



M/V SANCO SWIFT

YOUR PARTNER IN MARINE SEISMIC OPERATIONS



SHIP DESIGN	ST 324, Seismic survey vessel with 3-D / 2-D & Source capability
CLASSIFICATION	BV
BUILDER	Kleven Myklebust Verft AS, Norway , build no. 355,
BUILT	Year 2013
PORT OF REGISTRY	Gibraltar
FLAG	Gibraltar
IMO NUMBER	9630494
CALL SIGN	ZDKY 8

OWNER:	Sanco Holding AS	Technical & Seismic Manager:	Sanco Shipping AS
	Moljevegen 32, N-6083 Gjerdsvika, NORWAY		Moljevegen 32, N-6083 Gjerdsvika, NORWAY

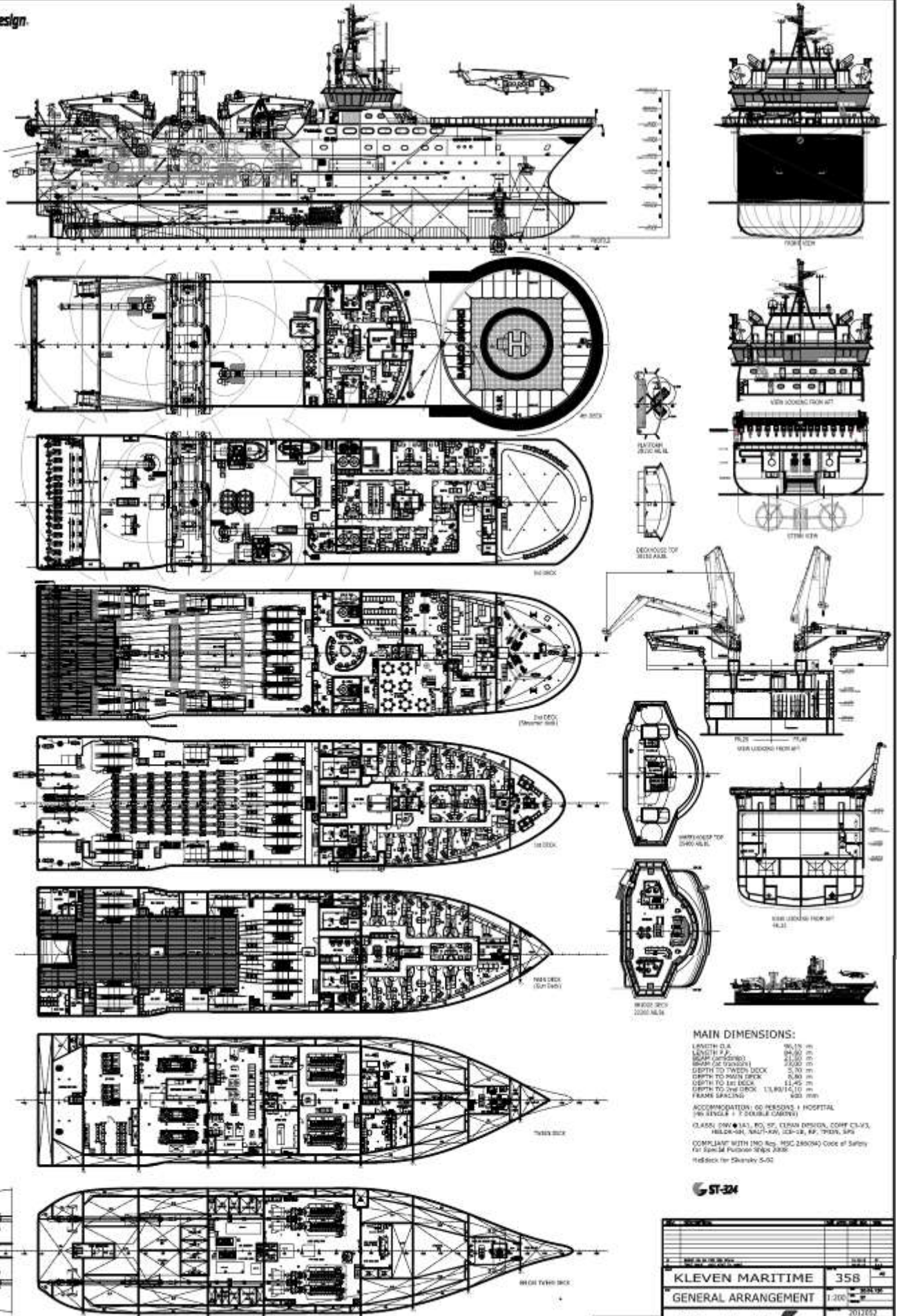
MAIN DIMENSIONS		CLASS NOTATIONS
Length O.A	96,15 m	BV: I +HULL, ICE CLASS 1B, AUT-UMS, SDS, COMF-VIB(3)-NOICE(3), AVM-DPS, CLEANSHIP Super, SYSNEQ-1, MON-SHAFT, SPS, HELDK-SH. Unrestricted navigation BV ID Number: 34705 A
Length P.P	84,60 m	
Breadth	23.0 m	
Draft, loaded	7,00 m	
Gross Tonnage	8772	

Updated: June 2020
All specification given without guarantee, and subject to changes

OUTLINE SPECIFICATION M/V SANCO SWIFT

MACHINERY AND PROPELLER PLANTS		SPEED AND FUEL CONSUMPTION	
Main propulsion:	2 x Scana Volda, 2 x 5500 kW, Nozzle	Max. speed:	17 knots – 65 m3/day
Main engines:	4 x 4000 kW, MAN 32/40 Diesel, 600 rpm	Service speed:	12 knots – 30 m3/day
Main gear:	2 x Scana Volda, twin in, single out	Economic speed:	10 knots – 23 m3/day
Generators:	4 x 2600 kW each	Seismic shooting:	4,5 knots – 18 m3/day
Propeller:	2 x 4 bladed Scana, Ø=3900, 139 rpm	Bollard pull:	216 tons
Emergency Aux.	1 x 900 kW + 1 x 300 kW	Endurance shooting:	140 days
Bow thruster:	1 x Brunvoll Retract./Tunnel, 1000 kW	Endurance economic speed:	94 days
Stern thruster:	1 x Brunvoll, tunnel, 800 kW		
Starting/Working air Comp:	2 x Sperre . + 1 Atlas Copco		
ELECTRIC POWER		IN LINE BUNKERING CAPABILITY	
690 V, 440 V, 230 V all 60Hz		The vessel is arranged with in line bunkering over the bow	
DECK MACHINERY		CAPACITY	
Deck Crane:	2 x 16T / 13,5M -5T / 22M	Fuel oil, HFO:	1758 m3
Provision crane:	2 x 1,5T / 13M	Diesel oil, MGO:	406 m3
Hydraulic power pack:	2 x 280 bar	Lube oil:	112 m3
Seismic Cable winches:	12 x 12000 m each,	Sewage:	16,5 m3
Seismic Gun winches:	8 x 1000 m each,	Grey water:	20,6 m3
Auxiliary winches:	18 pcs on gun & streamer deck	Dirty oil / Sludge oil:	95,1 m3
		Fresh water generator:	2 x Alfa Laval (2 x 20m3/day)
		Sewage treatment plant:	Gertsen & Olufsen BR-011100 BVG
		Ballast treatment plant:	MMC Green Technology 150 m3
		Waste compactor:	Delitek, Type DT- 500 MC
		Incinerator:	Team Tec GS 500 CS
		Black water:	JETS FD/VPC-V
		Helideck, Sikorsky S-92, Daylight:	D-value 21,0 meter, 14,6 tones
NAVIGATION EQUIPMENT		LIFE SAVING EQUIPMENT	
Auto Pilot:	Anschutz Nautopilot 2025	Safety manning level:	10 persons
GPS:	2 x Furuno GP-150	Rescue / FRC / MOB:	Wedo 700, water jet
Radar 1:	1 x 3 cm Furuno FCR 2117, Arpa	Workboat:	Westplast 950 Seisworker
Radar 2:	1 x 10 cm Furuno FCR 2137 S, Arpa	Inflatable life rafts:	6 x 35 persons Viking DK 35
Electronic Chart navigation:	2 x Furuno TECDIS AW, type Telco	Life Jackets:	64 pcs + 6 kids
Gyro 1 & 2:	2 x Navigate X Mk1ad GC 80	Life buoy:	21 pcs
GPS compass:	Furuno SC-50	Survival suits:	64 pcs
EPIRB:	1 x Jotron Tron 40 S	Emergency radios:	3 x Sailor SP 3530
AIS:	Furuno FA-150 AIS	Radar transponders:	2 x Jotron Tron
C-Joy with track steering:	Kongsberg tracksteering with dedicated software	Fire detection system:	Tyco Marine Services Minerva Marine T2000CV
Echo sounder bridge:	Furuno FE 700	Fire pumps:	3 x Allweiler 1 x 247,4 m3/h + 1 x 125m3/h + 1 x 50 m3/h
Echo sounder, dual frequency:	Simrad EA- 600 with 12, 38 & 200 kHz	Co2 system:	Heien Larssen
Voyage Data Recorder:	Furuno VR-3000 6G	Lifesaving capacity max.:	60 persons
Speed Log:	Nortek VMCP		
Acoustic Current Profiler:	Nortek VMCP		
		COMMUNICATION	
		Fixed satellite line, Iridium:	
		Marlink VSAT KU band:	
		Inmarsat C:	Sailor 6100
		M/F & H/F:	2 x SSB, Sailor 6300, 150W
		VHF Stationary:	3 x Sailor
		Handheld VHF radios:	3 x Sailor SP 3530
		UHF stationary:	5 x Motorola GM 360
		UHF portable:	8 x Motorola GP 380
		Internal communication:	Alcatel - Lucent
		Satellite – Inmarsat Type C:	2 x Sailor TT 6300
		Nav. Tex.:	Furuno NX-700
		Satellite com. Equipment:	Sailor 500
		ACCOMMODATION	
		Instrument room:	1 x sep. aircon. with 100% redundancy
		Gun Shack:	1 pcs with air-condition
		Work Shop:	2 pcs with air-condition
		Seismic store:	3 pcs
		Mess room:	Seating for 42 persons
		Day rooms:	3 x dayrooms 1 conference room 1 internet café
		Gymnasium:	One, + Solarium and Sauna
		Air condition:	Teknotherm Marine AS / Aeron
		Cabins:	46 x 1 bed with bathroom 7 x 2 bed with bathroom Hospital with bathroom
		Swimming pool:	Outdoor, heated
ENERGY SOURCE			
Type, Bolt:	1900 LLXT & 1500 LL dual source		
Number of Sub. Arrays:	6 pcs sub. arrays in use, 6 position each array and 3 meter between guns		
Configuration:	Single / Dual / Triple source		
Tow width:	Dual source, 100 m max COS		
Firing control:	Gunlink 4000		
QC:	Gunlink		
NFH:	All position		
PT:	6 Pressure Transducer per sub-array		
Depth transducer:	6 per sub-array		
Tow system:	Baro Flex. 18' float syst. with 6 diverters		
Deflectors:	Seismec 140 % mini deflectors		
Seismic compressors:	3 x Neuman & Esser, SAPS 62		
Compressor capacity:	3 x 2200 cfm = 6600 cfm in total		
Working pressure:	2000 Psi		
Power control:	Freq. drives with auto RPM control		





MAIN DIMENSIONS:

- LENGTH O.A. 96,70 m
- LENGTH P.P. 84,00 m
- BEAM (AFT) 24,00 m
- BEAM (AT TRANSOM) 21,00 m
- DEPTH TO TWICH DECK 5,70 m
- DEPTH TO MAIN DECK 6,80 m
- DEPTH TO 1st DECK 11,45 m
- DEPTH TO 2nd DECK 13,80/14,10 m
- FRAME SPACING 400 mm

ACCOMMODATION: 60 PERSONS + HOSPITAL (40 BUNKERS + 2 DOUBLE CABINS)

CLASS: DNV (1A1), PD, ST, CLEAN DESIGN, CORF CLASS, HULL-OUT, NAUT-HAV, ICE-CL. 1B, TROPS, SPS

COMPLIANT WITH IMO Reg. MSC 286(94) Code of Safety for Special Purpose Ships 2008

Hull-Deck for Skanska S-02

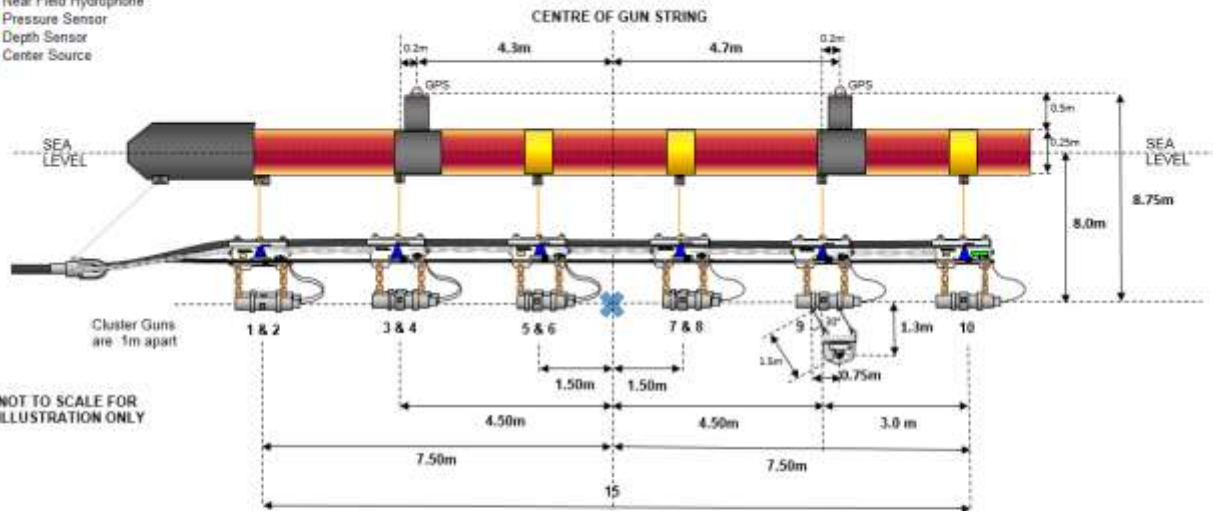


NAME OF THE SHIP	358
KLEVEN MARITIME	358
GENERAL ARRANGEMENT	1:200
201202	
Skipsteknisk	
258-101-01-615P	



Sanco Swift - Gun String Offsets

- ▲ Near Field Hydrophone
- Pressure Sensor
- Depth Sensor
- ✳ Center Source



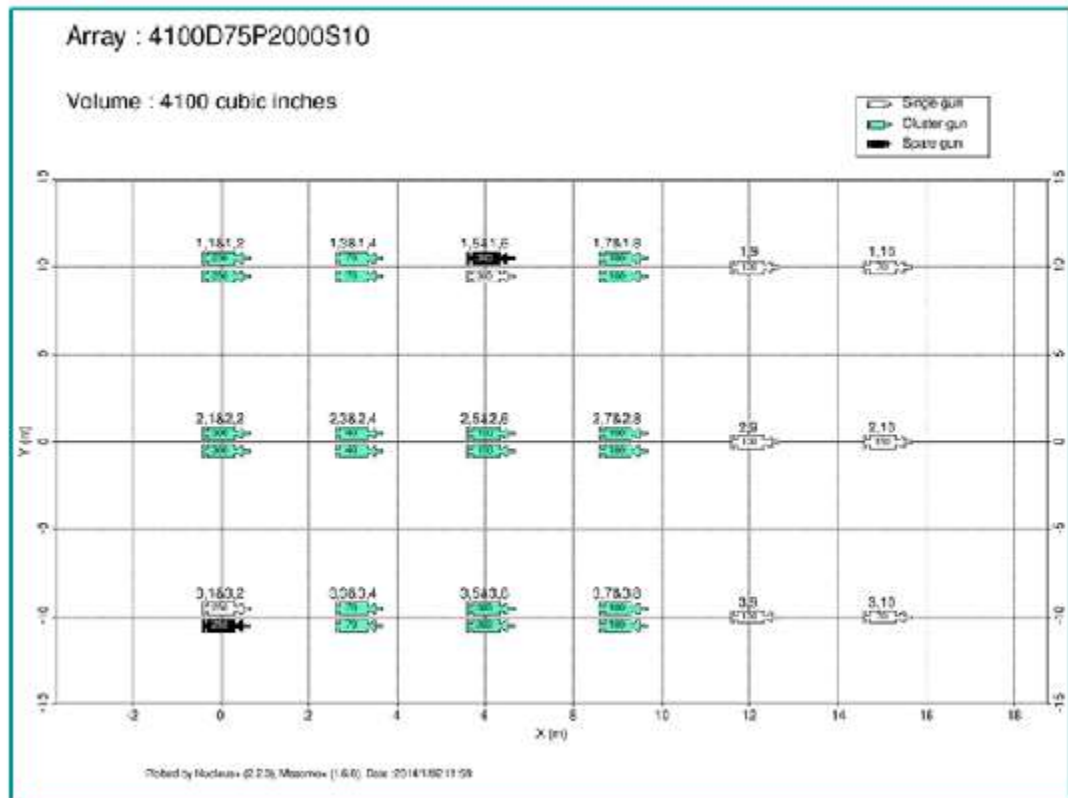
GUN VOLUMES (Cubic inches)

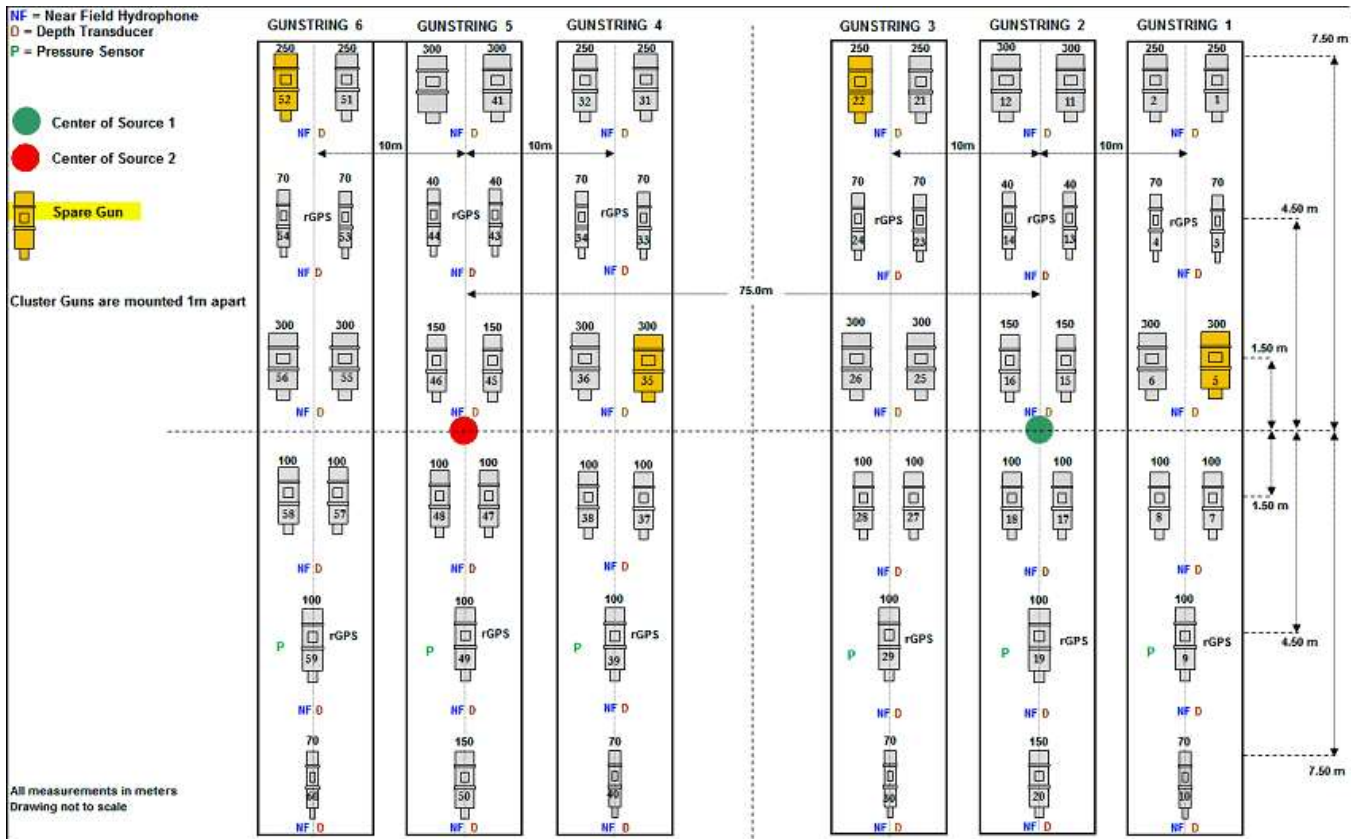
ARRAYS 1 & 4	250	70	300	100		
	250	70	300	100	100	70
ARRAYS 2 & 5			300	40	150	100
			300	40	150	100
ARRAYS 3 & 6	250	70	300	100		
	250	70	300	100	100	70

XXX-inactive gun

All measurements in meters. Offsets measured 01/01/2017
Drawing not to scale

Array Diagram





Sanco Swift have the following Bolt guns & chamber onboard:

Cluster 1500 LL

250 cuin: Bolt 1500 LL 10 pcs x 250 (Included 2 spare)
 300 cuin: Bolt 1500 LL 14 pcs x 300 (Included 2 spare)

Cluster 1900 LLXT

40 cuin: Bolt 1900 LLXT 6 pcs x 40 (Included 2 spare)
 70 cuin: Bolt 1900 LLXT 10 pcs x 70 (Included 2 spare)
 100 cuin: Bolt 1900 LLXT 14 pcs x 100 (Included 2 spare)
 150 cuin: Bolt 1900 LLXT 6 pcs x 150 (Included 2 spare)

Single 1900 LLXT

70 cuin: Bolt 1900 LLXT 5 pcs x 70 (Included 1 spare)
 100 cuin: Bolt 1900 LLXT 7 pcs x 100 (Included 1 spare)
 150 cuin: Bolt 1900 LLXT 3 pcs x 150 (Included 1 spare)

Spreader bars

1000 mm = 9 clusters of 1500 LL guns, (4 spreader bars per cluster) so total of 36 pcs
 1000 mm = 15 clusters of 1900 LL XT guns, (4 spreader bars per cluster) so total of 60 pcs
 1000 mm = 16 pcs in spare for 1500 LL guns
 1000 mm = 18 pcs in spare for 1900 LLXT guns



Sanco Swift Towing

