Deep C

Deep C Soil Plug Removal Tool

Efficient and Precise Removal with a Single Lift

The patented Deep C SPRT combines powerful jetting, suction, and washing capabilities to remove soil plugs, marine growth, and surface corrosion.

Its 360° jetting system ensures full coverage for fluidization and cleaning, leaving a flat and predictable surface for minimal grouting.

Topside-controlled operations eliminate the need for subsea rigging and ROV intervention.

Integrated winch enables accurate operation independent of vessel crane.

Features

- → Eliminate crane & ROV intervention, minimize deck space and POB
- → Tailored configurations for specific pile and sediment conditions
- → Effectively removes soil plugs and corrosion with 360° jetting

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Seabed intervention specialist

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Technical Specifications

The SPRT is a compact unit which is deployed into the subsea pile and has simultaneous capacity to disintegrate sediments (jetting), removal of soil plug (suction) and cleaning of inside walls (jetting).

Launched in a dedicated Launch & Recovery Frame (LRF) also functioning as a transport frame, the SPRT lands on top of the pile and allow the operation to be completed without any occupancy from the vessel crane or intervention from a WROV.

Contact mail@deepcgroup.com for more details.

Dimensions

Length:	9 500 – 11 000 mm
Width:	Ø 2 250 – 3 000 mm
Height:	Ø 2 250 – 3 000 mm
Weight in air:	8 500 kg
Weight submerged:	7 000 kg

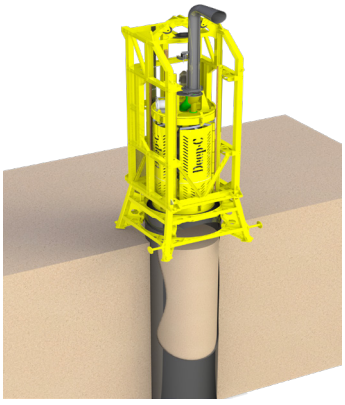
Dimensions in Launch and Recovery Frame (LRF)

Length:	11 000 mm
Width:	4 150 mm
Height:	3 700 mm
Weight in air:	22 000 kg
Weight submerged:	17000 - 18 000 kg

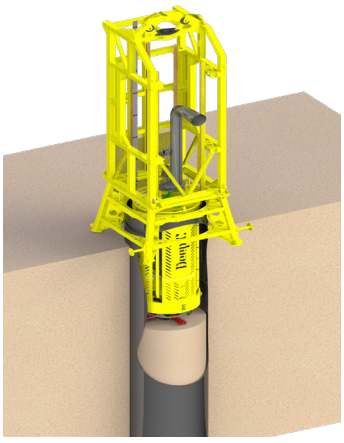
Interface

Power supply:	400-480V 60Hz. 3 of 250 A 3 phase
Connection type:	Umbilical

Operational Steps



0.5 m pile depth



5 m pile depth

7.18 m pile depth

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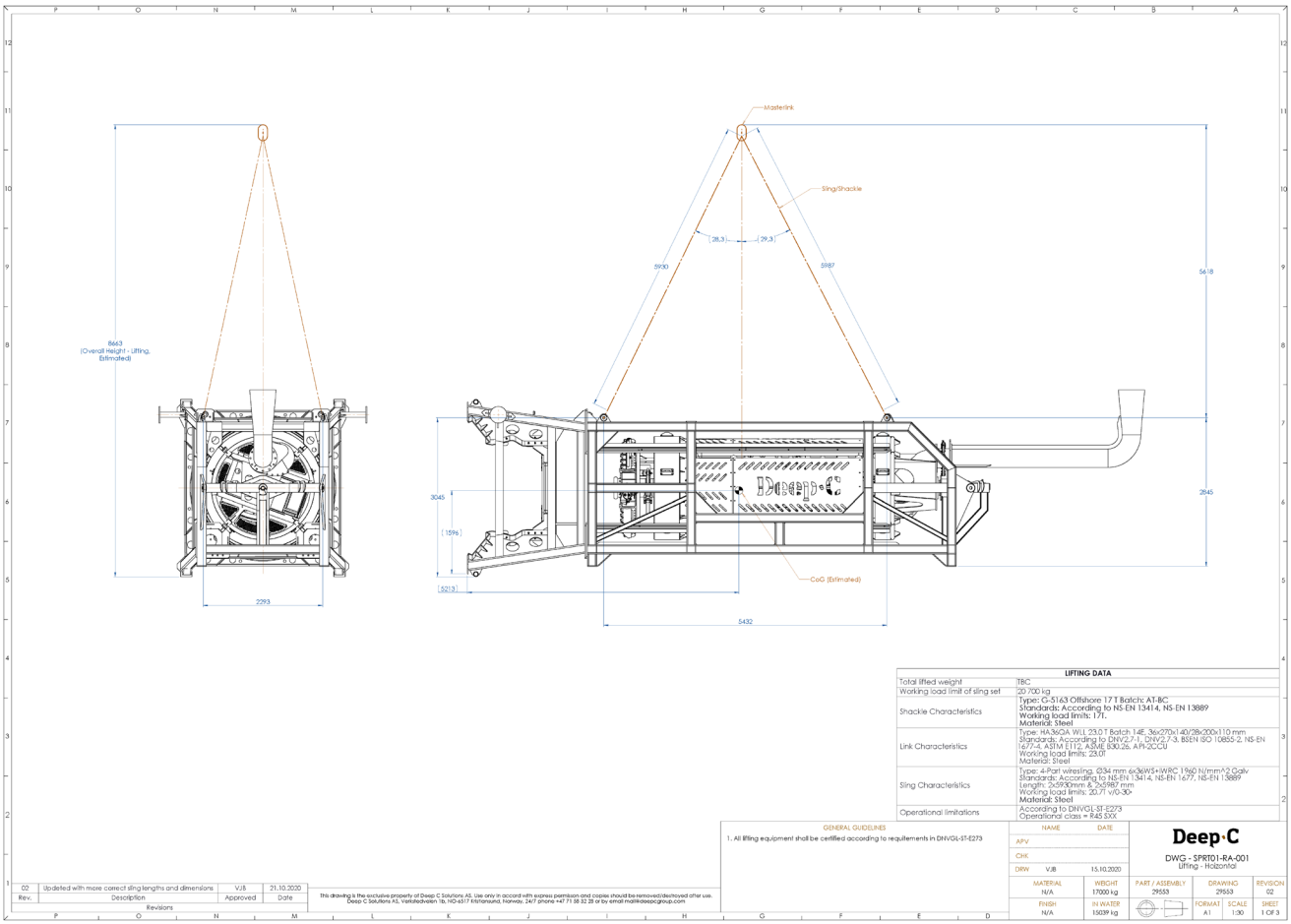
Technical Drawings

Configurations overview



LIFTING DATA	
Total lifted weight	TBC
Working load limit of sling set	20 700 kg
Shackle Characteristics	Type: G-5163 Offshore 17 T Batch: AT-BC Standards: According to NS-EN 13414, NS-EN 13889 Working load limits: 17t. Material: Steel
Link Characteristics	Type: HA.36OA WLL 23.0 T Batch 14E, 36x270x140/28x200x110 mm Standards: According to DNV2.7-1, DNV2.7-3, BSEN ISO 10855-2, NS-EN 1677-4, ASTM E112, ASME B30.26, API-2CCU Working load limits: 23.0t Material: Steel
Sling Characteristics	Type: 4-Part wiresling, Ø34 mm 6x36WS+IWRC 1960 N/mm^2 Galv Standards: According to NS-EN 13414, NS-EN 1677, NS-EN 13889 Length: 2x5930mm & 2x5987 mm Working load limits: 20.71 t/0-30° Material: Steel
Operational limitations	According to DNVGL-ST-E273 Operational class = R45 SWX

GENERAL GUIDELINES

1. All lifting equipment shall be certified according to requirements in DNVGL-ST-E273

Rev.	Description	Approved	Date
02	Updated with more correct sling lengths and dimensions	VJB	21.10.2020

Revisions

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	NAME	DATE
APV		
CHK		
DRW	VJB	15.10.2020

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DWG - SPRT01-RA-001
Lifting - Horizontal

MATERIAL	WEIGHT	PART / ASSEMBLY	DRAWING	REVISION
N/A	17000 kg	29553	29553	02
FINISH	IN WATER	FORMAT	SCALE	SHEET
N/A	15039 kg	A1	1:30	1 OF 3

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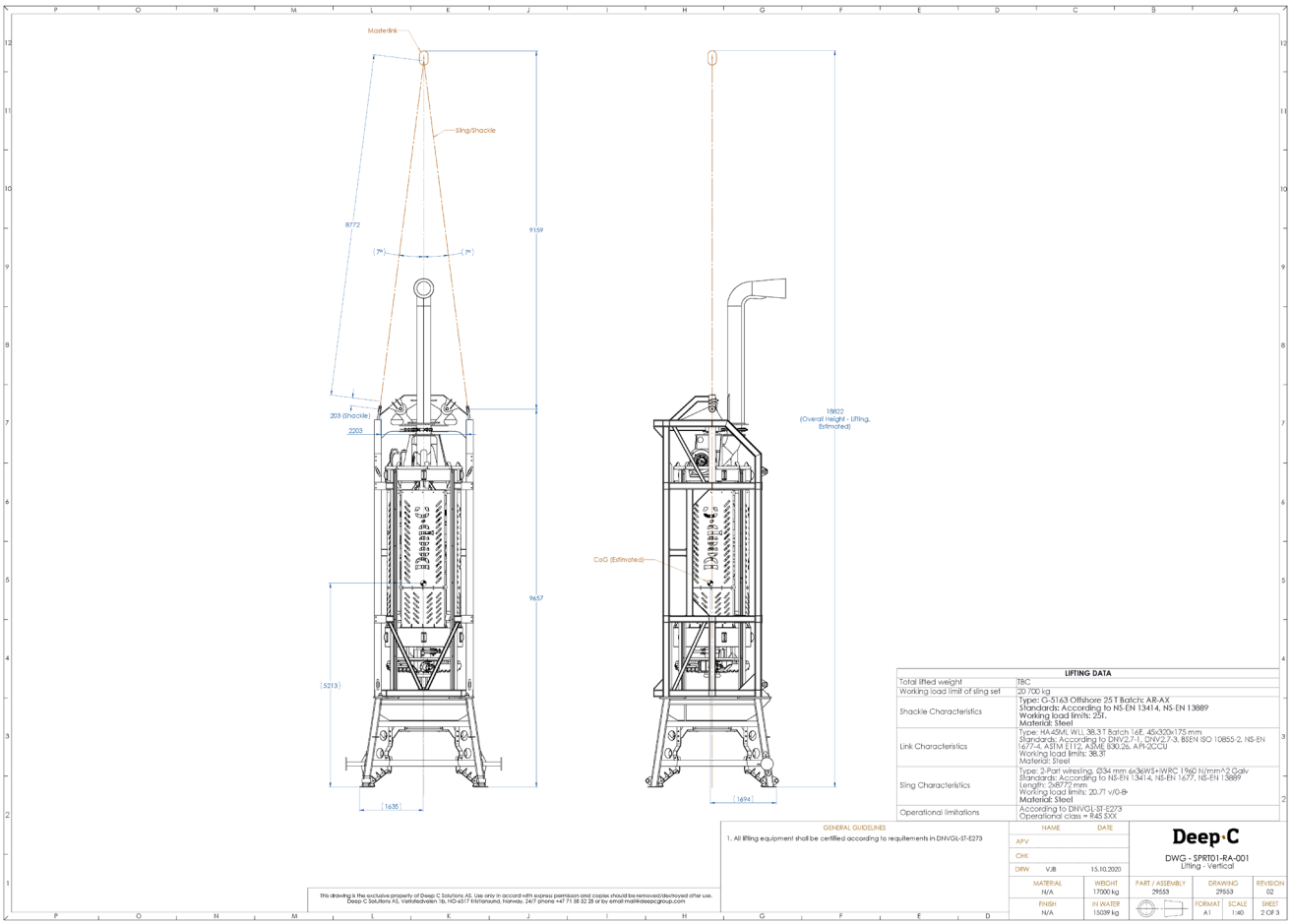

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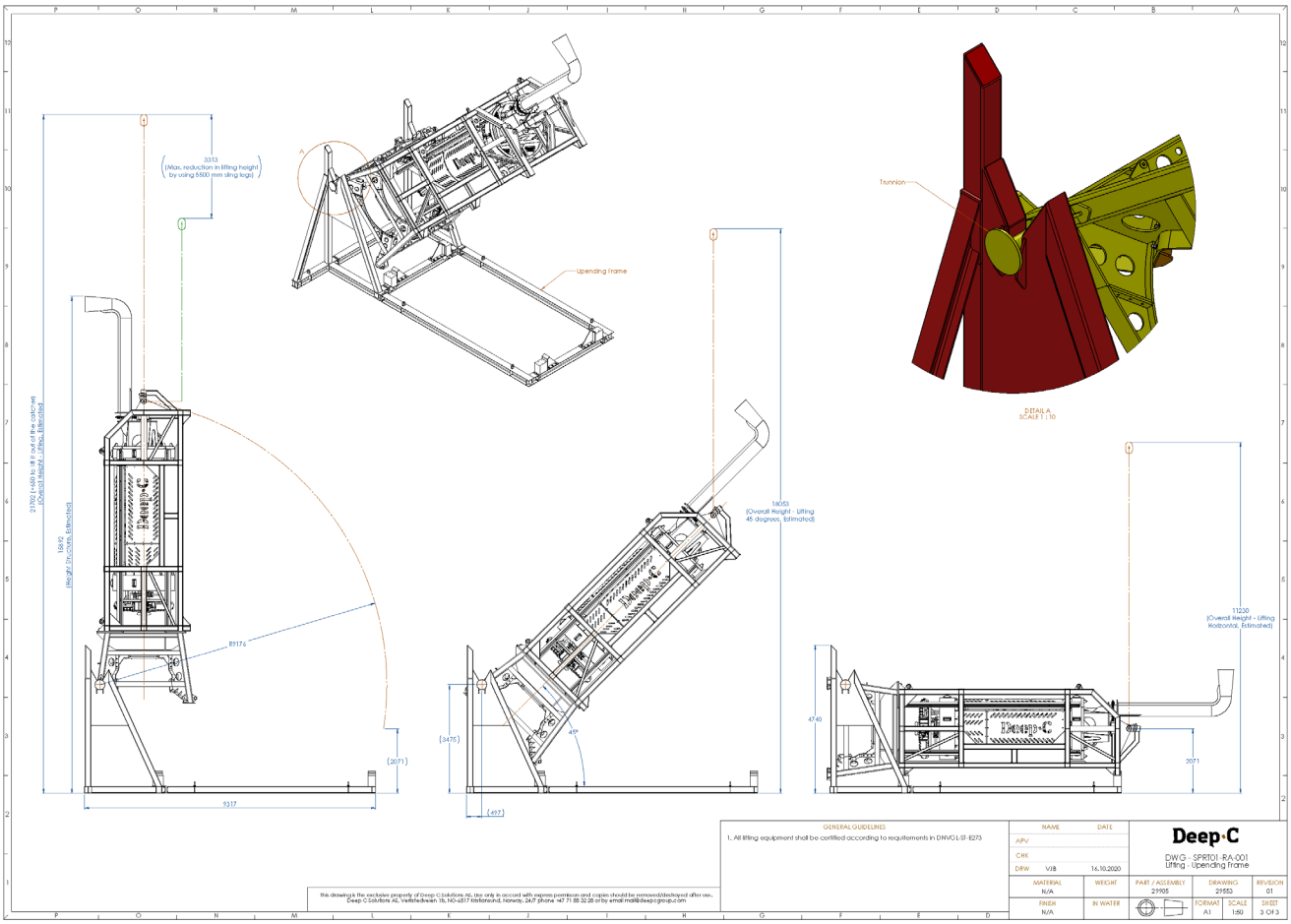

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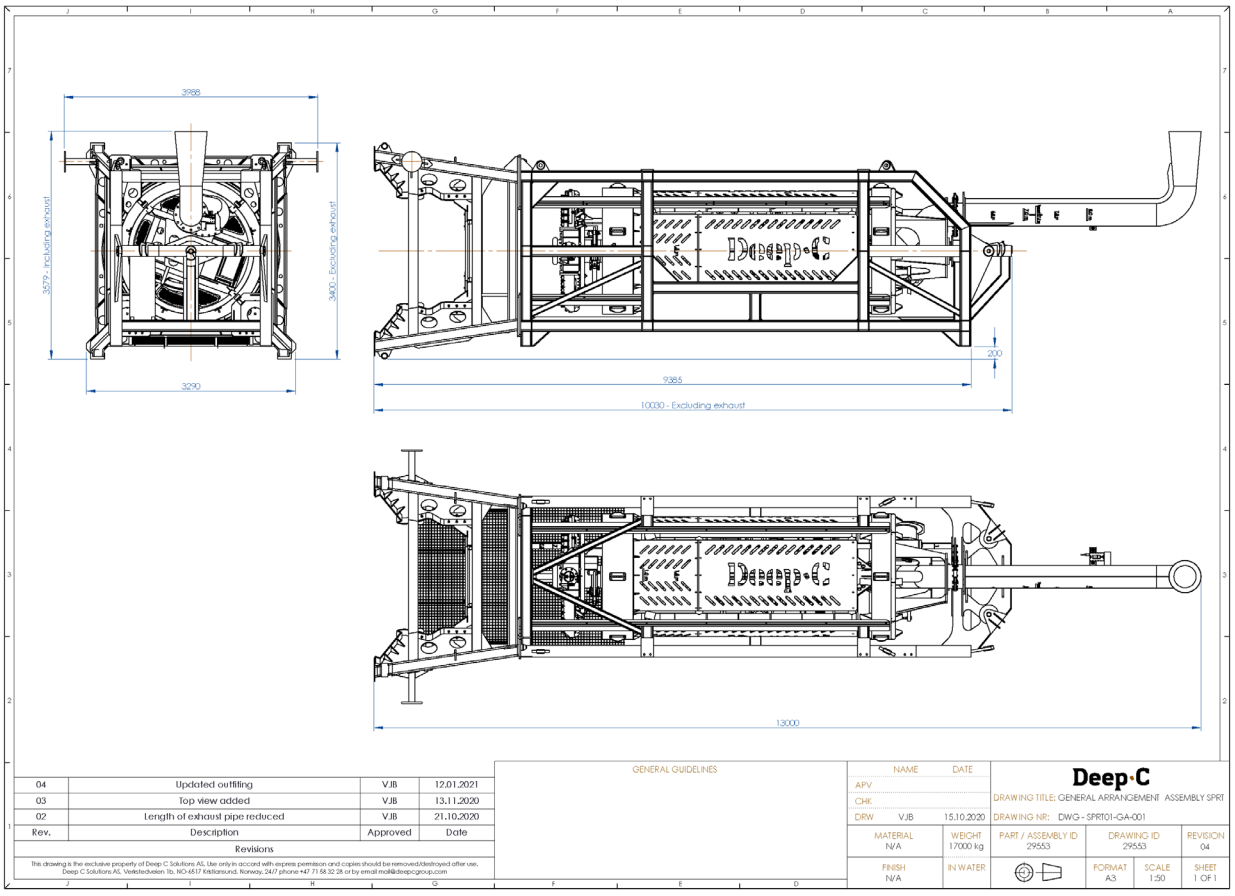

Rev.	Description	Approved	Date
04	Updated outfitting	VJB	12.01.2021
03	Top view added	VJB	13.11.2020
02	Length of exhaust pipe reduced	VJB	21.10.2020

Revisions

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GENERAL GUIDELINES

	NAME	DATE
APV		
CHK		
DRW	VJB	15.10.2020

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DRAWING TITLE: GENERAL ARRANGEMENT ASSEMBLY SPRT

DRAWING NR: DWG - SPRT01-GA-001

MATERIAL	WEIGHT	PART / ASSEMBLY ID	DRAWING ID	REVISION
N/A	17000 kg	29553	29553	04
FINISH	IN WATER		FORMAT / SCALE / SHEET	
N/A			A3 / 1:50 / 1 OF 1	

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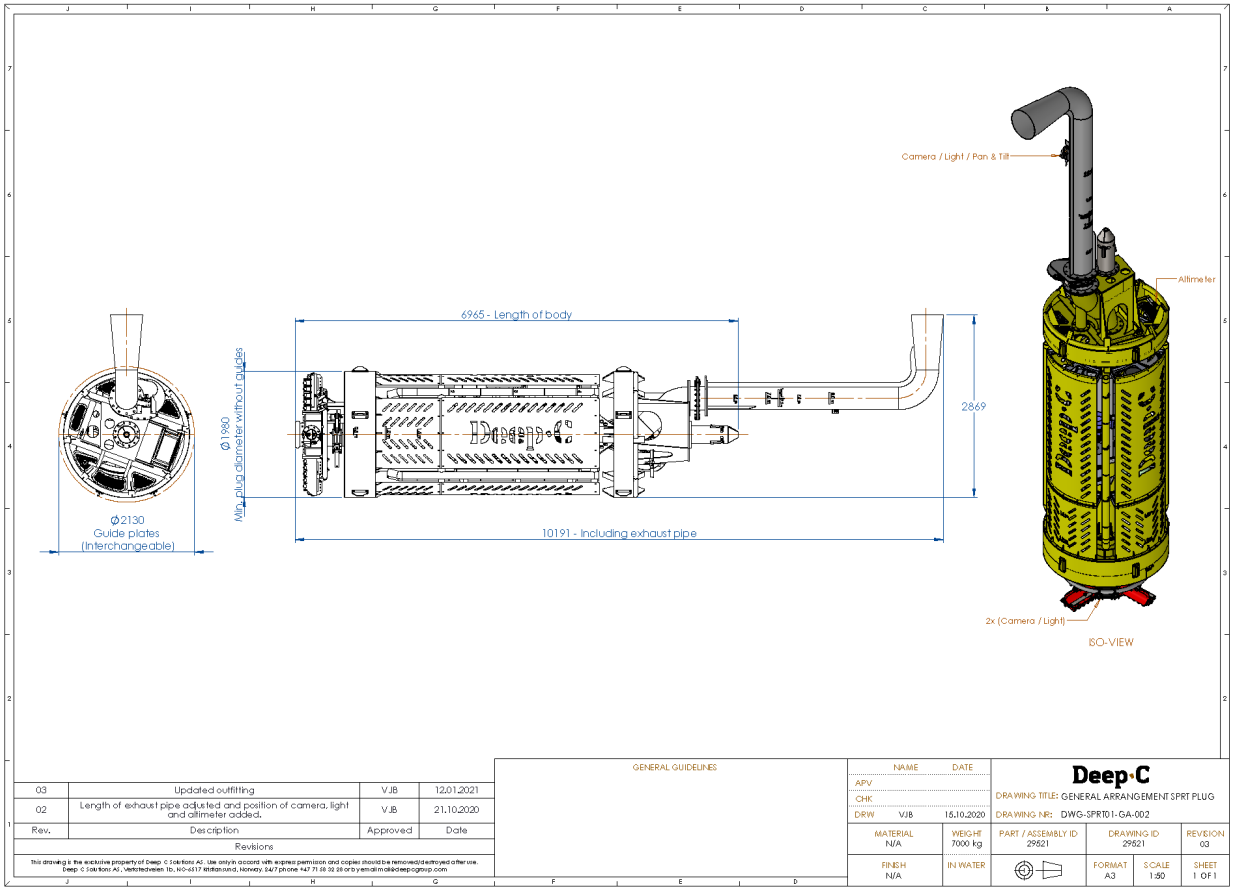

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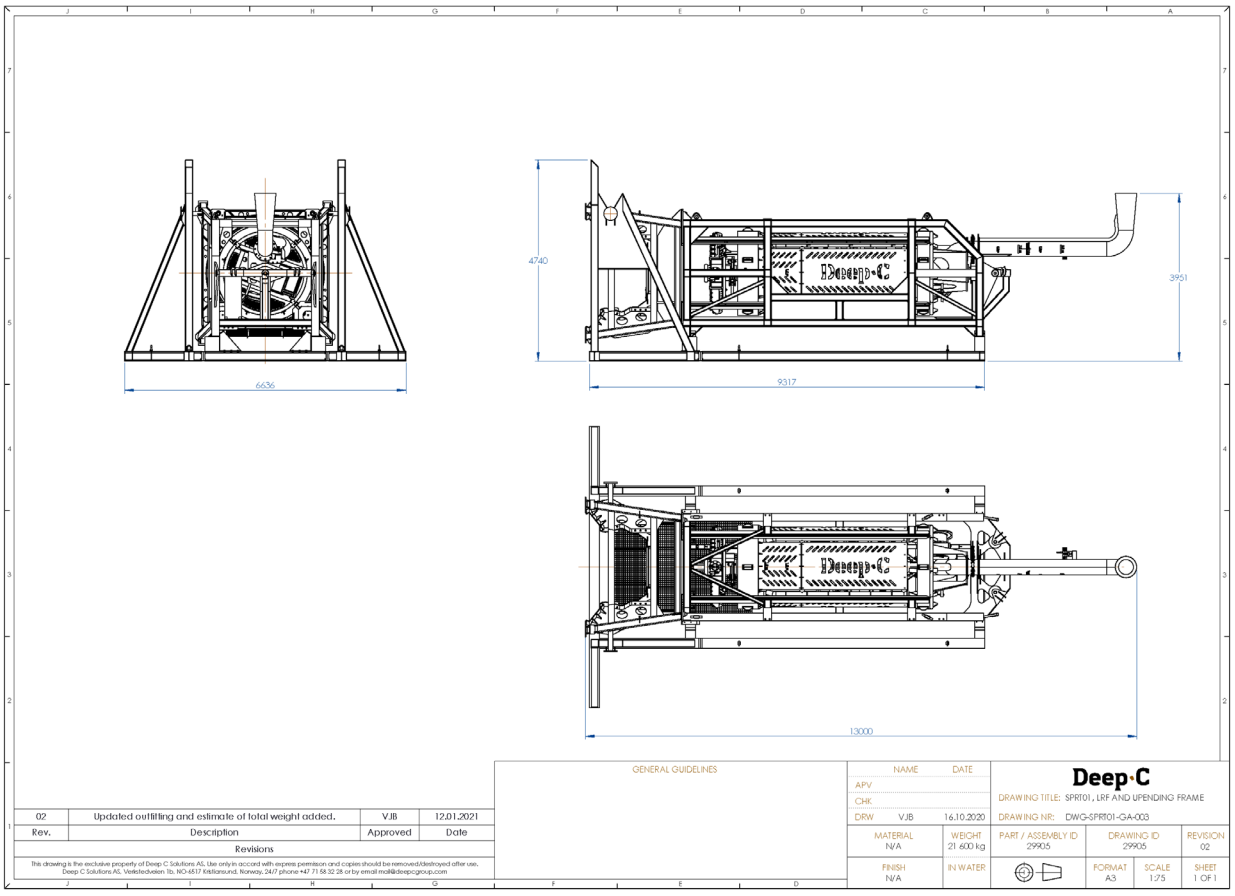

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