

## Southeast Asia

### Singapore, Singapore

**Coverage:** Singapore and Tanjung Pelepas Port

**Services:** Repair, Retrofit, Revamp, and Provision of Riding Crew

Wecom Engineering Pte Ltd

PIC: Daniel Wong

Tel: +65 6558 7639

Mobile: +65 9819 9656

Email: wecom\_engrg@wecom.com.sg

### Pasir Gudang, Malaysia

**Coverage:** West and East Malaysia in Port Areas and Offshore Malaysia

**Services:** Repair, Retrofit and Site Survey

ASAS Gruppen

PIC: Badaruddin b. Abu Kassim

Tel: +60 3 9108 1302/1404/1405

Mobile: +60 12 616 9407

Email: badar@asasgrupp.com.my

### Jakarta, Indonesia

**Coverage:** All Indonesian Ports and Offshore Indonesia

**Services:** Repair, Retrofit and Site Survey

PT Flowtec

PIC: Fenly Fendrianto

Tel: +62 21 4585 2585

Mobile: +62 81 6186 3003

Email: fenly@ptflowtech.com

### Thailand

**Coverage:** All Thai Ports and Offshore Thailand

**Services:** Repair, Retrofit and Site Survey

CAE Offshore Service Limited

PIC: Suphat Namkaew

Tel: +66 038 605590

Mobile: +66 086 1099787

Email: suphatn@caeasia.com

### Vietnam

**Coverage:** Vietnam and Offshore Vietnam

**Services:** Repair, Retrofit and Revamp

South West Industries Co. Ltd

PIC: Le Viet Nga

Tel: +84 64 3 532 620

Mobile: +84 903 710535

Email: nga.leviet@southwest.com.vn

## China

### Shanghai / Jiangsu / Zhejiang

**Coverage:** Shanghai / Jiangsu / Zhejiang Areas

**Ports:** Shanghai, Zhoushan, Ningbo, Nantong, Zhangjiagang, Jianguyin, Taizhou, Wenzhou

**Services:** Repair, Retrofit, Revamp, Inspection and Reporting

Haicang Engineering (China) Company Limited

PIC: Fred Ye

Tel: +86 21 5888 6119

Mobile: +86 138 0175 8266

Email: fred\_ye@haicangee.com

### Dalian

**Coverage:** North East China

**Port:** Dalian

**Services:** Repair, Retrofit, Revamp, Inspection and Reporting

Hai Cang Marine Equipment Co., Ltd

PIC: Frank Gao

Tel: +86 411 8450 7342

Mobile: +86 139 4110 8052

Email: haicangdalian@126.com

### Shandong / Tianjin / Hebei

**Coverage:** Shandong / Tianjin / Hebei provinces

**Ports:** Yantai, Qingdao, Qinhuangdao, Tianjin, Weihai

**Services:** Repair, Retrofit, Revamp, Inspection and Reporting

Yangtai Functional Offshore Engineering

PIC: Leon Li

Tel: +86 535 6383 889

Mobile: +86 139 1168 8249

Email: xin.xue@sunbellchina.com

### Guangdong / Guangxi / Fujian

**Coverage:** Southern China Area

**Ports:** Guangzhou, Shenzhen, Xiamen, Fuzhou, Beihai

**Services:** Repair, Retrofit, Revamp, Inspection and Reporting

Guangzhou Aohan Marine Co., Ltd.

PIC: Le Hui

Tel.: +86 20 8384 5150

Mobile: +86 139 2888 9801

Email: aohan\_gz@126.com

### Shanghai / Shenzhen / Dalian / Tianjin / Qingdao / Zhuhai

**Coverage:** Shanghai, Shenzhen, Dalian, Tianjin, Qingdao and Zhuhai

**Services:** Repair, Retrofit, Revamp, Inspection and Reporting Services

Federal International (Shanghai) Co. Ltd

PIC: Monica

Tel: +86 21 5235 8336

Email: monica@fedsh.com.cn

## Europe

### Plymouth, United Kingdom

**Coverage:** UK North Sea Offshore

**Services:** Repair, Retrofit and Revamp

Pipex px® Ltd

PIC: Brian D. Dunn

Tel: +44 1752 581200

Mobile: +44 7971 547716

Email: Brian.Dunn@nov.com

### The Netherlands

**Coverage:** Benelux, France, Scandinavia and South Africa

**Services:** Repair, Retrofit, Revamp, Provision of Riding Crew and Site Survey

Damen Shiprepair Harbour & Voyage (listing below)

PIC: Ton van Tour

Tel: +31 6 51863072

Email: ton.van.tour@damen.com

#### Netherlands:

Damen Shiprepair Rotterdam

Damen Shiprepair Vlissingen

Damen Shiprepair Amsterdam

Damen Shiprepair Van Brink Rotterdam

Damen Shiprepair Harlingen

Damen Shiprepair Den Helder

Damen Shiprepair Oranjewerf

Damen Shiprepair Maaskant Stllendam

#### France:

Damen Shiprepair Brest

Damen Shiprepair Dunkerque

#### Sweden:

Damen Oskarshamnsvarvet

#### South Africa:

Damen Shipyards Cape Town

### Sweden

**Coverage:** Scandinavia & Baltic Area

**Services:** Drydock Capacity, Repair, Retrofit, Revamp, Provision of Riding Crew, and Inspection and Reporting Services

Oresund Drydocks AB

PIC: Anders Larsson

Tel: +46 705 431 567

Email: ala@oddab.eu

### Cadiz, Spain

**Coverage:** Spain, Portugal and all Mediterranean Sea Ports

**Services:** Repair, Retrofit, Revamp, Inspection and Reporting, and Provision of Riding Crew

Pipespain S.L.

PIC: Carmelo Doello

Tel: +34 607 198 220

Mobile: +34 607 198 220

Email: carmelodoello@pipespain.es

## Africa

### West Africa

**Coverage:** West Africa, Offshore

**Services:** Repair, Retrofit, Revamp

Bell Oil & Gas Ltd.

PIC: Ebi Dike

Tel: +234 9020217036

Mobile: +234 8163638888

Email: edike@belloil.com

### Southern Africa / Equatorial Guinea

**Coverage:** Southern Africa and Equatorial Guinea, Offshore

**Services:** Repair, Retrofit, Revamp

ALGOA Cabinda Fabrication Services LDA, Angola

PIC: Lucas Asselberghs/Arun Kumar

Tel: +244 222692600 (ext. 6687)

Email: aca.bondstrand@algoa.li

## Australia

### Australia

**Coverage:** Australia

**Services:** Repair, Retrofit, Revamp, Inspection and Reporting, and Provision of Riding Crew

Wenco Pty Ltd

PIC: Aravind Venkatesan

Tel: +61 (08) 9267 5502

Mobile: +61 (0)421 883 100

Email: aravind@wenco.com.au

## India

### Mumbai

**Coverage:** India

**Services:** Repair, Retrofit, Revamp

Pipetech Services Pvt. Ltd

PIC: Gagan Sahni

Tel: +91 22 32525095

Mobile: +91 98 20012297

Email: pipetech.services@gmail.com

## Middle East

### Doha

**Coverage:** Qatar

**Services:** Repair, Retrofit, Revamp, Provision of Riding Crew, Inspection and Reporting services

TRAGS - Trading and Agency Services Ltd

PIC: A.K. Nayak

Tel: +974 4443 2212, 4443 2213

Mobile: +974 55 530 254

Email: nayak@tragsqatar.com / tragsdoh@qatar.net

### Abu Dhabi

**Coverage:** United Arab Emirates (UAE)

**Services:** Repair, Retrofit, Revamp, Provision of Riding Crew, Inspection and Reporting services

Altabyss Technical Services LLC

PIC: Arnold Maas

Tel: +971 2 555 45 13 / 666 01 37

Fax: +971 2 555 39 93

Mobile: +971 50 800 1417

Email: mail@altabyss.ae

## South America

### Brazil

**Coverage:** Brazil

**Services:** Repair, Retrofit, Revamp, Inspection and Reporting, and provision of Riding Crew

Matsu NR Serviço e Comércio Ltda-Me

PIC: Francisco Sanches Junior

Mobile: +55 19 9 9744-3302

Email: matsuooffshore@natsuoffshore.com.br

## USA / Latin America

### Gulf of Mexico, East Coast, and Great Lakes

**Coverage:** Primary territory is GoM (TX to FL) and

Trinidad, secondary coverage to include the Gulf of Mexico

**Services:** Repair, Retrofit, Revamp, Inspection and Reporting, and provision of Riding Crew

DXP

PIC: Oreste Rodriguez

Tel: +1 504 733 7100 (ext. 6027)

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Email: frp@dxpe.com

## United States of America

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## Brazil

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Rio de Janeiro/RJ, Brasil, CEP 20.031-170  
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Mobile: +55 31 984921295  
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## Europe, Russia, CIS, Africa

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The Netherlands  
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## Scandinavia and Baltics

Vidar Westergren  
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Askar, Norway  
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## West / South Africa

Paulinus Nsek  
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Port Harcourt, Nigeria  
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Mobile: +234 803 338 2623  
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## Africa (other)

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## Middle East

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## China

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100 Century Avenue, Pudong, Shanghai, China  
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Mobile: +86 138 1611 2726  
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## SE Asia

Cheong Chi Keong  
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#02-06 Creative Resource  
Singapore 609921  
Office Telephone: +65 6865 6825  
Mobile: +65 9830 9605  
Email address: chikeong.cheong@nov.com

## Mexico

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Houston, Texas 77041  
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Email address: Hani.Taan@nov.com



NOV Fiber Glass Systems' Global Service Network Program is designed to provide owners and operators of Marine and Offshore ships and facilities with fast-response, comprehensive, professional repair and replacement services for Bondstrand™ piping systems.

Whether you are the operator of FPSOs, FSOs, FSRUs, FLNGs, Floating Platform (drilling and production units), Fixed Platform or the owner of commercial ships, this program will provide you the services you need.

### WHAT

A unique Global Service Network Program.

### WHEN

Within 48 hours of submitting your request.

### WHERE

Around the world and across the globe... no matter where you are, we are there, too. Whether at sea or at port, we meet you when and where you need us most.

### WHY

To provide an additional level of excellent service to our clients when needed most.

### HOW

By partnering with the best in the industry and provide a fast response within 48hrs.

Go to [www.nov.com/fgspipe/GSN](http://www.nov.com/fgspipe/GSN) for more information.





Once you've invested in Bondstrand™ fiberglass piping, you want to ensure an extended life for your system. It's been properly engineered, largely prefabricated in controlled conditions, delivered and installed with expert supervision, inspected, tested and now is properly operating. Now you may want further peace of mind that your system will continue to meet your needs for years to come. This service may be undertaken as part of an overall onboard preventive maintenance program.

Prior to inspection, Fiber Glass Systems may conduct interviews with relevant end-users to understand the operating conditions of the piping systems. Fiber Glass Systems will conduct visual inspections, and our ISO certified QA/QC inspectors will follow procedures according to the ISO training. The entire fiberglass piping system, including pipes, fittings, joints, supports, geometric distortion and potential local defects will be professionally inspected.

On completion of inspection, a comprehensive condition assessment report of your Bondstrand fiberglass piping system will be provided. The report will be reviewed and discussed with you, and any necessary mitigating actions will be recommended to ensure your Bondstrand fiberglass piping system is operating optimally and plant operations are not disrupted unnecessarily.



Go to [www.nov.com/fgspipe/GSN](http://www.nov.com/fgspipe/GSN) for more information.



When you've made the decision to completely change out your system to Bondstrand™, we know you want the work done quickly and with minimum down time. We can undertake these projects in conjunction with platform or facilities upgrades while at a shipyard or in dry dock.

Our process when working on a revamp typically includes a discussion with the owner/project manager to determine the scope of work, as well as an inspection/survey of the existing system to ensure all needs are met. Once a project plan is created we will work with the owner/project manager to determine the best Fiber Glass Systems materials for the revamp and set a schedule for the project along with a work description. Once the work is completed, testing is done to ensure proper function of your new system to get your ship back in working order.

Go to [www.nov.com/fgspipe/GSN](http://www.nov.com/fgspipe/GSN) for more information.



Corrosion of metallic piping is a well-known problem on board seagoing vessels and offshore units. Corrosion typically occurs when metal piping is part of the seawater system, as well as in systems used in water treatment or for cleaning and degreasing.

Whether you're changing out certain sections of an existing system or adding functionality such as anti-piracy piping, ballast water treatment piping, scrubber piping, etc. we can manage the work quickly whether in port or at sea.

Traditionally, corroded piping is replaced from time to time with new pipes made of the same material. This means the defect is repaired but the problem is not solved. Future replacement of the same pipe is only a matter of time.

Leaking seawater lines are a nuisance aboard ships...especially in the engine room. Seawater spraying or dripping from leaking pipes may also result in collateral damage to surrounding equipment and instruments.

For many shipowners and operators, the exchange of piping is regarded as part of the daily routine. The time it takes for corrosion problems to begin can be predicted based on experience and often is accepted as a fact of life, with systems being repaired and replaced frequently.

The question to ask is, Do you have to accept repeated pipe replacement due to corrosion problems in your seawater piping? The answer is: No. Corrosion problems can be eliminated with Bondstrand™.

Go to [www.nov.com/fgspipe/GSN](http://www.nov.com/fgspipe/GSN) for more information.



## SOLUTIONS

NOV Fiber Glass Systems offers the solution to your corrosion problems aboard ships and offshore units. Bondstrand GRE pipe systems have a number of significant advantages when compared to steel or other metallic piping.

Bondstrand GRE pipe systems are extremely resistant to corrosion from salt water and to a wide range of chemicals. Also, there is very little scaling or fouling that will occur, avoiding pressure loss. Bondstrand GRE pipe systems are easy to install, lightweight and require no "hot work." Bondstrand GRE pipe also can be designed to operate at temperatures up to 121C/250F.

Since 1957, Bondstrand GRE piping systems have been installed successfully and proven their performance on thousands of ships and offshore units all over the world.

The International Maritime Organization (IMO) recognizes the increasing interest to use materials other than steel for pipes on ships. In 1993, IMO developed guidelines (Res. A.753 [18]) to provide acceptance criteria for plastic materials in piping systems.

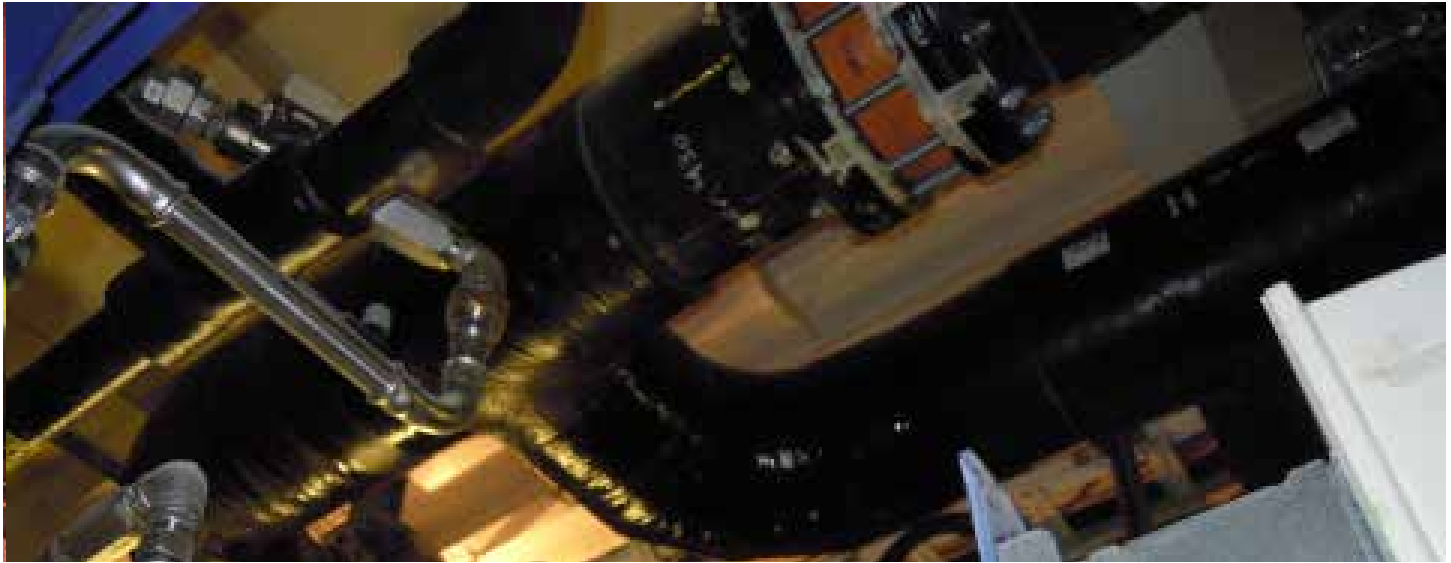
Major certifying bodies such as Lloyd's Register, Bureau Veritas, DNV-GL, American Bureau of Shipping, RINA, RMRS and others have adopted and implemented the IMO Guidelines in their respective Rules and Regulations for the Classification of Ships. Bondstrand GRE pipe systems that are used in the marine/offshore industry are Type Approved by all major certifying bodies.

Bondstrand GRE piping systems include easy-to-install standard filament wound fittings. When standard fittings cannot be used, laminated fittings and spools can be tailor-made to fit almost any system. Replacement can take place at sea during the voyage, at anchorage, during regular loading and discharge operations or during dry dock periods.

Go to [www.nov.com/fgspipe/GSN](http://www.nov.com/fgspipe/GSN) for more information.

## Wide Range of Applications:

- Air and equipment cooling water
- Ballast/segregated ballast
- Brine
- Chlorinated systems
- Crude oil washing
- Deck hot air drying (cargo tanks)
- Drainage/sanitary service/sewage
- Eductor systems
- Electrical conduit
- Exhaust piping
- Fire mains and sprinkler systems
- Fresh and salt water systems
- Inert gas effluent
- Main engine cooling
- Petroleum cargo lines (cargo tanks)
- Discharge lines
- Scrubbers
- Steam condensate
- Tank cleaning (salt water system)



Bondstrand™ fiberglass piping is manufactured using epoxy resin and glass fiber reinforcements. With proper design and installation of the system, this piping is designed to outlast the lifetime of the vessel and generally does not need maintenance. However, there are situations when unforeseen events occur or when you want to modify or upgrade your system. Your need for immediate repair can be handled by any of our qualified service partners.

Go to [www.nov.com/fgspipe/GSN](http://www.nov.com/fgspipe/GSN) for more information.