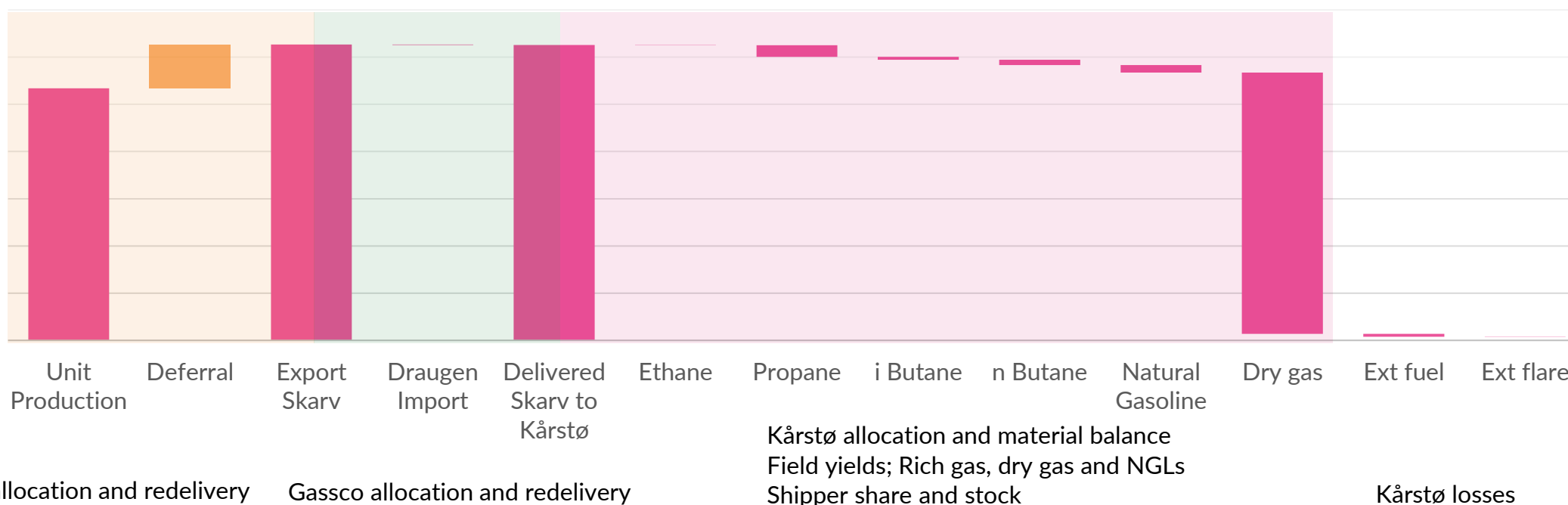
- The shippers only see the Gassco availability.
- Should deemed lifted be based on the Operator availability or Gassco availability?



Our achievements



Through our process implementation, we achieve full control and transparency from well to sales point for the fields, the partners and for Aker BP as a shipper



Thank you
Any questions?



Kjersti Evensen
Kjersti.evensen@akerbp.com

www.akerbp.com