

**Alvheim FPSO
24/6
Installation Data Card**

Location	Alvheim Field FPSO
Latitude	N 59° 34' 1,0"
Longitude	E 01° 59' 48,6"
Coordinate Datum	WGS 84
Water Depth	120 - 130 meters
Call Sign	LNEJ
LOA / Breath	252 m / 42 m



Marine Hazards	
Safety zone 500m	
Field activities e.g. shuttle tanker	

Specific Marine Hazards	
FPSO is moored on a turret with Risers & mooring lines rising from the seabed	

Communications	General	Emergency VHF Ch. 16 +47 51 35 78 00	Helicopter				
Alvheim Control	VHF Ch. 77		Communication 118.050 MHz, 132.180 MHz				
	+47 51 35 78 00		AkerBP Aviation + 51 35 80 30				
	+47 51 35 78 12		aviation@akerbp.com				
Marine Supervisor	+47 51 35 79 01		UHF channels vessel - deck				
OIM	+47 51 35 79 01		Crane	Ch	5	(Reserve Ch)	12
Stand-by vessel	VHF Ch. 14						
Contact Equinor Marine prior to Project Operations	+47 55 14 32 78 opcse@equinor.com						

Fwd and aft Crane	SWL	Radius	Operational Crane Limits
Whip line	10 T	42 m	Max wind speed for internal and supply vessel handling: 40 knots
Main hook	30 T	30 m	FPSO movements: Max roll: +/- 1.5° Max pitch: +/- 1.5° Max Hs: 3,0 m
Main hook	10 T	42 m	Cranes working range 7,5 - 42 m. Hoisting capacity 150

Nearby Installations						Shore Distances	
Heimdal	7 Nm E	Equinor	Ringhorne	22 Nm SE	Vår Energi	Stavanger	118 Nm ESE
Bruce	14 Nm NW	Serica Energy	Balder	25 Nm SE	Vår Energi	Bergen	120 Nm NE
Beryl	14 Nm W	Apache	Crane	28 Nm SE	Equinor	Aberdeen	194 Nm SW
Ivar Aasen	39 Nm SSE	AkerBP					

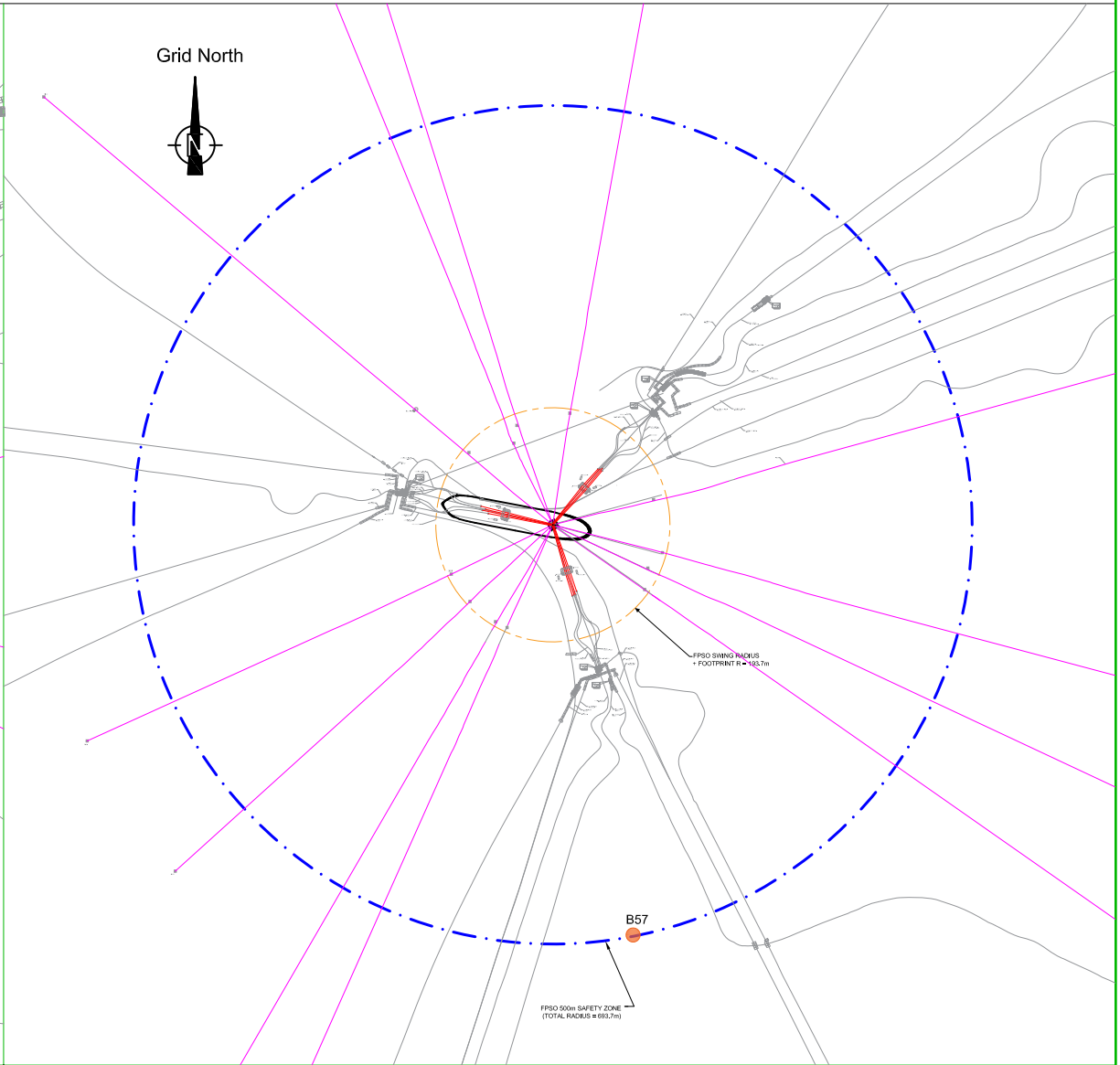
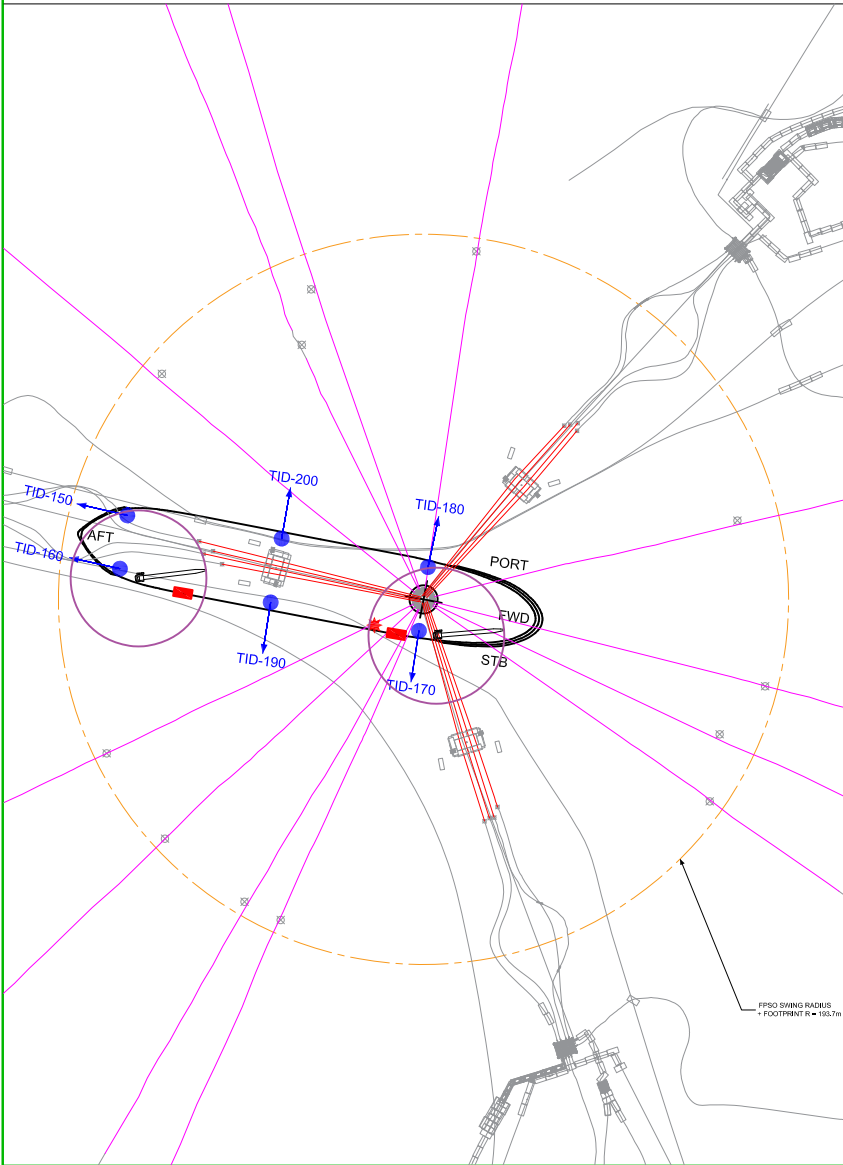
Alarms	Fire & Emergency	Abandon
Sound	Intermittent	Continuous Variable Tone
Light	Flashing Yellow	Flashing Yellow

Bulk Connections		Cargo Transfer Operations	
Potable water	4" Weco	Cargo Transfer Operations to take place according to;	
Diesel	4" Avery Hardol	55-000277 - Instructions to Master	
Methanol	4" Avery Hardol	G-OMO & G-OMO 8-A Safety zone entry checklist	

Vessel Co-ordination	
1 hour prior to arrival in the field, contact should be made with:	Alvheim Control
Vessel movement within the field are monitored by:	Equinor Marine
Permission to enter safety zone should be obtained from:	Alvheim Control
On entry & exit of the safety zone, establish contact and inform:	Alvheim Control

Radius ID	
See attached field drawing	

Alvheim FPSO Reference Systems



Legend			
	Fanbeam		Subsea Transponder
	Radius 550		Crane Radius Max. radius 48m (15T)
	Prism		Cargo Hoses
	Pipelines and Cables		Mooring Lines
			Risers

Notes
 Subsea Transponder B57 position: 443 540.90 E, 6 603 149.36 N

Please inform Aker BP Survey and Marine departments of any changes regarding reference system locations and codes.
 Geospatialteam@akerbp.com
 Marinereports@akerbp.com

Alvheim Frequency List

PORTABLE UHF RADIOS		Updated 30/01-2007			
CH	Tx freq. (MHz)	Tx PL Tone	Rx Freq.(MHz)	Rx PL Tone	Channel Info
5	469.050	162.2	469.050	162.2	Simplex, Crane
6	469.075	-	469.075	-	Offloading
10	457.525	-	457.525	-	Simplex, Public Maritime
11	457.550	-	457.550	-	Simplex, Public Maritime
12	457.575	-	457.575	-	Simplex, Public Maritime
13	467.525	-	467.525	-	Simplex, Public Maritime
14	467.550	-	467.550	-	Simplex, Public Maritime
15	467.575	-	467.575	-	Simplex, Public Maritime

Alvheim Vessel Impact Details

Prepared by Eirin Paulsen 11.03.2021

	Capacity [MJ]	Impact speed [m/s]			Design target
		7 500mT	10 000mT	12 500mT	
Side collision - OSV	40*	3.1	2.7	2.4	Not cause penetration of the inner longitudinal bulkhead
Fore ship collision - OSV	24/31**	2.4/2.7	2.1/2.4	1.9/2.1	
Aft ship collision - OSV	137	5.8	5.0	4.5	
Stern - Shuttle tanker collision	450	-	-	-	Not cause penetration of the aft machinery bulkhead

* Conservative due to model extent

** Reverse stem/bulbous bow