

AKA References

Greener Reliable Power



Ahead of the Current

AKA
Energy Systems



STENA DON

Owner	Stena Drilling
Ship Type	Ultra Deepwater Drill Ship
Year: Built	2001
Year: Retrofit	2024
Classification	DNV 1A1
Dimensions	237 ft. long x 220 ft wide
Main Power (kW)	9 X 16V24 Generators Rated Output: 4375KVA
Emergency Power (kW)	Integrated in Main Power
Power Distribution	-
Thrusters	6 X Rolls Royce UUC5001
DP System	DP3
Close Ring System	AKA Integrated
Short Circuit Test	Done By AKA
AGP: Advanced Generator Protection System	AKA Supplied Equipment
ATCAP: Advanced Thruster Control & Protection System	AKA Supplied Equipment
IPD: Intelligent Power Distribution System	-
UPS: Uninterruptible Power Supply	-
HDF: Hybrid Drill Floor	-
ESS: Energy Storage System	-
DOCUMENTATION	-
IPV: Independent Process Validation	-
MV THUSTER DRIVE	-
AKA INSIGHTS	
ADDITIONAL SUPPLY	Utility Trans. Pre-Mag



DEEPWATER TITAN

Owner	Transocean
Ship Type	Ultra Deepwater Drill Ship
Year: Built	2023
Year: Retrofit	-
Classification	DNV GL
Dimensions	817 ft. long x 139.4 ft. wide x 64 ft. deep
Main Power (kW)	6x 16V32E 720rpm, 7680 Kw
Emergency Power (kW)	1x 1,900 kW Cummins
Power Distribution	3 x 11 kV AC with AGP 3 x 690 V
Thrusters	6 RR UUC455 FP 5,500 kW
DP System	DP3
Close Ring System	AKA Integrated
Short Circuit Test	Done By AKA
AGP: Advanced Generator Protection System	AKA Supplied Equipment
ATCAP: Advanced Thruster Control & Protection System	AKA Supplied Equipment
IPD: Intelligent Power Distribution System	AKA Supplied Equipment
UPS: Uninterruptible Power Supply	AKA Supplied Equipment
HDF: Hybrid Drill Floor	AKA Supplied Equipment
ESS: Energy Storage System	AKA Supplied Equipment
DOCUMENTATION	AKA Supplied Equipment
IPV: Independent Process Validation	AKA Supplied Equipment
MV THUSTER DRIVE	
AKA INSIGHTS	AKA Supplied Equipment
ADDITIONAL SUPPLY	



TURKISH PETROLEUM FATİH

Owner	Turkish Petroleum Corporation
Ship Type	Ultra Deepwater Drill Ship
Year: Built	2011
Year: Retrofit	2024
Classification	DNV 1A1
Dimensions	751 ft long x 118 ft wide
Main Power (kW)	8 x 4 cycle turbocharged
Emergency Power (kW)	1 x 1,500 EkW PMS
Power Distribution	B&W/MAN 6 x 4,300 EkW
Thrusters	6 x 5.0 MW thrusters
DP System	DP3
Close Ring System	AKA Integrated
Short Circuit Test	Done By AKA
AGP: Advanced Generator Protection System	AKA Supplied Equipment
ATCAP: Advanced Thruster Control & Protection System	AKA Supplied Equipment
IPD: Intelligent Power Distribution System	-
UPS: Uninterruptible Power Supply	-
HDF: Hybrid Drill Floor	-
ESS: Energy Storage System	-
DOCUMENTATION	-
IPV: Independent Process Validation	-
MV THUSTER DRIVE	-
AKA INSIGHTS	-
ADDITIONAL SUPPLY	-



SEADRILL WEST SATURN

Owner	Seadrill
Ship Type	Ultra Deepwater Drill Ship
Year: Built	2014
Year: Retrofit	2022
Classification	Panama / ABS
Dimensions	748 ft long x 137 ft deep
Main Power (kW)	6 x Himsen 10,500 hp
Emergency Power (kW)	1 x MTU 2,100 hp
Power Distribution	6 x ABB 9,200 hp
Thrusters	6 x Rolls Royce 6,000 hp
DP System	DP3
Close Ring System	AKA Integrated
Short Circuit Test	Done By AKA
AGP: Advanced Generator Protection System	AKA Supplied Equipment
ATCAP: Advanced Thruster Control & Protection System	-
IPD: Intelligent Power Distribution System	-
UPS: Uninterruptible Power Supply	-
HDF: Hybrid Drill Floor	-
ESS: Energy Storage System	-
DOCUMENTATION	-
IPV: Independent Process Validation	-
MV THUSTER DRIVE	-
AKA INSIGHTS	AKA Supplied Equipment
ADDITIONAL SUPPLY	-



GRUPOR LA MURALLA IV

Owner	GrupoR
Ship Type	Ultra Deepwater Drill Ship
Year: Built	2012
Year: Retrofit	2021
Classification	DNV
Dimensions	390 ft long x 317 ft wide
Main Power (kW)	8x Caterpillar C-3616
Emergency Power (kW)	1x MAN D284LE 450 kW
Power Distribution	8x 4,700kW
Thrusters	8x Flowserve WFSD; 3,500 kW
DP System	DP3
Close Ring System	AKA Integrated
Short Circuit Test	Done By AKA
AGP: Advanced Generator Protection System	AKA Supplied Equipment
ATCAP: Advanced Thruster Control & Protection System	AKA Supplied Equipment
IPD: Intelligent Power Distribution System	-
UPS: Uninterruptible Power Supply	-
HDF: Hybrid Drill Floor	-
ESS: Energy Storage System	-
DOCUMENTATION	-
IPV: Independent Process Validation	AKA Supplied Equipment
MV THUSTER DRIVE	-
AKA INSIGHTS	-
ADDITIONAL SUPPLY	-



TRANSOCEAN DHURYBHAI DEEPWATER KG2

Owner	Transocean
Ship Type	Ultra Deepwater Drill Ship
Year: Built	2010
Year: Retrofit	2020
Classification	ABS+A1(E)
Dimensions	748 ft. long x 137 ft. wide x 62 ft. deep
Main Power (kW)	6 x 7.2 MW W16V32 diesel engines driving 1 x 7.29 MW ABB/AMG generator
Emergency Power (kW)	1x 1,900 kW Cummins Marine Diesel Engine powering 1x 11,350 kW Stamford PM734E Generator at 1,800 RPM
Power Distribution	ABB generatorprotection
Thrusters	6x RR AquaMaster FP Azimuths, Removable in Water
DP System	DP3
Close Ring System	AKA Integrated
Short Circuit Test	Done By AKA
AGP: Advanced Generator Protection System	AKA Supplied Equipment
ATCAP: Advanced Thruster Control & Protection System	-
IPD: Intelligent Power Distribution System	-
UPS: Uninterruptible Power Supply	-
HDF: Hybrid Drill Floor	-
ESS: Energy Storage System	-
DOCUMENTATION	AKA Supplied Equipment
IPV: Independent Process Validation	
MV THUSTER DRIVE	
AKA INSIGHTS	
ADDITIONAL SUPPLY	



DIAMOND OCEAN BLACKLION

Owner	Diamond Offshore
Ship Type	Ultra Deepwater Drill Ship
Year: Built	2015
Year: Retrofit	2020
Classification	ABS, A1 Drillship
Dimensions	754 ft long x 118 ft wide x 59 ft deep
Main Power (kW)	6 x 4.5 MW Himsen diesel engines, each driving 5.375 MVA AC generators
Emergency Power (kW)	Cummins 1900 kW engine driving 1x STX 1550 kW AC generator
Power Distribution	2 x 9,000 kW Himsen V-type diesel engines driving 10,875 kVA AC generators
Thrusters	6 x 5,000 kW Azimuth Thrusters
DP System	Kongsberg K-POS
Close Ring System	AKA Integrated
Short Circuit Test	To Be Done By AKA
AGP: Advanced Generator Protection System	AKA Supplied Equipment
ATCAP: Advanced Thruster Control & Protection System	-
IPD: Intelligent Power Distribution System	-
UPS: Uninterruptible Power Supply	-
HDF: Hybrid Drill Floor	-
ESS: Energy Storage System	-
DOCUMENTATION	-
IPV: Independent Process Validation	-
MV THUSTER DRIVE	-
AKA INSIGHTS	-
ADDITIONAL SUPPLY	-



TRANSOCEAN SPITSBERGEN

Owner	Transocean
Ship Type	Ultra Deepwater Drill Ship
Year: Built	2009
Year: Retrofit	2019
Classification	DNV 1A1
Dimensions	295 ft. long x 230 ft. wide
Main Power (kW)	8 Rolls Royce (Bergen Diesel) engines rated at 7,066 hp, 720 rpm
Emergency Power (kW)	1x 1,900 kW Cummins Marine, 1 x 11,350 kW Stamford PM734E
Power Distribution	ABB generatorprotection
Thrusters	6x RR AquaMaster FP Azimuths
DP System	DP3
Close Ring System	AKA Integrated
Short Circuit Test	Done by AKA
AGP: Advanced Generator Protection System	AKA Supplied Equipment
ATCAP: Advanced Thruster Control & Protection System	-
IPD: Intelligent Power Distribution System	-
UPS: Uninterruptible Power Supply	-
HDF: Hybrid Drill Floor	-
ESS: Energy Storage System	-
DOCUMENTATION	-
IPV: Independent Process Validation	-
MV THUSTER DRIVE	-
AKA INSIGHTS	AKA Supplied Equipment
ADDITIONAL SUPPLY	-



DEEPWATER POSEIDON

Owner	Transocean
Ship Type	Ultra Deepwater Drill Ship
Year: Built	2017
Year: Retrofit	-
Classification	DNV
Dimensions	781 ft long x 138 ft wide x 62 ft depth
Main Power (kW)	6 x 720 rpm diesel, 6 x 6,750 kW x 11kV generator (HHI)
Emergency Power (kW)	1 x 2000kW
Power Distribution	AKA
Thrusters	6 x FPP Azimuth (GE)
DP System	DP3
Close Ring System	Built In
Short Circuit Test	To Be Done By AKA
AGP: Advanced Generator Protection System	AKA Supplied Equipment
ATCAP: Advanced Thruster Control & Protection System	AKA Supplied Equipment
IPD: Intelligent Power Distribution System	AKA Supplied Equipment
UPS: Uninterruptible Power Supply	AKA Supplied Equipment
HDF: Hybrid Drill Floor	AKA Supplied Equipment
ESS: Energy Storage System	AKA Supplied Equipment
DOCUMENTATION	AKA Supplied Equipment



DEEPWATER CONQUEROR

Owner	Transocean
Ship Type	Ultra Deepwater Drill Ship
Year: Built	2016
Year: Retrofit	-
Classification	DNV
Dimensions	781 ft long x 138 ft wide x 62 ft depth
Main Power (kW)	6 x 720 rpm diesel, 6 x 6,750 kW x 11kV generator (HHI)
Emergency Power (kW)	1 x 2000kW
Power Distribution	AKA
Thrusters	6 x FPP Azimuth (GE)
DP System	DP3
Close Ring System	Built In
Short Circuit Test	Done By AKA
AGP: Advanced Generator Protection System	AKA Supplied Equipment
ATCAP: Advanced Thruster Control & Protection System	AKA Supplied Equipment
IPD: Intelligent Power Distribution System	AKA Supplied Equipment
UPS: Uninterruptible Power Supply	AKA Supplied Equipment
HDF: Hybrid Drill Floor	AKA Supplied Equipment
ESS: Energy Storage System	AKA Supplied Equipment
DOCUMENTATION	AKA Supplied Equipment



DEEPWATER PONTUS

Owner	Transocean
Ship Type	Ultra Deepwater Drill Ship
Year: Built	2015
Year: Retrofit	-
Classification	DNV
Dimensions	781 ft long x 138 ft wide x 62 ft depth
Main Power (kW)	6 x 720 rpm diesel, 6 x 6,750 kW x 11kV generator (HHI)
Emergency Power (kW)	1 x 2000kW
Power Distribution	AKA
Thrusters	6 x FPP Azimuth (GE)
DP System	DP3
Close Ring System	Built In
Short Circuit Test	To Be Done By AKA
AGP: Advanced Generator Protection System	AKA Supplied Equipment
ATCAP: Advanced Thruster Control & Protection System	AKA Supplied Equipment
IPD: Intelligent Power Distribution System	AKA Supplied Equipment
UPS: Uninterruptible Power Supply	AKA Supplied Equipment
HDF: Hybrid Drill Floor	AKA Supplied Equipment
ESS: Energy Storage System	AKA Supplied Equipment
DOCUMENTATION	AKA Supplied Equipment



DEEPWATER PROTEUS

Owner	Transocean
Ship Type	Ultra Deepwater Drill Ship
Year: Built	2015
Year: Retrofit	-
Classification	DNV
Dimensions	781 ft long x 138 ft wide x 62 ft depth
Main Power (kW)	6 x 720 rpm diesel, 6 x 6,750 kW x 11kV generator (HHI)
Emergency Power (kW)	1 x 2000kW
Power Distribution	AKA
Thrusters	6 x FPP Azimuth (GE)
DP System	DP3
Close Ring System	Built In
Short Circuit Test	Done By AKA
AGP: Advanced Generator Protection System	AKA Supplied Equipment
ATCAP: Advanced Thruster Control & Protection System	AKA Supplied Equipment
IPD: Intelligent Power Distribution System	AKA Supplied Equipment
UPS: Uninterruptible Power Supply	AKA Supplied Equipment
HDF: Hybrid Drill Floor	AKA Supplied Equipment
ESS: Energy Storage System	AKA Supplied Equipment
DOCUMENTATION	AKA Supplied Equipment



DEEPWATER THALASSA

Owner	Transocean
Ship Type	Ultra Deepwater Drill Ship
Year: Built	2015
Year: Retrofit	-
Classification	DNV
Dimensions	781 ft long x 138 ft wide x 62 ft depth
Main Power (kW)	6 x 720 rpm diesel, 6 x 6,750 kW x 11kV generator (HHI)
Emergency Power (kW)	1 x 2000kW
Power Distribution	AKA
Thrusters	6 x FPP Azimuth (GE)
DP System	DP3
Close Ring System	Built In
Short Circuit Test	Done By AKA
AGP: Advanced Generator Protection System	AKA Supplied Equipment
ATCAP: Advanced Thruster Control & Protection System	AKA Supplied Equipment
IPD: Intelligent Power Distribution System	AKA Supplied Equipment
UPS: Uninterruptible Power Supply	AKA Supplied Equipment
HDF: Hybrid Drill Floor	AKA Supplied Equipment
ESS: Energy Storage System	AKA Supplied Equipment
DOCUMENTATION	AKA Supplied Equipment



RT EMOTION

Owner	Kotug International
Vessel Configuration	Ship Assist Tug
Year: Built	2015
Year: Retrofit	-
Designed to Class / Regulatory Body	Lloyds
Class / Regulatory Notations	Lloyds Green Ship
Length	32 m
Tonnage (Gross/Net)	491 / 147
Battery Provision	2x 39 KWhr Lithium Polymer Battery Banks
Main Engines	3x 1765 KW, Caterpillar 3512C
Auxiliary Engines	1x 450 eKW Caterpillar C18 1x 200 eKW Caterpillar C9
Motor-Generators	3x 500 KW TECO - Westinghouse inline Motor-Generators
Propulsion	3x Schottel Rudderpropeller SRP 1215
Bollard Pull (Ahead/Astern)	80 tonnes
Total Propulsion Power	5295 KW
Maximum Speed	12.5 knots
Hybrid System	AKA Hybrid System
Milestones	-



DISCOVERER CLEAR LEADER

Owner	Transocean
Ship Type	Ultra Deepwater Drill Ship
Year: Built	2008
Year: Retrofit	2014
Classification	DNV
Dimensions	835 ft long x 125 ft wide x 62 ft depth
Main Power (kW)	6 x 7,000 kW diesel (SIEMENS)
Emergency Power (kW)	1 x 2100kW
Power Distribution	SIEMENS + AKA
Thrusters	6 x Azimuth (RR)
DP System	DP3
Close Ring System	Built In
Short Circuit Test	Done By AKA
AGP: Advanced Generator Protection System	AKA Supplied Equipment
ATCAP: Advanced Thruster Control & Protection System	-
IPD: Intelligent Power Distribution System	-
UPS: Uninterruptible Power Supply	AKA Supplied Equipment
HDF: Hybrid Drill Floor	-
ESS: Energy Storage System	-
DOCUMENTATION	AKA Supplied Equipment



DEEPWATER INVICTUS

Owner	Transocean
Ship Type	Ultra Deepwater Drill Ship
Year: Built	2014
Year: Retrofit	-
Classification	DNV
Dimensions	781 ft long x 138 ft wide x 62 ft depth
Main Power (kW)	6 x 7,000 kW, 720 rpm diesel, 6 x 8,125 kVA generator
Emergency Power (kW)	1 x 1785kW
Power Distribution	SIEMENS + AKA
Thrusters	6 x FPP Azimuth (RR)
DP System	DP3
Close Ring System	Built In
Short Circuit Test	Done By AKA
AGP: Advanced Generator Protection System	AKA Supplied Equipment
ATCAP: Advanced Thruster Control & Protection System	-
IPD: Intelligent Power Distribution System	-
UPS: Uninterruptible Power Supply	AKA Supplied Equipment
HDF: Hybrid Drill Floor	-
ESS: Energy Storage System	-
DOCUMENTATION	AKA Supplied Equipment



DEEPWATER ASGARD

Owner	Transocean
Ship Type	Ultra Deepwater Drill Ship
Year: Built	2014
Year: Retrofit	-
Classification	DNV
Dimensions	781 ft long x 138 ft wide x 62 ft depth
Main Power (kW)	6 x 7,000 kW, 720 rpm diesel, 6 x 8,125 kVA generator
Emergency Power (kW)	1 x 1780kW
Power Distribution	SIEMENS + AKA
Thrusters	6 x FPP Azimuth (RR)
DP System	DP3
Close Ring System	Built In
Short Circuit Test	Done By AKA
AGP: Advanced Generator Protection System	AKA Supplied Equipment
ATCAP: Advanced Thruster Control & Protection System	-
IPD: Intelligent Power Distribution System	-
UPS: Uninterruptible Power Supply	AKA Supplied Equipment
HDF: Hybrid Drill Floor	-
ESS: Energy Storage System	-
DOCUMENTATION	AKA Supplied Equipment



RT EVOLUTION

Owner	Kotug International
Vessel Configuration	Ship Assist Tug
Year: Built	2014
Year: Retrofit	-
Designed to Class / Regulatory Body	Lloyds
Class / Regulatory Notations	Lloyds Green Ship
Length	32 m
Tonnage (Gross/Net)	491 / 147
Battery Provision	2x 39 KWhr Lithium Polymer Battery Banks
Main Engines	3x 1765 KW, Caterpillar 3512C
Auxiliary Engines	1x 450 eKW Caterpillar C18 1x 200 eKW Caterpillar C9
Motor-Generators	3x 500 KW TECO - Westinghouse inline Motor-Generators
Propulsion	3x Schottel Rudderpropeller SRP 1215
Bollard Pull (Ahead/Astern)	80 tonnes
Total Propulsion Power	5295 KW
Maximum Speed	12.5 knots
Hybrid System	AKA Hybrid System
Milestones	-



DRYDEN

Owner	Bhagwan Marine
Vessel Configuration	Dive Support Vessel
Year: Built	2014
Year: Retrofit	-
Designed to Class / Regulatory Body	ABS
Class / Regulatory Notations	DP2
Length	57 m
Tonnage (Gross/Net)	1500 / 440
Battery Provision	2x 65 KWhr Lithium Polymer Battery Banks
Main Engines	2x 950 eKW Cummins QSK38-M Generators
Auxiliary Engines	2x 400 eKW Cummins QSK19 Generators 1x 125 kW Cummins QSB7 Emergency Generator
Motor-Generators	2x 830 KW 1500 RPM Indar AC Induction Propulsion Motors
Propulsion	2x Schottel STP 550 FP Twin Propeller Azimuth Thruster
Bollard Pull (Ahead/Astern)	16 tonnes
Total Propulsion Power	1630 KW
Maximum Speed	11 knots
Hybrid System	AKA Hybrid System
Milestones	World's First Intrinsically Safe Egress Mode



DEEPWATER NAUTILUS

Owner	Transocean
Ship Type	Semi-Rig
Year: Built	2000
Year: Retrofit	2007/2014
Classification	ABS
Dimensions	374 ft long x 308 ft wide x 136 ft depth
Main Power (kW)	6 x 6,300 hp diesel, 4 x 4,700 kW generator (ABS)
Emergency Power (kW)	1 x 500kW (CAT)
Power Distribution	HAMMOND + AKA
Thrusters	-
DP System	DP2
Close Ring System	Retrofitted
Short Circuit Test	Done By AKA
AGP: Advanced Generator Protection System	AKA Supplied Equipment
ATCAP: Advanced Thruster Control & Protection System	-
IPD: Intelligent Power Distribution System	-
UPS: Uninterruptible Power Supply	AKA Supplied Equipment
HDF: Hybrid Drill Floor	-
ESS: Energy Storage System	-
DOCUMENTATION	AKA Supplied Equipment



RT ADRIAAN

Owner	Kotug International
Vessel Configuration	Ship Assist Tug
Year: Built	-
Year: Retrofit	2012
Designed to Class / Regulatory Body	Lloyds
Class / Regulatory Notations	Lloyds Green Ship
Length	32 / 29 m
Tonnage (Gross/Net)	463 / 138
Battery Provision	78 kWhr Lithium Polymer Battery Banks
Main Engines	3x 1765 kW, Caterpillar 3512C
Auxiliary Engines	2x 250 kW Caterpillar C9 Generators 1x 36 kW Caterpillar C 4.4 Harbour Generator
Motor-Generators	3x 500 kW TECO - Westinghouse inline Motor-Generators
Propulsion	3x Schottel Rudderpropeller SRP 1215
Bollard Pull (Ahead/Astern)	84/82 tonnes
Total Propulsion Power	5295 kW
Maximum Speed	10 knots transit mode
Hybrid System	AKA Hybrid System
Milestones	Europe's First Hybrid Tug Boat



DEEPWATER CHAMPION

Owner	Transocean
Ship Type	Ultra Deepwater Drill Ship
Year: Built	2010
Year: Retrofit	2011
Classification	DNV DYNPOS-AUTRO
Dimensions	752 ft long x 118 ft wide x 59 ft depth
Main Power (kW)	6 x 6,035 hp diesel, 6 x 4.3 MW generator, 2 x 12,069 hp diesel, 2 x 8.7 MW generator (ABB)
Emergency Power (kW)	1 x 1500kW
Power Distribution	ABB + AKA
Thrusters	6 x FPP Azimuth (RR)
DP System	DP2
Close Ring System	Retrofitted
Short Circuit Test	Done By AKA
AGP: Advanced Generator Protection System	AKA Supplied Equipment
ATCAP: Advanced Thruster Control & Protection System	-
IPD: Intelligent Power Distribution System	-
UPS: Uninterruptible Power Supply	AKA Supplied Equipment
HDF: Hybrid Drill Floor	-
ESS: Energy Storage System	-
DOCUMENTATION	AKA Supplied Equipment



CAMPBELL FOSS

Owner	Foss Maritime
Vessel Configuration	Ship Assist Tug
Year: Built	-
Year: Retrofit	2011
Designed to Class / Regulatory Body	USCG
Class / Regulatory Notations	EPA Reduced Emissions
Length	24m
Tonnage (Gross/Net)	144/98
Battery Provision	65 KWhr Lithium Polymer Battery Bank
Main Engines	2x 1894 KW, Caterpillar 3512D
Auxiliary Engines	1x 125 kW John Deere 6081 Generator 1x 350 kW MTU Series 60 Generator
Motor-Generators	2x 830 KW 1500 RPM Indar AC Induction Propulsion Motors
Propulsion	Rolls-Royce US205 Azimuthing Stern Drives
Bollard Pull (Ahead/Astern)	65/69 tonnes
Total Propulsion Power	3788 KW
Maximum Speed	14+ knots top speed
Hybrid System	AKA Hybrid System
Milestones	Worlds First Retrofit of Conventional System to Hybrid System



CAROLYN DOROTHY

Owner	Foss Maritime
Vessel Configuration	Ship Assist Tug
Year: Built	2009
Year: Retrofit	-
Designed to Class / Regulatory Body	USCG
Class / Regulatory Notations	EPA Reduced Emissions
Length	24m
Tonnage (Gross/Net)	144/98
Battery Provision	208 KWhr Lithium Polymer Battery Bank
Main Engines	2x 1342 KW, Cummins QSK50
Auxiliary Engines	2x 330 kW Cummins QSM11, Generators
Motor-Generators	2x 900 KW Siemens inline Motor-Generators
Propulsion	Rolls-Royce US205 Azimuthing Stern Drives
Bollard Pull (Ahead/Astern)	64.5/60 tonnes
Total Propulsion Power	3344 KW
Maximum Speed	14+ knots top speed
Hybrid System	AKA Hybrid System
Milestones	Worlds First Hybrid Tug Boat



DISCOVERER INSPIRATION

Owner	Transocean
Ship Type	Ultra Deepwater Drill Ship
Year: Built	2008
Year: Retrofit	-
Classification	DNV
Dimensions	835 ft long x 125 ft wide x 62 ft deep
Main Power (kW)	6 x 7,000 kW diesel (SIEMENS)
Emergency Power (kW)	1 x 2100kW (HYUNDAI)
Power Distribution	SIEMENS + AKA
Thrusters	6 x Azimuth (RR)
DP System	DP3
Close Ring System	Built In
Short Circuit Test	Not Required
AGP: Advanced Generator Protection System	AKA Supplied Equipment
ATCAP: Advanced Thruster Control & Protection System	-
IPD: Intelligent Power Distribution System	-
UPS: Uninterruptible Power Supply	AKA Supplied Equipment
HDF: Hybrid Drill Floor	-
ESS: Energy Storage System	-
DOCUMENTATION	AKA Supplied Equipment



DISCOVERER DEEP SEAS

Owner	Transocean
Ship Type	Ultra Deepwater Drill Ship
Year: Built	2001
Year: Retrofit	-
Classification	DNV
Dimensions	835 ft long x 125 ft wide x 64 ft deep
Main Power (kW)	4 x 9,772 hp diesel, 2 x 6,515 hp diesel (ABB)
Emergency Power (kW)	1 x 3257 hp diesel (ABB)
Power Distribution	BAYLOR + AKA
Thrusters	6 x Azimuth (RR)
DP System	DP3
Close Ring System	Retrofitted
Short Circuit Test	Not Required
AGP: Advanced Generator Protection System	AKA Supplied Equipment
ATCAP: Advanced Thruster Control & Protection System	AKA Supplied Equipment
IPD: Intelligent Power Distribution System	-
UPS: Uninterruptible Power Supply	AKA Supplied Equipment
HDF: Hybrid Drill Floor	-
ESS: Energy Storage System	-
DOCUMENTATION	AKA Supplied Equipment



DISCOVERER SPIRIT

Owner	Transocean
Ship Type	Ultra Deepwater Drill Ship
Year: Built	2000
Year: Retrofit	2009
Classification	DNV
Dimensions	835 ft long x 125 ft wide x 62 ft deep
Main Power (kW)	4 x 9,772 hp diesel, 2 x 6,515 hp diesel, 6 x 1,000 kW generator (ABB)
Emergency Power (kW)	1 X 2635kVA (ABB)
Power Distribution	BAYLOR + AKA
Thrusters	6 x Azimuth
DP System	DP3
Close Ring System	Retrofitted
Short Circuit Test	Not Required
AGP: Advanced Generator Protection System	AKA Supplied Equipment
ATCAP: Advanced Thruster Control & Protection System	AKA Supplied Equipment
IPD: Intelligent Power Distribution System	-
UPS: Uninterruptible Power Supply	AKA Supplied Equipment
HDF: Hybrid Drill Floor	-
ESS: Energy Storage System	-
DOCUMENTATION	AKA Supplied Equipment



DEEPWATER MILLENNIUM

Owner	Transocean
Ship Type	Ultra Deepwater Drill Ship
Year: Built	1999
Year: Retrofit	2007/2013
Classification	ABS
Dimensions	726 ft long x 138 ft wide x 66 ft deep
Main Power (kW)	3 x 9,333 hp diesel, 3 x 6,266 hp diesel each (ABB)
Emergency Power (kW)	1 x 608 hp diesel (ABB)
Power Distribution	ABB + AKA
Thrusters	6 x Azimuth (KAMEWA)
DP System	DP3
Close Ring System	Retrofitted
Short Circuit Test	Not Required
AGP: Advanced Generator Protection System	AKA Supplied Equipment
ATCAP: Advanced Thruster Control & Protection System	-
IPD: Intelligent Power Distribution System	-
UPS: Uninterruptible Power Supply	AKA Supplied Equipment
HDF: Hybrid Drill Floor	-
ESS: Energy Storage System	-
DOCUMENTATION	AKA Supplied Equipment



FRONTIER

Owner	Transocean
Ship Type	Ultra Deepwater Drill Ship
Year: Built	1999
Year: Retrofit	2011
Classification	ABS
Dimensions	726 ft long x 138 ft wide x 66 ft deep
Main Power (kW)	3 x 4,700 kW (ABB)
Emergency Power (kW)	1 X 400kW (AVK)
Power Distribution	ABB + AKA
Thrusters	6 x FPP Azimuth
DP System	DP3
Close Ring System	Retrofitted
Short Circuit Test	Not Required
AGP: Advanced Generator Protection System	AKA Supplied Equipment
ATCAP: Advanced Thruster Control & Protection System	-
IPD: Intelligent Power Distribution System	-
UPS: Uninterruptible Power Supply	AKA Supplied Equipment
HDF: Hybrid Drill Floor	-
ESS: Energy Storage System	-
DOCUMENTATION	AKA Supplied Equipment



DEEPWATER PATHFINDER

Owner	Transocean
Ship Type	Ultra Deepwater Drill Ship
Year: Built	1998
Year: Retrofit	2007
Classification	ABS
Dimensions	727 ft long x 138 ft wide x 66 ft deep
Main Power (kW)	6 x 7,290 kW, 720 rpm diesel, 6 x 8,750 kVA generator (ABB)
Emergency Power (kW)	1 x 470kW (AVK)
Power Distribution	HAMMOND + AKA
Thrusters	6 x FPP Azimuth
DP System	DP3
Close Ring System	Retrofitted
Short Circuit Test	Not Required
AGP: Advanced Generator Protection System	AKA Supplied Equipment
ATCAP: Advanced Thruster Control & Protection System	-
IPD: Intelligent Power Distribution System	-
UPS: Uninterruptible Power Supply	AKA Supplied Equipment
HDF: Hybrid Drill Floor	-
ESS: Energy Storage System	-
DOCUMENTATION	AKA Supplied Equipment

AKA Energy Systems

AKA Energy Systems (Aspin Kemp & Associates Inc.) is an energy systems provider delivering innovative solutions to island and microgrid power systems. AKA designs, manufactures, and supports power and propulsion assets for marine, Offshore O&G, and land-based industries.

AKA has shifted the paradigm for fuel efficiency and reliability in offshore drilling with proven fuel savings of over 50% and similar results in marine and land-based microgrids.

AKA offers a full spectrum of integrated products and services including systems integration, new product development, engineering, manufacturing, testing, installation, commissioning, life cycle support, field services, integrated documentation, and training. AKA's manufacturing facility in Prince Edward Island, Canada includes a state-of-the-art mechanical fabrication shop, an electrical assembly area, and a medium voltage test bay. AKA's global clients and partners also include MAN Energy Solutions, Transocean, Shell, GE Energy, Siemens, Eaton, Schneider Electric, and many more.



HEADQUARTERS

23 Brook Street
Montague, PE C0A 1R0
Canada

AKA WORLD OFFICES

Canada - Owen Sound
US - Houston
France - Belfort
Singapore

SALES INFO

+1.902.620.4882
sales@aka-group.com
www.aka-group.com