



# Track record Rope access

**November 2021**

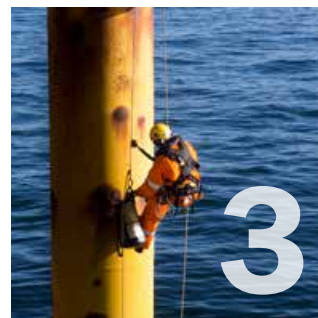
 **bluestream**





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## Company details

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Date of incorporation	29-04-2009
Registration	Chamber of Commerce Alkmaar no. 37151264
VAT	NL820712097B01

## Registration and certification



ISO9001:2015 certified  
NL023416



ISO14001:2015 +SCCM certified  
NL023336



ISO45001:2018 certified  
NL023335



IMCA Member  
(Diving and ROV Sections)



IRATA Full Member  
5018/0



Achilles Utilities NCE Qualified  
116470



FPAL registered/verified  
10042931

## Introduction

Bluestream is a leading offshore contractor, providing specialist technical services above and below the waterline. We are highly skilled in diving, Remotely Operated Vehicles (ROVs), working at height, rope access and Unmanned Aerial Vehicles (UAV).

We provide our clients with tailored solutions to ensure sustainability and profitability during the installation, maintenance and decommissioning of their offshore assets. To do this, we combine profound knowledge and decades of experience with the ambition to innovate in a world where the energy industry is evolving.

### Proud of our long-term relationships

Our experience dates back to 2009, when Bluestream was founded. Since then, we've worked with virtually all major operators in the southern North Sea, and are proud of the long-term relationships we've built and the contracts that are still in place today.

We're passionate about solving our clients' challenges, whether they're looking for a stand-alone service, a multi-disciplined operation or a fully integrated solution.

To support our services and maintain a high level of quality throughout all our operations, strong engineering and project management teams are in place, as well as in-house Research & Development and inspection departments.



#### Diving

We own and operate various cutting-edge, modular, air-diving spreads.



#### ROV

We are well equipped to meet the growing demand for sophisticated, remote, subsea interventions.



#### Rope access

Rope access enables us to enter hard-to-reach locations by using industrial climbing techniques.



#### UAV

We provide visual inspection services for onshore and offshore assets.





Track record



**Oil and Gas**



## Track record inspection

All referenced projects include project management and engineering for the safe and efficient performance of the project. This is including, but not limited to: planning, risk management, provision of work procedures and interfacing with the Company and other stakeholders.

The track records detailed below are a brief summary of some of the inspection projects in the Oil and Gas Industry carried out throughout the recent years.

### 2011 - 2021

#### Inspection projects - Various clients

The annual programs consist of combined ROV, diving and rope access inspection of Oil and Gas assets within the Dutch, Danish, German and UK sectors.

Bluestream provides the engineering and inspection reporting services and the ROV/ diving/rope access equipment and personnel.

#### The client base includes, but is not limited to:

- Neptune Energy B.V., using REM Mermaid and OSV Seamar Splendid;
- Wintershall Noordzee B.V., using several different DSV DPS2 vessels;
- Petrogas E&P Netherlands B.V., using several different DSV DPS2 vessels;
- ONEgas (NAM/Shell), using the DP2 DSV VOS Sugar;
- ONE-Dyas B.V. (Oranje-Nassau Energie B.V.) using the DP2 DSV VOS Sugar;
- Total E&P Nederland B.V., using the DSV VOS Shelter and the DP2 DSV VOS Sugar;
- Dana Petroleum Netherlands B.V., platform based inspections.

#### The rope access inspections consist of the following tasks:

- General visual survey of designated structural components as well as bridge(s), vent towers, lifeboat support frames and similar;
- Close visual inspection and integrity verification of bolted or welded components (riser clamps, appurtenance attachments, crane boom, etc.).
- Eddy current/magnetic particle inspection on crown welds (jacket to topside connection welds);
- Eddy current/magnetic particle inspection on lifeboat davits and winch frames;
- Ultrasonic wall thickness inspection and measurements on critical structural members and selected components;
- Ultrasonic weld inspection on selected/designated welds;
- Ultrasonic/eddy current/magnetic particle inspection on crane booms according to TCVT requirements;

- Visual inspection of all components on the platform below the cellar deck, inspection on integrity and damage to primary/secondary steel, bolted connections and pipe sections;
- General visual survey of designated structural components as well as bridge(s) vent towers, lifeboat support frames and similar;
- Close visual inspection and integrity verification of bolted or welded components (riser clamps, appurtenance attachments, crane boom etc);
- In addition to the inspection scope additional maintenance activities were performed on request i.e. grit blasting and coating application on the inspected components.

For full details per client, we refer to the track record IRM.

## 2020 - 2021

### **Shell UK Ltd. - North Sea - UK sector**

Bluestream provided rope access services during the Barge Campaign, Conductor guide installation, Repair and Inspection of cranes.

### **Wintershall Noordzee B.V. - North Sea - Dutch sector**

Bluestream provided rope access services for the topside umbilical repair at P6-D

### **Scaldis Salvage and Marine Contractors N.V. North Sea - Dutch sector**

Bluestream provided rope access maintenance services at various locations.

### **Petrogas E&P Netherlands B.V. North Sea - Dutch sector**

Bluestream carried out a Potential Dropped Object Survey for the Helm and Haven complex and the removal of various caissons at the Helm, Hoorn and Helder platforms.

### **Seaway Heavy Lifting - North Sea - UK sector**

Bluestream provided stand-by for rescue services required during the installation of the Southwark & Blythe jackets and topsides.

2020 - 2021

## **Heerema Marine Contractors Nederlands SE North Sea - Dutch sector**

Bluestream provided rope access support for the installation of guide pins at the TEB platform and services related to the leg separations of the Brae Bravo.

## **Neptune Energy Nederland B.V. North Sea - Dutch sector**

Bluestream provided rope access services for a CVI & UT inspection.

## **Neptune Energy Nederland B.V. North Sea - Dutch sector**

Bluestream provided rope access services for a riser repair and maintenance campaign.

## **SEW Energy B.V. - North Sea - Dutch sector**

Bluestream provided rigging and rope access services required for the exchange of 36" valve.

## **Petrogas E&P Netherlands B.V. North Sea - Dutch sector**

Bluestream provided rope access Services during 3 separated offshore campaigns:

- Installation of new 10" dump pipe;
- Removal old 20" dump caisson;
- Installing centraliser,

## **Shell UK Ltd. / NAM B.V. - North Sea - Dutch sector**

Bluestream carried out a Potential Dropped Object survey at different platforms.

2020

## **Petrogas E&P Netherlands B.V. North Sea - Dutch sector**

Bluestream provided rope access services during the potential dropped object survey at B13 and A18.





**2018**

### **Seaway Heavy Lifting - North Sea - UK/Dutch sector**

Bluestream provided rope access services to assist with performing a platform inspection of existing welds, non-redundant main structural members, lift point nodes and lift points, prior removal of the platform as part of the decommissioning program.

The following non-destructive tests were performed:

- Close visual inspection;
- Eddy current inspection;
- Magnetic particle inspection;
- Ultrasonic testing.

**2009 - 2017**

### **Sparrows Offshore Services Ltd. North Sea - Dutch sector**

Bluestream provided rope access services for crane inspections on behalf of NAM.

The scope of work included the following tasks:

- Survey of crane boom and mainframe to secure or remove potential dropped objects;
- Visual inspection on crane boom and main frame to inspect on damage, degradation and integrity of all components and ancillary equipment;
- Eddy current and magnetic particle inspection on critical welds of crane boom and mainframe;
- Ultrasonic wall thickness inspection on crane boom and mainframe tubulars and plate work.

2014

## **Neptune Energy Netherlands B.V. North Sea - Dutch sector**

The scope consisted of a close visual inspection of all HP-vent line sections on all platforms of a platform complex.

An estimated length of 400 meters of HP-vent line was inspected for integrity degradation and other anomalies on both the pipe sections as well as the supports.

Suspect areas were inspected in more detail using ultrasonic A-scan techniques.



## Installation and Decommissioning

2009 - 2019

### **Total E&P Nederland B.V. - Maintenance Support North Sea - Dutch sector**

Total E&P Nederland contracted Bluestream for the supply of rope access maintenance support for all offshore assets on the Dutch continental shelf.

The scope of work included the following tasks:

- Centralizer installations including welding;
- Obstruction light and cable replacement;
- Bolt exchange on deteriorated bolted connections of riser clamps, boat fenders and appurtenances.

2011 - 2019

### **Shell UK Ltd. /Nederlandse Aardolie Maatschappij B.V. - Simplification and Decommissioning North Sea - UK/Dutch sector**

The scope of services included decommissioning, construction, hydraulic bolt tensioning rigging and lifting services on various platforms.

The scope of work included the following tasks, but not limited to:

- PDO sweeps and removals;
- Removal of various constructions and parts;
- Survey, non-destructive testing and inspection;
- Destruct of different structures and tanks;
- Disconnection and removal of all power cables, conduits and caissons;
- Removal of the spider decks;
- Cutting and removal of top decks.



2012 - 2019

## **Heerema Marine Contractor - North Sea Dutch/ Norwegian sector**

Bluestream performed various decommissioning and installation scopes:

### **Kotter and Logger (2019)**

Bluestream participated in the Kotter/ Logger decommissioning and removal program, providing rope access services.

The scope of work included the following tasks:

- Non-destructive testing of lift points of modules to be removed, existing of magnetic particle inspection, eddy current and ultrasonic thickness inspection;
- Flame cutting and gouging;
- Cold cutting;
- Rigging and lifting support.

### **Jotun-B (2019)**

Bluestream provided rope access services for decommissioning support of the Jotun B topside.

The scope of work included the following tasks:

- Rigging lifting support;
- Riser and J-tube cutting and removal;
- Umbilical cutting;
- Potential dropped object removal;
- Module splicing;
- Centralizer removal.

### **Sverdrup RP Jacket (2018 - 2019)**

Bluestream provided rope access services for the Johan Sverdrup RP jacket installation scope.

The scope of work included the following tasks:

- Cutting of vertical bumpers;
- Cutting of horizontal braces;
- Assist with removal of sling- and trunnion access platforms;
- Assist with removal of bumpers, guides and bridge cow-horn.

### **Valhall 2/4g Topside removal (2017)**

Bluestream provided rope access services for the Valhall 2/4 G EPRD.

The scope of work included the following tasks:

- Potential dropped object removal;
- Preparing the crane boom for lifting by removing crane wires and ancillary equipment;
- Installing of the lifting arrangement and cutting of the hinges;
- Caisson cutting and securing. For this specific situation the caissons were cut, lifted and secured horizontally under the topside and removed in one lift with the topside;
- Securing and removal of cladding.

### **Ekofisk Decommissioning (2013 - 2014)**

Bluestream provided rope access services during the Ekofisk Decommissioning (EPRD) project.

The scope of work included the following tasks:

- Make safe operations and potential dropped object survey on modules prior to lift;
- Cut structural connections and splices between the individual modules;
- Gouging of under connection welds of modules prior to lift;
- Gas cutting and removal of risers and caissons;
- Draining and removing tubulars of main structure (weight reduction);
- Removal of crane wires and crane booms;
- Prepare for lift operations, rigging and lifting.

2015 - 2019

## **Petrogas E&P Netherlands B.V. North Sea - Dutch sector**

Bluestream provided rope access services for various decommissioning and installation scopes.

### **Halfweg platform**

Bluestream provided rope access services to assist Petrogas during the decommissioning preparations.

The scope of work included the following tasks:

- QHSE support and method statements;
- Smoothing of welds inside the leg on two elevations for the internal pile gripper tool;
- Non-destructive testing;
- Removal of internals inside the legs;
- Rope Access activities contained confined space entry, hot work and NORM.

### **A18 riser installation**

Bluestream was awarded the complete installation contract, both subsea and topside, for the A18 satellite tie-in to the A12-CPP platform.

The scope of work included the following tasks:

- Engineering of all installation and lift plans;
- Delivery of all rigging and lifting gear, independent air supply systems and generators;
- Installation of rigging and lifting equipment on work location including air powered winches and air supply;
- Topside installation of riser hang-off and support clamps;
- Rigging and lifting assistance to installation of the subsea support clamp and spool piece;
- Topside riser section installation including hydraulic bolt tensioning.



2019

## **Allseas - Ninian-North Decommissioning North Sea - UK sector**

Bluestream provided rope access services including onboard management and engineering to support decommissioning activities.

The offshore team consisted of 20 persons, including offshore management (e.g. OCM, Project Engineer, Storekeeper).

The scope of work included the following tasks:

- Provide QHSE support and documents, including input for HSE safety case;
- Create technical work packs, lift plans, method statements and instructions;
- Removal of all interfaces between platform topside- and jacket, including platform legs mainly by use of rope access techniques.

2017

## **Petrogas E&P Netherlands B.V. North Sea - Dutch sector**

Bluestream provided rope access Services for a width variety of activities on various Petrogas E&P platforms.

The scope of work included the following tasks:

- Crane inspections;
- Ball valve installation;
- Centralizer installation.

2016

## **Af Offshore Decomm As - Murchison Decommissioning - North Sea - UK Norwegian sector**

Bluestream provided rope access services during the Murchison Decommissioning project.

The scope of work included the following tasks:

- Gas cutting of redundant steel structures;
- Splicing of modules preparing them for lifting;
- Gouging of module connections;
- Removal of process piping;
- Clearing lifting paths;
- Operating cherry pickers and scissor lifts.



2014 - 2015

## **AJS (NAM/Onegas) - Riser Replacement North Sea - Dutch sector**

Bluestream provided rope access services to NAM/ ONEgas and their integrated service contractor AJS.

The scope of work included the following tasks:

- Installation of equipment and cutting of the damaged riser section using abrasive waterjet cutting;
- Removing redundant riser clamps;
- Non-destructive testing;
- Platform installation support during subsea removal and installation of riser sections;
- Installation of topside riser clamps and riser sections.



Track record



**Renewable Energy**



## 2020 - 2021

### **Smulders N.V. - North Sea - German sector**

Bluestream was contracted by Smulders NV to inspect and exchange bolted connections of the MAP supports at the Trianel Borkum West OWF.

Bluestream was also contracted to replace emergency light and the inspection of GRP diesel tanks at Hohe see OWF.

### **Parkwind N.V. - North Sea - Belgian sector**

Bluestream provided NDT inspections by the use of working at height and rope access both on the internal and the external of various TP locations at Belwind and Northwind OWF.

### **DEME Offshore BE N.V. - North Sea - German sector**

Bluestream was contracted by DEME to execute rectification works, including inspections, paint repairs and mechanical modifications at Hohe See Offshore Windfarm.

## 2021

### **Infrastruktur Windkraftwerk Borkum GmbH & Co. KG North Sea - German sector**

Bluestream provided inspection and coating tasks on the offshore substation and jacket structure above water level at Trianel Borkum Windpark.

## 2020

### **Gemini Offshore Windfarm North Sea - Dutch sector**

Bluestream was contracted by Gemini Offshore Windfarm to perform inspections of several boat-landings on different transition pieces.

The program consisted of the following tasks:

- Provision of CTV for transport of personnel from shore to work site;
- Preparing inspection work packs;
- Perform visual inspections;
- Perform Eddy Current inspections;
- Perform MPI inspections;
- Inspection reporting.

2020

## **Gemini Offshore Windfarm North Sea - Dutch sector**

Bluestream provided general and close visual inspections as well as coating inspections by the use of rope access techniques at the transition pieces of Gemini OWF.

2016 - 2019

## **ABB AG - North Sea - German sector**

Bluestream was contracted by ABB AG to execute several inspection campaigns on ABB convertor platforms DoWin Beta and BorWin Alpha.

The topside program consisted of the following tasks:

- UAV inspection of accessible and non-accessible area's;
- Topside inspection of accessible area's;
- Topside inspection of non-accessible area's by rope access;
- Complete inspection of jacket above sea level and topside;
- Drop cell (cathodic protection) measurements of jacket legs on different elevations;
- Extensive reporting of coating damage and inspection results.

The following non-destructive tests were performed:

- Magnetic particle inspection for surface breaking defects;
- Ultrasonic wall thickness measurement and surface breaking with embedded defects;
- Eddy current detection for surface breaking defects.

2019

## **ABB AG - North Sea - German sector**

Bluestream provided rope access services for subsea and topside inspection of DoWin Beta Offshore Substation.

The topside scope of work included the following tasks:

- Topside rope access inspection;
- Final reporting.



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