



Certified Sustainable Cable Maintenance

Statements and World Wide References





FIRE SECURITY



Presented in this folder is a selection of statements received from our customers. They demonstrate our extensive client base both on and offshore, including rigs, fleets, industry and civil engineering projects.

Our clients each have their own unique requirements for high quality products and a professional turnkey delivery with a minimum of interruption to their operations.

Fire Security's coating and repair systems have obtained type approval certificates from the world's leading international classification societies.

Ole Tom Eidjord
Principal, CEO and President



Stuart Lundie
Maintenance Supervisor
Discoverer Luanda
Transocean
001 832 587 4304

Dear Paul,

Thank you for the work carried out onboard the Discoverer Luanda, this involved applying a fire resistant coating to all electrical cables in the main and emergency generator rooms and purifier rooms. This work was done safely, efficiently and to a high quality of workmanship.

Based on the work performed on this ship I have no problem recommending Fire Security a.s for future work of a similar nature.

Regards

Stuart Lundie

Stuart Lundie
Maintenance Supervisor
Discoverer Luanda

Transocean Transocean's mission is to be the premier offshore drilling company by providing worldwide, rig-based well construction services to their customers through the integration of motivated people, quality equipment, and innovative technology, with a particular focus on technically demanding environments.



LETTERS OF RECOMMENDATION



Mott MacDonald is a uniquely diverse range of consultants delivering engineering, management, and development in extremely high profile projects across the world, working to meet some of the world's most significant challenges within sectors like energy, industry, transportation, and the environment.



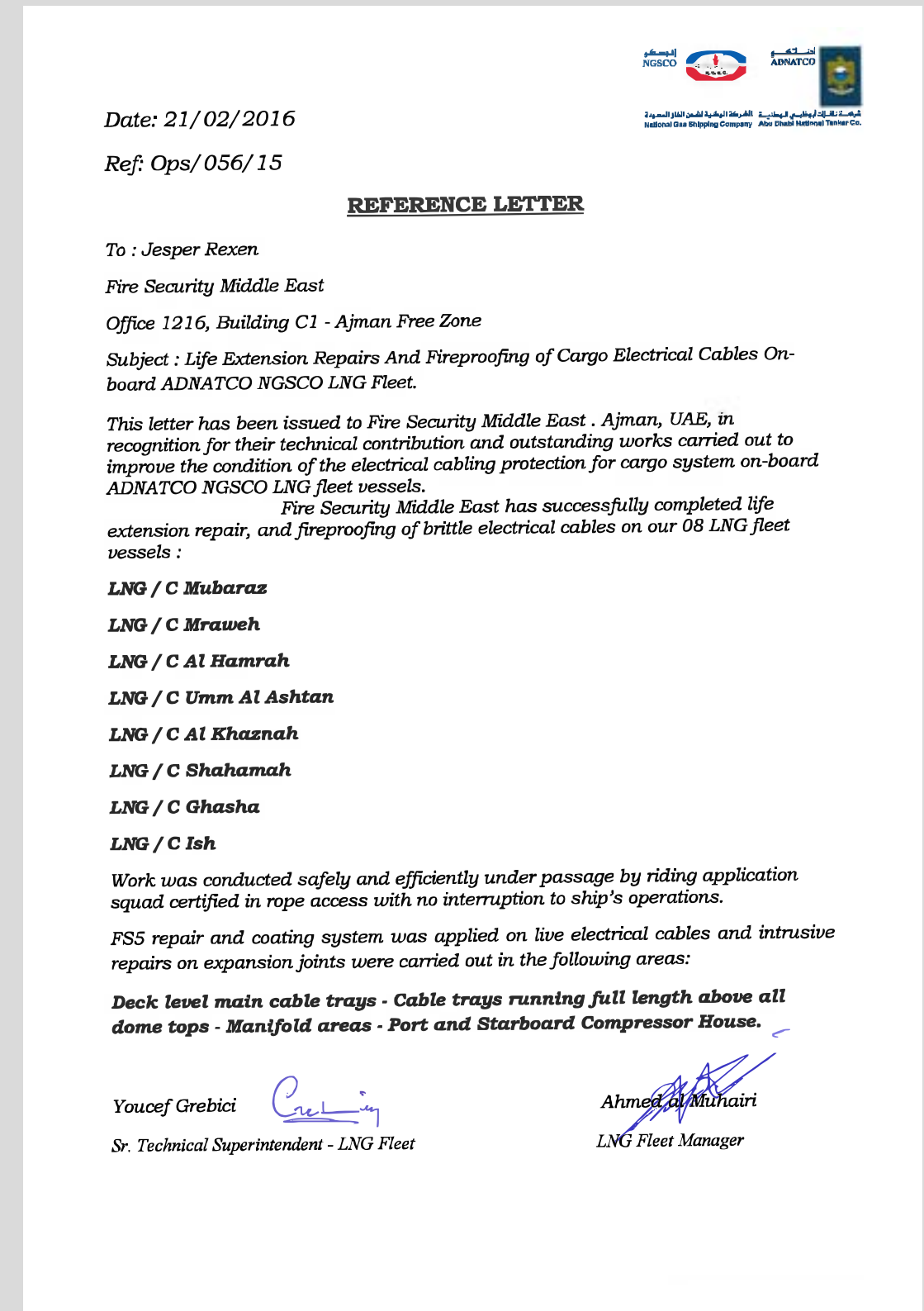
Electricity and Water Authority in the Kingdom of Bahrain provides electricity and water services at the highest level of quality and reliability to ensure sustainable development and uninterrupted services.



LETTERS OF RECOMMENDATION



MOL LNG Transport (Europe) Ltd is a London based ship management company 100% owned by Mitsui O.S.K Lines, managing 14 LNG carriers and 1 FSRU for MOL and joint venture owners. The company achieved a British Safety Council 5 Star Award and Sword of Honour in 2017 and Investors in People (IIP6) Silver Award in 2016.



Abu Dhabi National Tanker Company (ADNATCO), established in 1975 for the transport of crude oil & petroleum products, is a wholly-owned subsidiary of Abu Dhabi National Oil Company (ADNOC). ADNATCO vessels trade worldwide for international customers, including major oil companies. ADNATCO currently operate as ADNOC Logistics & Services.



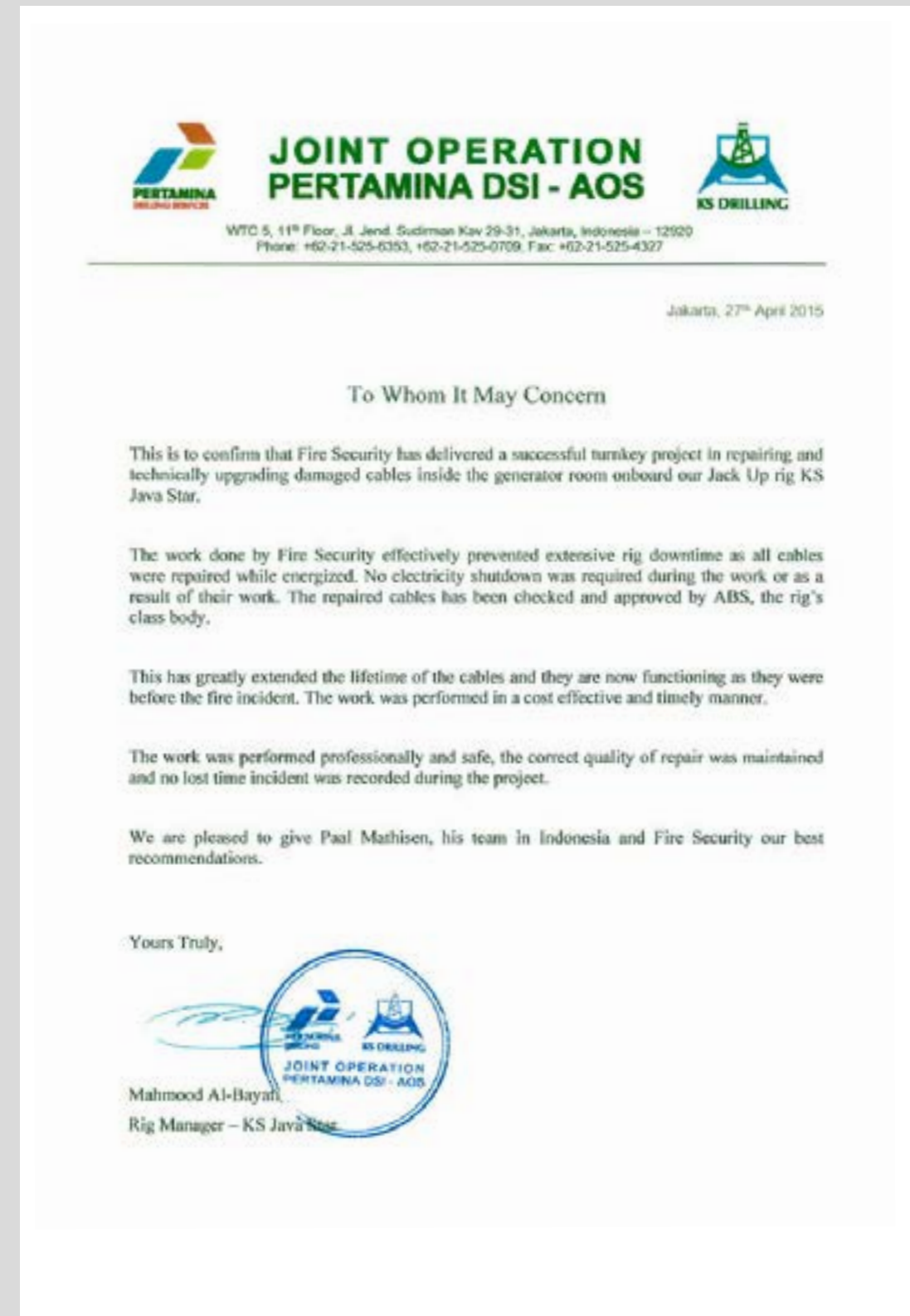
LETTERS OF RECOMMENDATION



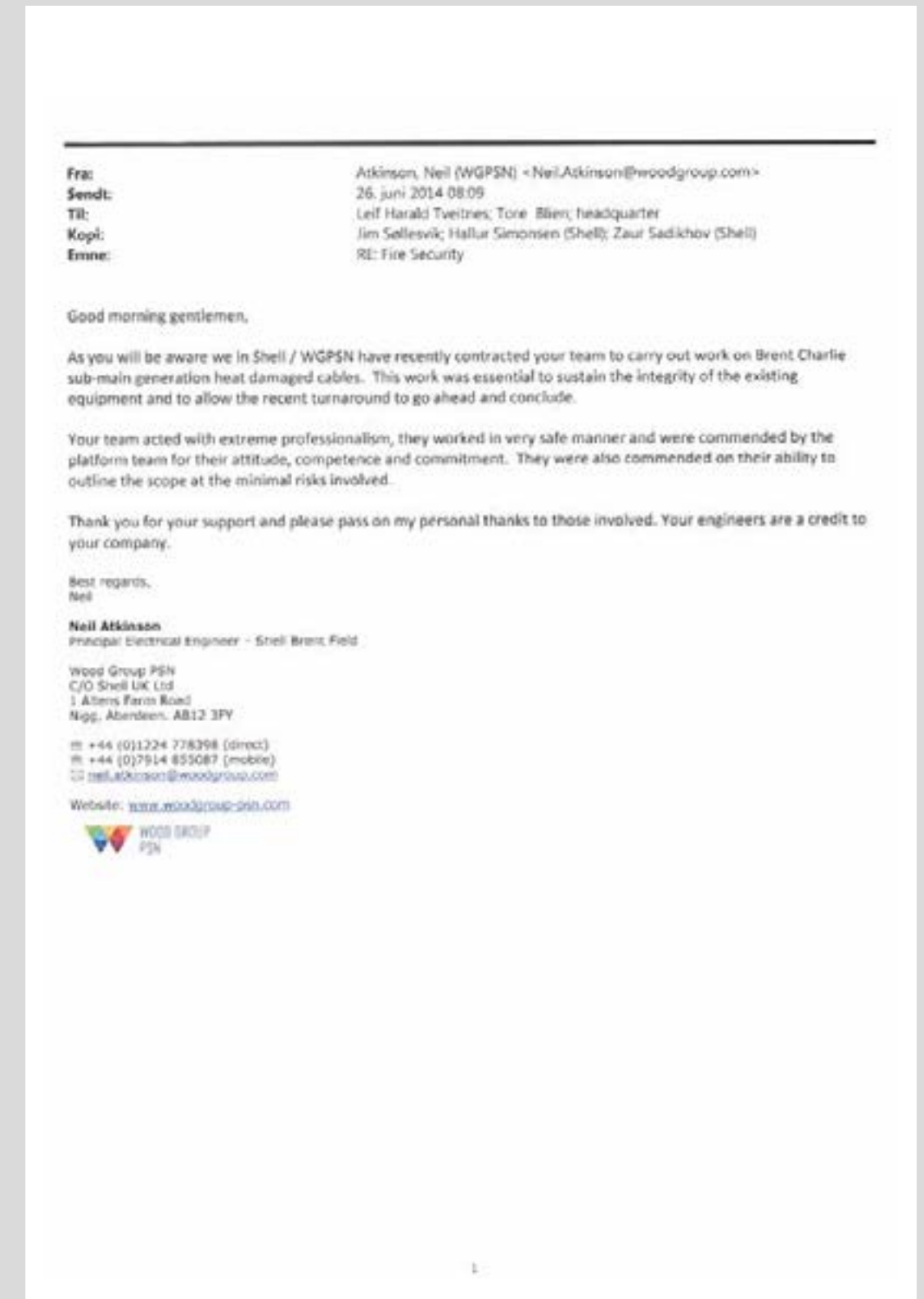
Berksan The Route 2020 Metro Link project from Dubai Roads and Transport Authority is an extension of the Dubai metro service, connecting the interchange at Jebel Ali with the flagship metro station at the Expo 2020 site. Consisting of a 15km extension – of which approximately 12km is above ground and 3km underground – it features seven stations and branches from the existing Red Line.



Established in 1978, **BK Gulf LLC** is a leading contractor in electrical, mechanical, instrumentation and building services within the UAE & Middle East markets. Providing integrated engineering solutions which encompass design, procurement, construction, project management, commissioning, and facilities management tailored to clients' requirements.



PT Pertamina Drilling Services Indonesia (PDSI) is a subsidiary of PERTAMINA and has been operating for more than 10 years. PDSI is engaged in exploration drilling services, exploitation drilling and workover of oil, gas and geothermal wells. PDSI also provides integrated drilling solutions (one-stop drilling services). PDSI conducts drilling activity in both onshore and offshore locations.



A leading international energy services company, **Wood Group** comprises Wood Group Engineering and Wood Group PSN. Wood Group currently operates in 50 countries worldwide and earns around \$7bn in sales. Wood Group PSN employ over 40,000 people, and have 5,000 more in our joint ventures.



Reinier Pedersen
Engineering and Maintenance Manager
Egyptian Drilling Company

الإدارة ١٧، طريق القاهرة السويس الصحراوي القاهرة ج.م.ع. ص.ب. ٨٠٧١ مساكن مدينة نصر ١١٧٧١، ت. ٢٤٠٦ ٢٢٢٢ - فاكس: ٢٤٠٦ ٢٢٢٠ - EDRLO UN ٢٠١٢٢ تكي ٢٤٠٦ ٢٢٢٢ -
Km 17.5 Gaiouf Suez Desert Road Cairo - A.R.E. P.O. Box 8071 NASR CITY HOUSING 11371 - TEL: 2406 2222 - TELEX: 20122 EDRLO UN - FAX: 2406 2300

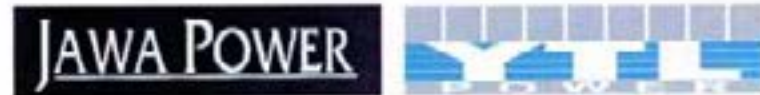
FS Page 12



FS Page 13



LETTERS OF RECOMMENDATION



17 February 2012

To Whom It May Concern:

This is to advise that Fire Security, Norway, acting via its subsidiaries Skytech Safety (Singapore) and Fire Security Indonesia, performed two projects at the Paitan II Power Station related to the fire-proof coating of electrical cables at the Plant.

The Contractor provided materials & labour, and applied the coating to critical cables located at the following areas:

- Plant cable tunnels
- Stackers – Reclaimers (2 units)
- Ship – Unloaders (2 units)
- Transformer areas
- Turbine Oil Room
- Turbine area
- At various motors located in hazardous areas
- On various cable trays

Material arrival and coating application were performed on schedule.

The Contractor's application was inspected by the Plant Operator and the work met the required technical specifications and standards of quality.

Discrepancies were minor and immediately addressed by the Contractor and suitably rectified.

The cost of the work, materials & labour, met the project budget.

If any additional information is required please contact me:

Sid Sheps
Manager, Procurement & Contracts
Paitan II Power Station
PT YTL Jawa Timur (on behalf of PT Jawa Power)
East Java, Indonesia
tel: 62 335 772100 (K 4020)
fax: 62 335 773163
e-mail: sid.sheps@ytl.com

YTL Power International Berhad is an international multi-utility group active across key segments of the utility industry. Headquartered in Malaysia and listed on Bursa Malaysia, YTL operate in Malaysia, the United Kingdom, Singapore, Australia and Indonesia.



TECHNIP UK LIMITED

To Whom It May Concern

During the through life extension of Diving Support Vessel (DSV) Wellsevicor, Technip UK employed the services of Fire Safety AS to attend the vessel at A&P Tyne dry docks in order to apply the patented FS1 cable protection product in all major machinery spaces onboard the vessel. The purpose of the exercise was to provide a Classification Society and Norwegian Authorities approved, first class insurance against major cable damage in the event of a serious fire whilst also providing excellent cable insulation protection.

Fire Security AS completed their scope of work in a safe conscientious manner within the agreed time frame and budget, whilst causing minimum disruption to the vessel staff and the equipment upgrade works taking place at the time.
Fire Security AS provided a comprehensive and complete QA documentation package on completion of the works.

Technip UK can confirm that Security AS are a professional organisation and the FS1 product is extremely effective at protecting cabling from the effects of fire damage.
Technip are currently considering the application of the FS1 product to more vessels in their fleet.

Kind Regards,

Ryan J Hutton

Vessel Superintendent

nDocument2



Technip UK Limited - Enterprise Drive - Warrhill - Aberdeenshire - AB52 6DQ - UK - www.technip.com
Tel.: +44 (0)1224 271000 - Fax: +44 (0)1224 271271
Registered Office: 262 High Holborn - London - WC1V 7HA - UK
Registered in England for 200086

Technip is a listed industrial company headquartered in Paris. The firm is among the largest in the world in oil service with more than 40,000 employees and sales of 9.3 billion Euro.



Fire Security Middle East
PO Box 40068
Ajman, United Arab Emirates.
Attn: Mr. Jesper Rexen

To Whom It May Concern

Fire Security Middle East has safely and efficiently delivered turnkey projects of cable coating fire proofing on live electrical cables to Emirates Global Aluminium.

Fire Security has successfully completed in a safe and professional manner the following contracts:

- CE 4702** Fire protection of critical cables plant wide
- E16 / 038** Power Area - Fire Coating Of Critical Cables
- E15 / 025** Carbon Area - Fire Coating Of Critical Cables
- E10 / 012** Fire Coating Of Critical Cables for Cast House Substations
- E10 / 105** Fire Coating of Critical Cables for Power Area
- CE 5069** Thermal protection of electrical cables in panels in pot rooms
- T17 / 061** Thermal protection of potline cables
- T19 / 039** Fire protection coating for new cables installed in Power Area

Based on the above we are pleased to confirm that the quality of the delivery and applications were to the highest standard and in accordance with FM Global certification.


Ahmad Matar Khalifa Alsuwaidi
Manager - Energy
CAPEX Projects

CC: Contracts

Emirates Global Aluminium is the world's largest 'premium aluminium' producer and the biggest industrial company in the United Arab Emirates outside oil and gas. They operate aluminium smelters in Abu Dhabi and Dubai, an alumina refinery in Abu Dhabi, and a bauxite mine and associated export facilities in the Republic of Guinea.



22 March 2021

TO WHOM IT MAY CONCERN

Aluminium Bahrain B.S.C ('Alba') Line 6 Expansion Project

Fire Security Middle East FZE
P.O Box 40068 – Ajman – UAE
Attn: Mr. Jesper Rexen

We here by confirm that M/s **Fire Security Middle East FZE** supplied the majority of Alba's cable coating and penetration solutions across the Line 6 Smelter Expansion Project ('Line 6 Project') throughout 2018 and 2019.

Fire Security's turnkey applications were delivered pursuant to various subcontracts with Alba's contractors, across the carbon, cast house and reduction area facilities during the Line 6 Project.

Alba acknowledges the services and technical applications provided by Fire Services, which were in accordance with its required specifications and complied with FM Global certification requirements.

Yours sincerely


Mr Jordan Screen
Manager – Commercial & Contracts



Starting as a 120,000 tonnes per annum smelter in 1971, **Alba**, today, is the world's largest aluminium smelter ex-China with a production of more than 1.561 million metric tonnes per annum (2021). Its diverse product portfolio of Standard and Value-Added Products (VAP)s are exported to more than 240 global customers through its sales offices in Europe (Zurich), Asia (Hong Kong & Singapore) and subsidiary office in the U.S.



LETTERS OF RECOMMENDATION

From: Minihan, Paul [paul.minihan@exxonmobil.com]
Sent: 30. oktober 2011 09:53
To: headquarter
Kop: Gunn, John; Weston, Martin C
Emne: Letter of thanks.

Terje,

I would just like to pass on my thanks and praises to yourself, Ketil and his team, they worked in a professional and safe manner whilst being efficient and productive even though the British weather tried to stop us most of the time, in fact we lost 2.5 days due to torrential rain that was unavoidable. The coating is quick and easy to apply with minimal overspray which I will be keen to show to our Project team and I will also be recommending your system/coating for future Projects.

John, Martin,

Worth passing this on to all in the project team for possible further use, Fire-Security have been OIMS approved. The system is not only cost effective but is also quick to do which has a huge schedule saving, the guys are also rope access trained, although we did not use that option on this occasion, another potential for install cost savings.

Regards,

Paul

Paul Minihan
Field Engineer

ExxonMobil

Room 422 EMCL Admin
+44 (0)23 8089 5443
+44 (0)23 8089 5410
paul.minihan@exxonmobil.com



Over the last 125 years, ExxonMobil has evolved from a regional marketer of kerosene in the U.S. to the largest publicly traded petroleum and petrochemical enterprise in the world. ExxonMobil operates in most of the countries in the world.



To whom it may concern:

This letter is to confirm that on Thursday, February 11, 2010, the passive fire protection coating materials FS-1 and FS-5 from Fire Security have withstood an actual fire on board our platform Borgny Dolphin. This engine room fire was caused by a faulty fuel filter and was very intense, which even resulted in the evacuation of the platform in the ship yard. Luckily there were no injuries and the equipment damage was minimal.

The Fire Security team had just finished to apply the coating two days before the incident and the coatings, even though they were far from fully cured, performed exactly as described by Fire Security's documentation. All cables that had the coatings remained intact, did not need any repair and are in perfect working condition. Without a doubt, we believe that the cables would have suffered extensive damage and would have needed to be replaced, if they did not have the protective coatings from Fire Security. This would have caused great delays and large costs to our operation.

We give our highest recommendations to Fire Security for its products and the professionalism of their team.

Sincerely,

The oil platform Borgny Dolphin is owned by **Dolphin Drilling**, one of the North Sea's longest established drilling contractors, tracing its roots back to the 1960s.



LETTERS OF RECOMMENDATION



LEVEL 5
30 THE ESPLANADE
PERTH, WESTERN AUSTRALIA 6000

TEL: 08 9215 0300
FAX: 08 9215 0333
ABN: 29 113 023 5

12 August 2021

To Whom it May Concern,

RE: Cable LX on Wandoo B using Fire Security FS5

Vermilion Oil & Gas Australia Pty Ltd (VOGA) owns and operates the Wandoo B Production Platform located 75 km off the coast of Karratha, situated in northern Western Australia. It has been operational since 1996. After a thorough review from VOGA’s asset integrity team, a management plan prioritised the life extension of the facility’s cables for up to an additional 10 years.

VOGA contracted the services of Fire Security to restore and extend the life of all UV exposed and ageing instrument, LV, and HV electrical cables.

VOGA identified Fire Security’s FS5 DNV Class Approved coating system as the highest quality available for this restoration while providing a fire resistant barrier to the Wandoo B cables till the end of field life. Fire Security has shown an impressive track record of delivering turnkey solutions in conjunction with its Australian agent.

Many of the cable trays on Wandoo B were in difficult to access areas, which required over-the-side and over-water cable coating. Fire Security’s offshore crew were all IRATA rope access certified and their technicians performed the coating application in a cost effective, efficient and safe way during their three week maintenance campaign in June 2021. All applications were performed on live cables and did not require any isolations or disturb our production operations.

We are very pleased with the result and happy to endorse Fire Security’s cable repair and life extension solutions.

Yours sincerely,

Naveed Yapa

Lead Engineer on Cable LX Project

Vermilion entered Australia in 2005 by acquiring a 60% operated interest in the Wandoo field, located approximately 80 km off the northwest shelf of Australia. In 2007, they acquired the remaining 40% interest. Production is from two operated off-shore platforms, one of which (Wandoo B) is permanently manned.



JAPAN DRILLING CO., LTD.
The Parkrex Asakusabashi 7F,
1-4-5 Yanagibashi, Taito-ku,
Tokyo 111-0052, Japan

日本海洋掘削株式会社
〒111-0052
東京都台東区柳橋1-4-5
ザ・パークレックス浅草橋7F



Tel: 03-6858-0937
Fax: 03-6679-3103

Date: 31st Jan. 2022
Ref. No. LTEC-0308-22-005

To Whom It May Concern

In November 2017 JDC contracted Fire Security to repair and extend the lifetime of electrical cables on our Hakuryu-10 Jack up rig. All cables located high up on the Jacking Legs were UV exposed and showed signs of early aging. Some cables had already cracked outer sheaths.

The work was carried out at Keppel Shipyard in Singapore whilst Hakuryu-10 was being reactivated for its next drilling contract. Fire Security’s cable repair solutions and UV protection was executed by their specialist team on schedule, cost efficiently and in a safely and professional manner.

All UV affected cables were repaired and coated to withstand high UV levels operating in tropical climates, utilizing Fire Security’s proprietary and well documented long-term solutions.

We are very pleased with the result and JDC will consider Fire Security’s cable repair and life extension solutions for other rigs in our fleet when required.

We are pleased to recommend Fire Security and their services.

On Behalf of Japan Drilling Co., Ltd.

Chikashi Takano
Deputy General Manager (Electric) of TEC Dept.
Japan Drilling Co., Ltd.

Japan Drilling Co., Ltd. (JDC) is Japan’s sole offshore drilling contractor, and has been providing quality drilling services for more than 50 years. In addition to offshore drilling services, JDC provides Engineering Services, and R&D in relation to offshore drilling as well as oil and gas exploration and development.



LETTERS OF RECOMMENDATION



Centrica Storage Ltd
Woodland House
Woodland Park
Hessle
East Yorkshire
HU13 0FA
31st August 2021

Good Afternoon Leif

I am very pleased to provide the endorsement below following the successful application of the cable life extension coating at the Rough 47/3B gas platform. Centrica Storage Ltd had previously engaged Fire Security for cable coating application in 2006 and following inspection in 2020 the coating is still in good condition with a few minor areas identified for touch up re-spray.

Fire Security AS was contracted to restore and extend the life of additional ageing LV/MV electrical and instrument cables and to include the existing coated cable touch ups on 47/3 Bravo - CSL's main manned complex located on UK's Rough gas field.

Fire Security's offshore crew are IRATA rope access certified and the technicians performed the coating application in a cost effective, efficient, environmentally compliant and safe manner during August 2021. All Applications were made on live cables after extensive cleaning and removal of moss.

We are very pleased with the result and happy to endorse Fire Security's F55 cable repair & life extension coating solution.

Richard Stokes
Offshore Maintenance Support Engineer – Electrical

Centrica Storage (CSL) have two offshore platforms located on the Rough gas field - 47/3 Bravo and 47/8 Alpha (the figures refer to the North Sea licensing block numbers which identify where the fields are located). 47/3 Bravo is CSL's main manned complex. It is split into three separate bridge-linked platforms and operates 24 wells. It is manned all year round. 47/3 Bravo withdraws gas from the wells as a vapour and it is then piped through a 900 mm (36inch) subsea pipeline to its Easington Terminal where the gas undergoes several separation processes before being sent into the National Transmission System (NTS)



Smedvig Offshore AS
Address: Hønsedalsveien 28, Dnasevik, Mailing Address: P.O. Box 110, N-4001 Stavanger, Norway.
Switchboard 51 50 99 00, Telefax 51 50 97 17/51 50 99 77/51 50 98 70, Telex 73 990.
Registration No. 929350685

To Whom It May Concern

We confirm that Smedvig has used FIRE SECURITY A/S to do fire protection of cables in high fire risk areas onboard our rigs:

- West Alpha
- West Vanguard
- West Epsilon

Due to a fire we had on West Alpha in 1992, we experienced problems due to the fact that some of the vital cables did short circuit. We experienced that flame retardant and fire resistant cables did not cope with the temperatures of an oilfire.

We have now protected all these cables with FIRE SECURITY'S coating FS1 which has granted us all necessary approvals from the authorities with regards to routing of vital cables through high risk areas.

We have also protected our cables in the mud areas of our rigs with FIRE SECURITY'S coating FS5 to make them resistant to chemicals and oilbased mud.

FIRE SECURITY A/S was chosen to perform this cable protection due to their high level of documentation and approvals granted both from authorities and classification societies.

FIRE SECURITY A/S was also chosen due to their long experience world wide.

We were very happy with the way FIRE SECURITY A/S handled their contracts with us and can certainly recommend them for any other project.

Kind regards,
Smedvig Offshore AS

Geir Kenneth Sandhøland
Competent Electrical Manager

Smedvik is now history; from 2006 it is known as Seadrill. Seadrill is a leading offshore deepwater drilling company, aiming to be the customers' most important partner in making oil and gas available in a safe and cost-effective manner.



LETTERS OF RECOMMENDATION



Petrobras is the national oil company of Brazil. It is present in the exploration and production, refining, marketing, transportation, petrochemicals, oil product distribution, natural gas, electricity, chemical, gas and biofuel segments.



As the fifth largest publicly-traded integrated oil and gas company in the world and a major player in the chemicals business, **TOTAL** has operations in more than 130 countries on five continents with approximately 97,000 employees.

-----Opprinnelig melding-----
Fra: Rig_CAJ, Maintenance Supervisor [mailto:maintenance@caj.rig.deepwater.com]
Sendt: 20. februar 2004 13:00
Til: 'Ole Tom Eidjord'
Kopli: 'Rig_CAJ, Ole'; 'Nygrin, Stan'
Emne: RE: PO nr

Ole Tom,

We here on the Cajun Express are very pleased with the cable coating job that your company has performed for us in the sack room. The job was carried out in a very efficient and professional manner. Mr. Jan Quarsten and Mr. Keti Bjorkaas were very professional and a pleasure to work with. We had considered replacing and rerouting the cables which would have been very expensive, and all electrical equipment related to this wiring would have been shut down indefinitely during this job. With the cable coating we were able to isolate only the wires that needed insulation repairs which your company performed before coating any cables. One of Transocean's core values is frugal discipline and I feel we have met this by using your company to coat the wires instead of replacing them. I would recommend your company to any one of our rigs that may be having similar problems as we had. Again I would like to thank your company for a job well done.
 Regards,
 Larry

Larry Robnett / Gerald Scoggins
 Maintenance Supervisor's
 Cajun Express
 Tel: (713) 232-8251 Ext:373
 Fax: (206)-339-5149
 Email: <maintenance@caj.rig.deepwater.com>



Transocean, the world's largest offshore drilling contractor, provides the most versatile fleet of mobile offshore drilling units to help customers find and develop oil and natural gas reserves. Building on more than 50 years of experience with the highest specification rigs, 18,000 employees are focused on safety and premier offshore drilling performance.

13211 Larkspur
 Suite 800
 Houston, Texas
 77054-2088
 Telephone 713 754-4000

 **Louis Dreyfus Natural Gas**

VIA FAX & MAIL

February 17, 1999

Mr. David Kruger
 Fire Security (USA), Inc.
 16520 Park Ten Place
 Suite 580
 Houston, Texas 77084

TO WHOM IT MAY CONCERN

In the Spring of 1998, Fire Security (USA), Inc. performed work on two production facilities in the Gulf of Mexico operated by Louis Dreyfus Natural Gas. The work performed was coating application of electric cable for repair and protection. All phases of work, from the bid process to job completion, were handled in timely and professional manner.

I would recommend Fire Security (USA), Inc.'s services for any future Louis Dreyfus projects.

Sincerely,

LOUIS DREYFUS NATURAL GAS




Patrick E. Johnson
 Operations Manager
 Arklatex/Offshore District

Louis Dreyfus is a privately owned company incorporated and domiciled in France. The Group has expanded its expertise to a wide variety of commodities. In North America, the Group is active in the merchandising, trading and storage of natural gas, natural gas liquids, refined products, coal, plastic resins and other petrochemicals.



LETTERS OF RECOMMENDATION

 **PHILLIPS PETROLEUM COMPANY UNITED KINGDOM LIMITED**
AREA OFFICE: BACTON GAS TERMINAL, BACTON, NORWICH, NORFOLK NR12 0JG
TELEPHONE: MANDSELY (0205) 729765 TELEX: 97203 FAX: (0205) 729686

23rd June 1998

To Whom it May Concern

SUBJECT: CABLE OUTER SHEATH CRACKING ON PHILLIPS OPERATED PLATFORMS

Introduction.

During the winter of 1993 / 1994, problems of cable outer sheath cracking were being reported with various multicore cables on Phillips operated platforms. Meetings were held with various parties to discuss the problems and any possible phased remedial work. The concerns were as follows:-

- possible ingress of water invalidating the certification of Ex enclosures.
- gas ingress. Less of a problem as this could be rectified by fitting barrier glands.
- integrity of cable transfers.

Options

An offshore survey was completed and costs evolved to replace all the faulty cables. Due to the high replacement costs, installation time and recommissioning of all the equipment, alternative proposals for sealing the cables were investigated.

Alternative options were sealing the cables by spraying with a protective coating or by sealing with a self amalgamating tape (this would only cover areas with known visible damage). Both methods would prevent water ingress but the cable spray option would also provide additional increased fire protection and safety.

Solution


A phased approach was adopted using Fire Security Systems to spray all field cables sized 25mm or greater. Lancelot platform would be repaired first with a three man team and reviewing there success before carrying on to Guinevere and Excalibur Platforms. Lancelot was selected because:-

- the cables were in the worst condition
- platform accommodation was available.

The timing was arranged for the summer of 1996 to coincide with the Phillips Summer Maintenance program.

Registered Office: Phillips Quadrant, 35 Guildford Road, Woking, Surrey, GU22 7QT. Reg. No: 792712 England & Wales

As the third-largest integrated energy company in the United States, based on market capitalization, oil and natural gas reserves, the company understands its responsibility to deliver energy in a safe, environmentally and socially responsible manner.

 **PHILLIPS PETROLEUM COMPANY UNITED KINGDOM LIMITED**
AREA OFFICE: BACTON GAS TERMINAL, BACTON, NORWICH, NORFOLK NR12 0JG
TELEPHONE: MANDSELY (0205) 729765 TELEX: 97203 FAX: (0205) 729686


QA/QC

The objective of the application on the platforms was to obtain a seal which would prevent water ingress (and possibly gas) from entering the cables. QA/QC would be critical to successfully achieving this. The application compounds FS-1 and FS-5 arrived premixed. QC procedures ensured that all work was completed correctly to stringent standard. After application and final inspection of the work an annual inspection was incorporated into the platform maintenance procedures to assess any future problems.

Conclusions

All the work was successfully carried out by Fire Security Personnel during the end of 1996 and the spring of 1997. All the cables sprayed with the FS-1 and FS-5 application have been identified on the platform electrical cable schedules and cable tray drawings.

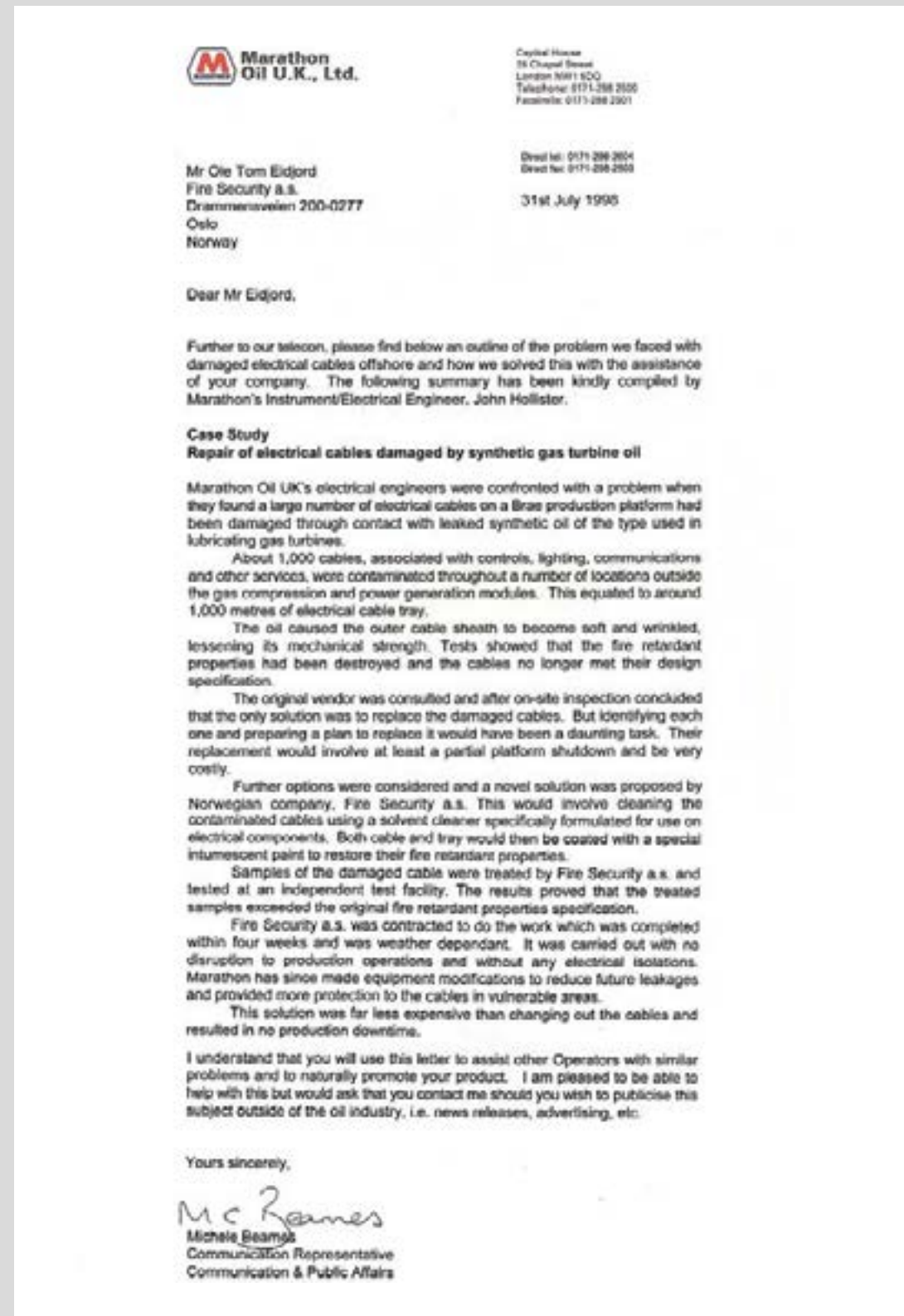
A three year contract has been awarded to Fire Security to monitor the system application with the first inspection being successfully completed during the spring of 1998 with no signs of deterioration or problems with the application were found.


A. J. Green
Offshore Maintenance Co-ordinator

The company upholds this responsibility in its worldwide operations, where it is the fourth-largest refiner. **Philips Petroleum Company UK Limited** is now known as ConocoPhillips UK.



LETTERS OF RECOMMENDATION



Marathon Oil Corporation is an integrated energy company focused on value creation through the responsible development of liquid hydrocarbon and natural gas resources to help meet the world's energy needs. It is the 4th largest U.S.-based integrated oil and gas company and the 5th largest U.S. refiner, headquartered in Houston, Texas.



Fire Security's coating applicators employing rope access techniques to ensure total coverage for our clients turnkey cable maintenance operations.



ADES Egypt	Jack Up Rig Admarine 4
ADNATCO	LNG AL HAMRA
ADNATCO	LNG Al Khaznah
ADNATCO	LNG Gasha
ADNATCO	LNG Ish
ADNATCO	LNG MUBARAZ
ADNATCO	LNG MRAWEH
ADNATCO	LNG UMM AL ASHTAN
ADNATCO	LNG Shahama
ADNOC	Rig Delma
ADNOC Drilling	Jack Up Rig Al Bzoom
ADNOC Gas Processing	SHT - 2 Areas
ADNOC Offshore	West Zakum Field
Agip UK	Tiffany
Airmech – Bahrain	Alba Line 6
Alba	Bahrain Aluminium
Al Ezzel O & M	Al Dur Power Complex
Al Komed Engineering	Alba Line 6
Alliance Refining Company	Marine Terminal 3
Alliance Refining Company	Production Unit North 2
Amata Power	Amata B Grimm Power
American Exploration	Brazos 440B
American Exploration	South Marsh Island 133
Asia Cement	Jecheon Plant
Asia Pulp & Paper	DSS - Karawang I plant
Asia Pulp & Paper	Indah Kiat Perawang Mill
Asia Pulp & Paper	Lontar Papyrus Jambi Plant
Asia Pulp & Paper	Pindo Deli Karawang II Plant
Atwood Oceanics	Atwood Hunter
Azamara Club Cruises	Azamara Journey
Azamara Club Cruises	Azamara Quest
Bahrain Aluminium	Overhead Casthouse Cranes
Bahrain Gas Company	Emergency Lube Oil Pumps on Gas Turbines
Bahrain Steel	Bahrain Substations

Bahrain Steel (GIIC)	Jetty Conveyor Belts
Bazan Refineries	Bazan Haifa
Bergesen D.Y. Offshore ASA	Berge Hus
Bergesen D.Y. Offshore ASA	Bergesen Enterprise
BK Gulf	Burj Khalifa
BK Gulf	Dubai Mall Tunnels
BK Gulf	Dubai Mall
BLNG	Brunei LNG substations
BLNG	Brunei LNG life extension phase 1
Bluewater Energy	Haewene Brim
Boskalis	Hoohee See Windfarm Platform
Britannia Oil Operator	Britannia
BP	Clair
BP	FPSO Schiehallion
BP	Skarv
BP	Valhall
BP/AIOC	DUQ Platform
BW Offshore	BW Catcher
Cameron LNG	Hackberry Plant train 1
Cameron LNG	Hackberry Plant train 2
Centrica	Rough 3B
Chevron Indonesia	West Attaka Platform
Chevron Indonesia	West Seno Platform
Cirebon Power	Cirebon Power Plant
CNOOC China	JX1-1B Platform
CNOOC China	LD32-2 Platform
CNOOC SES	Intan A Platform
CNOOC SES	Pabelokan
CNOOC SES	Widuri
CNOOC SES	Widuri D Platform
CNOOC SES	Zelda
Conoco Phillips	LOGGS Complex
Conoco Phillips	Murdoch Platform
Conoco Phillips	Viking B

Consortio	Tunnel Grota Funda (Rio de Janeiro)
COSL	COSL Pioneer Semi sub drilling rig
COSL	Innovator
COSL	Promoter
Danielli – Bahrain.	Alba Line 6
Danway EME	EGA AT PSI Intergration
Danway EME	Alba Line 6
Danway Electro Mechanical	Substations - Phase 2 Emirates Alu Abu Dhabi
Diamond Offshore	Ocean Alliance
DML	Navigator Mars
DML	Navigator Neptun
DML	Navigator Pluto
DML	Navigator Saturn
DML	Navigator Venus
DNMC	Ling Ao NPP
Dolphin Drilling	Bideford Dolphin
Dolphin Drilling	Borgland Dolphin
Dolphin Drilling	Borgny Dolphin
Dolphin Drilling	Borgsten Dolphin
Dolphin Drilling	Bredford Dolphin
Dolphin Drilling	Byford Dolphin
Dubai Drydocks NDC	Rig Al Bzoom
Dubai Dry Docks	KOTC Vessel AL Salmi
Dubai Engineering Company.	EGA Ja
Dubai Euro Engineering	EGA JA
Dubal	Dubai Aluminium Company
EGA AT	Pot Lines
Egyptian Drilling Company	Rig Zozer
Egyptian Drilling	Rig Senusret - ASRY Bahrain
Elf	Frigg Field
Elkem	Elkem Bremanger
Elkem	Elkem Fiskaa Verk
EMAL	Emirates Aluminium Company
Emirates Aluminium	Plant wide substations - Phase 1 - Abu Dhabi

ENGIE Abu Dhabi	Sweihat Power Complex
ENGIE Bahrain	Al Dur Power Complex
ENGIE Middle East	Um Al Nar Power
ENGIE Oman	Sohar Power
Equinor	Aasta Hansten Platform
Eurotunnel	Eurotunnel
Exmar Shipmanagement	Caribbean FLNG
ExxonMobil	Balder FPSO
ExxonMobil	Cepu, Banyu Urip Project
ExxonMobil	Fawley Refinery
ExxonMobil	Fawley Refinery, Butyl Plant
ExxonMobil	FPSO Jotun A
ExxonMobil	Jerneh A
ExxonMobil	Tabu A
Freeport LNG	Train 1
Freeport LNG	Train 2
Freeport LNG	Train 3
Frontier Drilling	Frontier Discoverer
Fugro	Fugro Saltire
Gasco	Abu Dhabi Gas Company
Global Marine	Glomar Adriatic XI
Greenfleet Ship Management	M/V QEZBAN
Grupo R Mexico	Buccaneer (SMC)
Grupo R Mexico	Garzprom II (SMC)
Grupo R Mexico	Oceanic 1 (SMC)
Grupo R. Mexico	Semi 1 (MMM)
Grupo R Mexico	Semi 2 (MMM)
Hanil Cement	Danyang Plant
Hansol Home Deco	Hansol Home Deco Korea
Holcim Cement	Cilacap Plant
Hubco Narowal Pakistan	Substations
Hyundai Cement	Hyundai Cement Korea
HYUNDAI / GASCO	Habshan 5 Refinery - Abu Dhabi
Høegh Fleet	Høegh Gandria



Høegh Fleet	Høegh Matthew
IHC Krimpen	Well Enhancer
IHC Krimpen	Toisa Pegasus
Indocement	Citeureup plant
INPEX	Inpex Japan
Japan Vietnam Petroleum Co.	Rang Dong WHP N1
Jazeera Power	EGA Jebel Ali
KEPCO	Danjing Power Plant
KS Drilling	KS Java Star Jackup rig
KS Rigmar 301	Rigmar 301
Kumho Petrochemical	Yeosu Plant
Kuwait Tanker Company	MV Gas Tanker Al Mutlaa
Lafarge Cement	Korea
LG Chem	Daesan Plant
Lotte Chemical	Ulsan Plant Korea
Maersk Drilling	Maersk Completer
Maersk Drilling	Maersk Convincer
Maersk Drilling	Maersk Gallant
Maersk Drilling	Maersk Giant
Maersk Drilling	Maersk Guardian
Maersk Drilling	Maersk Jutlander
Maersk Oil & Gas	FPSO Gryphon
Maersk Oil & Gas	FPSO Nkossa II
Marafiq – Saudi Arabia.	Jubail Power
Marathon Oil	Brae B
McDermott	Drilling Barge DB32
MCSC – Bahrain	Alba Line 6
Methanex	Methanex Plant Trinidad
Methanex	Methanex Control Room Substations Trinidad
MDPC	FPSO Kikeh
Mobil UK	Camelot B
Mobil UK	Excalibur
Mobil UK	Guinevere
Mobil UK	Lancelot

MOL	LNG Ammariya
MOL	LNG Fraiha
MOL	LNG Fuwarit
MOL	LNG Gigira Laitebo
MOL	LNG Murwab
MOL	LNG Papua
MOL	LNG Southern Cross
MOL	LNG Spirit of Hela
MOL	LNG Kumul
Mulia Group	Bri II
Mulia Group	Menara Mulia
NagaWorld	NagaWorld Cambodia
National Drilling Company	Al Yasat
National Drilling Company	Diyina
National Drilling Company	Junana
National Drilling Company	Yemillah
Navion	Navion 84
Nexen Petroleum	Buzzard
Nexen Petroleum	Scott
Noble Drilling	Noble Al White
North Atlantic Drilling	West Navigator
Norsk Hydro	Troll B
Norsk Hydro	Visund
Ocean Rig	Eirik Raude
Ocean Rig	Leiv Eriksson
Oceania Cruises	Oceania Insignia
Oceania Cruises	Oceania Marina
Oceania Cruises	Oceania Nautica
Oceania Cruises	Oceania Regatta
Oceania Cruises	Oceania Riviera
Oceania Cruises	Oceania Sirena
Oderbrecht Brasil	Tunel Grota Funda – Transoeste
Odfjell Drilling	Deepsea Bergen
Odfjell Drilling	Deepsea Trym

Oman LNG	Sur Gas Plant
OMV	Navarra Pipeline
ONGC	Rig Sagar Uday
ONGC	Rig Sagar Gaurav
ONGC	Rig Sagar Joyti
ONGC	Rig Sagar Ratna
ONGC	Rig Sagar Shakti
ONGC	Rig Sagar Khiran
Osaka Steel	Osaka Steel Japan
Otto Candies	Kelly Ann Candies
PDO	PDO Qarnalam MPS station
Pemex	Akal C-7
Pemex	Akal C-8
Pemex	Cayo Arcas
Pemex	Chemul
Pemex	Enlace Litoral
Perenco	Guinevere
Perenco	Lancelot
Perenco	Leman 27B
Pertamina	Pertamina Tambun
Pertamina	Plaju Refinery
Pertamina	RU-II Dumai Refinery
Pertamina UP. V	Refinery Plant Ill
Petrobras	Carapeba II (PCP-2)
Petrobras	FAFEN, Fertilizer Plant
Petrobras	P-10
Petrobras	P-16
Petrobras	P-17
Petrobras	P-18
Petrobras	P-19
Petrobras	P-20
Petrobras	P-23
Petrobras	P-25
Petrobras	P-31

Petrobras	P-33
Petrobras	P-35
Petrobras	P-37
Petrobras	P-53
Petrobras	RECAP, Refinery
Petrobras	REFAP, Refinery
Petrolia Drilling	Petrolia
Petron Refinery	Petron Port Dickson
Petronas	Baram B
Petronas	Baronia A
Petronas	BCOT, Bintulu crude oil terminal
Petronas	Erb West A
Petronas	Samarang A
Petronas	Temana A
Petronas	Temana B
Petronas	Tukau A
Petronas	West Lutong A
Petronas BASF	Gebeng Plant
Phillips Petroleum	Ekofisk Field
PLN	Asahan 1
PLN	Pangkalan Susu
PLN	PLTU Lontar
PLN	PLTGU Indralaya
Pride International	Pride Venezuela
PT PAL	Surabaya Yard
Qatar Fertilizer Company	Qafco Ureah 2 Substation
Ray International	Sohar Power Plant
R&B Falcon	Deepwater Navigator
Reading & Bates	RB Rig 41
Regent Seven Seas Cruises	Seven Seas Explorer
Regent Seven Seas Cruises	Seven Seas Mariner
Regent Seven Seas Cruises	Seven Seas Navigator
Regent Seven Seas Cruises	Seven Seas Splendor
Regent Seven Seas Cruises	Seven Seas Voyager

Remontowa S.A.	IBEEV 1 & 2
Republic of Korea Navy	DDH 973 ROKS Yang Manchoon
Riau Andalan Pulp & Paper	Kerinci Plant
Safe Service AB	Safe Britannia
Saipem	Scarabeo 5
Saipem	Scarabeo 6
Saipem	Scarabeo 7
Sampyo Cement	Sampyo Cement Korea
Samsung Corporation	Emergency Pumps on Turbines – Emirates
Samsung Heavy Industry	FPSO Nexus
Samsung Heavy Industries	FPSO Skarv
Samsung Heavy Industries	Martin Linge Platform
SASOL	SASOL Secunda
SASREF Shell Saudi Arabia Refinining	Jubail
Saudi Aramco	Uthmaniya Gas Plant
Saudi Aramco	Shedgum Gas Plant
SBM	FPSO Brasil
SBM	FPSO Capixaba
SBM	FPSO Espardarte
SBM	FPSO Espirito Santo
SBM	FPSO Kuito
SBM	FPSO Ilhabela
SBM	FPSO Marlim Sul
SBM	FPSO Saquarema
Seadrill	Sea Dragon
Seadrill	West Epsilon
Sedco Forex	Sedco Explorer
Sedco Forex	Trident XIV
SEPAM	Alba Line 6
Shagang Steel	Jiangsu, China
Shell	Brent C Platform
Shell	Cormorante Alpha
Shell	Draugen Field
Shell	FPSO Fluminense

Shell	Shell Pearl GTL Refinery- Qatar
Shell Brunei	Ampa 9
Shell Brunei	Champion 7
Shell Brunei	Champion 11
Shell Brunei	TG 28
Shell Brunei	TG 31
Shell Sabah	Gumunsut Platform
Shell Sarawak	D-35
Shell Sarawak	E-11
Shell Sarawak	Jintan Platform
Shell Sarawak	M1
Siemens	EWA 400 kv Substations
SK E&C	SK E&C Korea
Smedvig	West Alpha
Smedvig	West Delta
Smedvig	West Epsilon
Smedvig	West Vanguard
Smedvig/Navion	West Navion
Sohar Aluminium	Oman Aluminium Company
S-Oil	S-Oil Korea
Statoil	Gullfaks A
Statoil	Gullfaks B
Statoil	Gullfaks B Leg HV Cable
Statoil	Gullfaks C
Statoil	Norne
Statoil	Statfjord Field
Statoil	Åsgaard A
Stena Drilling	High Seas Driller
Stena Drilling	Stena Clyde
Stena Drilling	Stena Dee
Stena Drilling	Stena Forth
Stolt Nielsen Seaways	Seaway Osprey
Stolt Parcel Tankers	Stolt Topaz
Subsea 7	Pelican

Sunchang Corporation	Sunwoon MDF Plant
Sungshin Cement	Sungshin Cement Korea
Superfast Ferries	Superfast 355
Superfast Ferries	Superfast 356
SWCC	Desalination plant
Talisman	Claymore Platform
Talisman	FPSO Bleo Holm
Technip	Deep Blue
Technip	Oryx GTL Plant- Qatar
Technip	Wellservicer
Technip-Coflexip	CSO Wellservicer
TechnipFMC	Global 1201
Teekay	Europa
Teekay	FPSO Cidade de Rio das Ostras
Teekay	FPSO Petrojarl Foinaven
Teekay	Marita
Teekay	Meridian Spirit
Teekay	Nordic Anglia
Teekay	Nordic Appolo
Teekay	Svenita
Teekay	Norvegia
TNB Janamanjung	Tenaga Nasional Berhad
Total	Total Antwerp
Total	AKPO FPSO
Total	Alwyn North
Total	Balal
Total	Brunei OPP
Total E&P Indonesie	Bekapai Platform
Total E&P Indonesie	CPU Area
Total E&P Indonesie	NPU Area
TotalFinaElf E&P Indonesie	CPA-Handil
TotalFinaElf E&P Indonesie	Senipah Terminal
Total Myanmar	Yetagun Metering Station
Transatlantic	Transpaper

Transocean	Cajun Express
Transocean	Deepwater Champion
Transocean	Deepwater Discovery
Transocean	Deepwater Expedition
Transocean	Deepwater Millennium
Transocean	Deepwater Navigator
Transocean	Discoverer Americas
Transocean	Discoverer Frontier
Transocean	Discoverer Luanda
Transocean	Discoverer Spirit
Transocean	Jack Ryan
Transocean	Polar Pioneer
Transocean	Ron Tappmeyer
Transocean	Sedco 702
Transocean	Sedco 704
Transocean	Sedco 706
Transocean	Sedco 707
Transocean	Sedco 710
Transocean	Transocean Arctic
Transocean	Transocean Explorer
Transocean	Transocean Leader
Transocean	Treasure Saga
Transocean	Transocean Seeker
Transocean	Transocean Winner
Transocean Sedco Forex	Drill Star
Vanguard SPC	Vanguard Four
Vår Energi	Ringhorne Platform
Well Ops	Seawell
Woodside	Pluto LNG Plant
Workfox	Seafox3
YTL Jawa Power	Paiton Power Plant
ZADCO	Upper Zakum Super Complex



WORLD WIDE OFFICES AND REPRESENTATIVES

Fire Security worldwide offices:

Fire Security headquarter, Norway – Kristiansand:

Phone +47 95 47 80 00, Fax +47 38 02 15 31,

Email: headquarter@fire-security.com

Fire Security Norway – Oslo:

Mobile +47 91 54 48 81, Email: tw@fire-security.com

Fire Security USA – Houston:

Mobile +1-281-352-7182, +1-281-352-0800,

Email: henning@nortech.com

Fire Security Brazil – Rio de Janeiro:

Phone: +55-21-97498.4945, Phone: +55-21-98121.1380

Email: brasil@fire-security.com

Fire Security Asia-Pacific, Indonesia – Jakarta:

Phone +62 21 2293 0520, Mobile +62 812 8990 0625,

Email: paal@fire-security.com

Fire Security Middle East, United Arab Emirates – Ajman:

Phone +97 16 74 78 842, Fax +97 16 74 78 843,

Email: jrx@fire-security.com

Fire Security representatives:

Mexico: OistBrokers

Ciudad del Carmen, Phone +52 1938 3843 062,

Email: jmontoya@oistbrokers.com

South Africa: IBAS GROUP (Pty) Ltd

Mobile +27 72 443 2900, Email: fire@ibasgroup.com Website: www.ibasgroup.com

Kenya: Amotech (E.A.) Limited

Phone: +254709223344, Mobile +254720450565.

Email: amos@amotech.co.ke Website www.amotech.co.ke

South Korea: Kangnam Drive Co. Ltd.

Phone : +82-2-497-4505, +82-10-4572-4505,

Email : fire@kangnamdrive.com Website: www.kangnamdrive.co.kr

Vietnam: Gre-Coating Engineering JSC (VGCE)

Vung Tau City, Phone: (+84) 254 3 626 628,

Fax: (84) 254 3 626 629, Mobile: (+84) 919430335.

Email: stewart@gce.com.vn Website: www.gce.com.vn

Brunei: PTT Engineering Sdn. Bhd.

Phone: +673-323-0185, Email: tn.lim@ptt.com.bn

Malaysia: Nargis Petroleum Sdn Bhd

Phone : +60 17 667 9269, Email: nphq@npsbm.com

Website: santubongeng.com

China: Tianjin Runbo Engineering & Technology Co. Ltd

Phone: +86-22-65151579, +86-13820858510, Email: chentao@rbet.com.cn

Website: www.rbet.com.cn



Certified Sustainable Cable Maintenance

Warranty Certificate

Repair & Life Extension of Instrument
Cable/Cable Trays in PE1/PE2 Plants

Abu Dhabi Polymers Co Ltd Borouge - Ruwais

Fire Security is a Norwegian company specializing in cable repair, fire protection and lifetime extension of electrical cables

Our systems are available for application worldwide with specially trained personnel.

We confirm Fire Security Middle East have conducted intrusive repairs and cable coating with FS5 on cables in PE1 and PE2 Plants

Warranty Period – Five years from Date of Issue

The application has been done in accordance with tendered documentation and your RFT Number: 6400000684.

Work completed March 2022

Certificate valid until March 2027

Jim Sollesvik
Technical Department



Leif Harald Tveitnes
Technical Director

Fire Security AS | fire-security.com

Skibåsen 20 B, 4636 Kristiansand, Norway | Phone: +47 95 47 80 00 | Fax: +47 38 02 15 31

Ent.no. 980 339 807 | headquarter@fire-security.com





Certified Sustainable Cable Maintenance

FS offer certified sustainable solutions to extend cable life and avoid electrical fire, using non-toxic materials.

Save Lives / Save Costs / Save The Environment

Our products have been approved by leading classification societies and authorities including U.S. COAST GUARD, IMO MED D & IMO MED B, Lloyd's Register, Achilles, Bureau Veritas, DNV, RINA, NMA, ABS, FM and UL



Global headquarters

Skibåsen 20B, 4636 Kristiansand, NORWAY

Tel: +47 95 47 80 00 Fax: +47 38 02 15 31

Email: headquarter@fire-security.com

www.fire-security.com

