



EXACO ENGINEERING INT'L PTE LTD

Integrated Marine Offshore Survey Inspection Services

www.exaco-consulting.com トムテック-エクサコムリン-サービス



EXACO-CONSULTING INT'L

Your Business Advantage
Integrated Marine Offshore
Inspection Survey
Services





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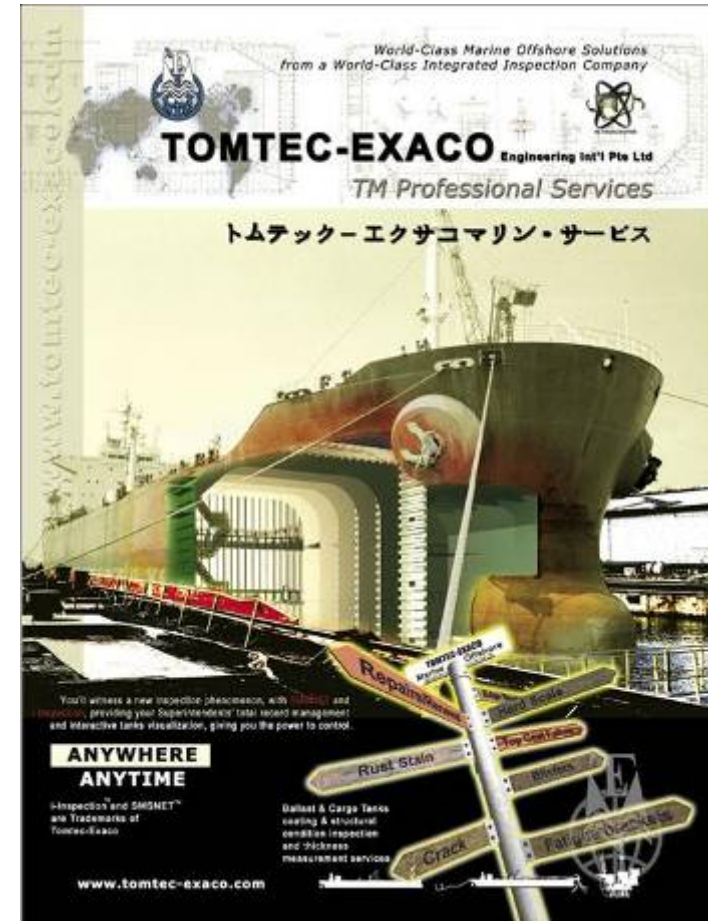
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Exaco Engineering Int'l Pte Ltd was incorporated since 1992 in Singapore. Our key objectives are to provide Marine and Offshore Surveys/Consultancy as well as Non-Destructive Testing (NDT) services.

The frontline personnel in Exaco consist of Marine Engineers, NDT Technicians, Welding Inspectors as well as Registered Professional and Chartered Engineers. These key personnel are supported by an in-house group of IT support staff as well as CAD draftsmen.

Apart from Singapore, we also have subsidiary offices located in China and Japan. Our key claim to fame is to be the only NDT Company that utilizes IT to support our staff and customers, allowing improved communications as well as cost savings.





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With today's stringent laws on shipping and safety, Tomtec-Exaco is no stranger to the different rules and regulations of individual classification societies. We are audited by multiple classification societies, enabling us to take on virtually any job and will be able to manage it without any problems. The major societies we have been audited by include:



- American Bureau of Shipping
- Lloyds Register of Shipping
- Det Norske Veritas
- Bureau Veritas
- Germanischer Lloyd
- Registro Italiano Navale
- Nippon Kaiji Kyokai





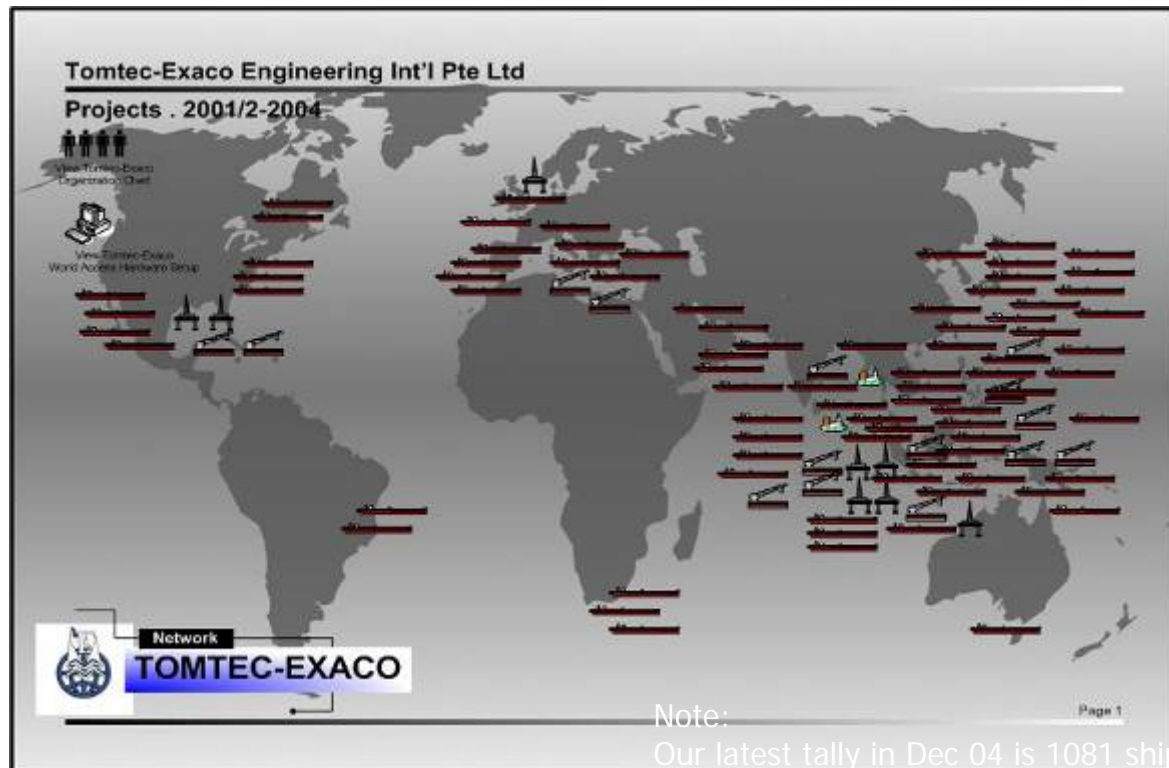
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Exaco's experience of more than a dozen years in the marine industry have given us much exposure to vessels and marine structures all around the world. From Greece to Germany, Australia to India. Since our incorporation, we have serviced more than 1000 ships from all areas around the world.





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- Modec Venture
- Atwood Hunter
- Atwood Falcon
- Marine 500
- Armada Perkasa
- Hyundai HD60
- Hyundai 289
- Nippon Steel Kuroshio I
- Nippon Steel Kuroshio II
- Arco Ardjuna
- Erawan
- Berge Odel
- Krym
- Petrobras 37,38,40
- Maxus Widuri





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- Ta'kuntah
- Stena Clyde
- Perintis
- Crystal Sea





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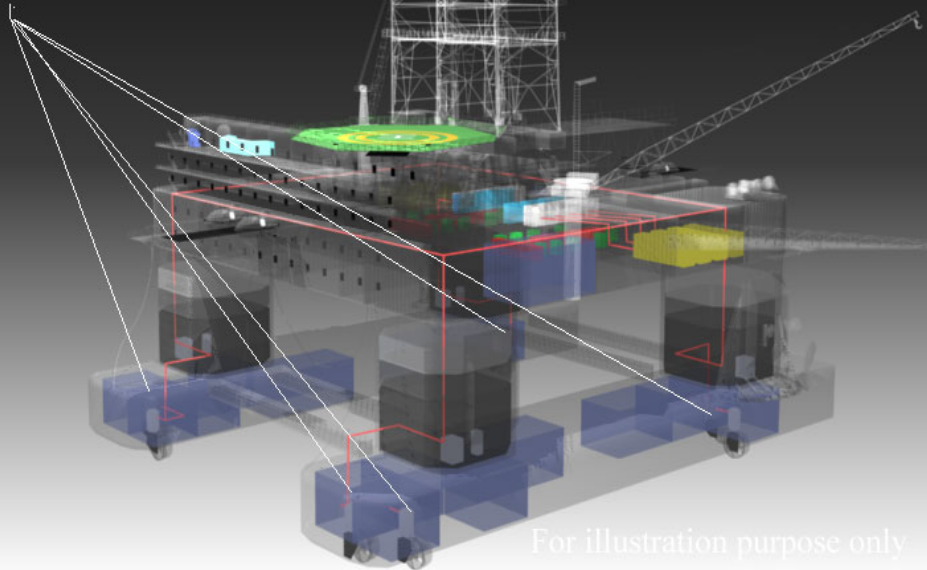
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Thrusters' hydraulic oil system independent and housed in separate compartment.



For illustration purpose only





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Nothing is constant but change, and we at Exaco are always looking for new technologies that can help us improve our services, in terms of speed, accuracy and cost.

As such, our independent studies have shown that there are many aspects in the industry that have lagged behind in today's global society. One such issue is the adoption of new, IT toolsets to improve our day-to-day workflow.

Hence, with funding from the Maritime Port Authority of Singapore (MPA), we were able to launch our an IT program designed specifically for the marine industry, for the purpose of **improving communications** by making information readily available over the Internet, and a suit of online tools that allows **speedy management of ship repairs and maintenance**.





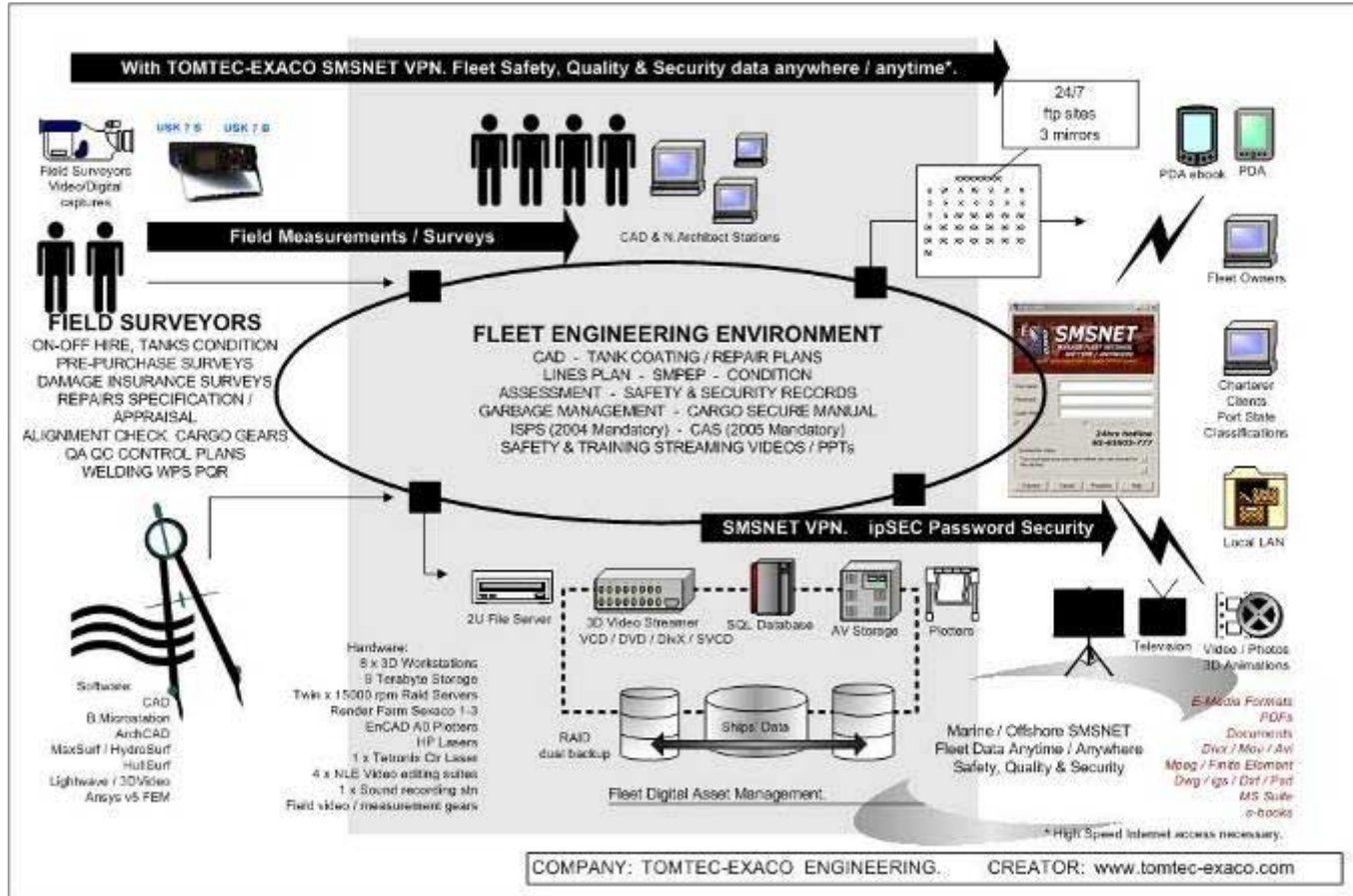
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GOLD AWARD
★★★★★
GOLDEN AWARD



Integrating the Internet





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SMSNET allows you to store information online to be accessed anywhere an Internet connection with a web browser is available!

This has been in use for nearly a year for many ship owners. We have been told that SMSNET speeds up access to critical information.

In addition, it is also able to control and restrict access to specific documents.

Please find more details in the leaflets!

Marine Offshore Ops File Distribution System
 SECURITY, SAFETY, QUALITY, NOT RECORDS >>> client module

TOMTEC-EXACO, Trademark (Registered). Intellectual Protection Code: C024499

Welcome to SMSNET, Tomtec-Exaco File Distribution System, Client Section.

Download PDF:
 [[SMSNET Announcement](#)] - 420KB
 [[SMSNET What It Is](#)] - 320KB
 [[SMSNET How To Use](#)] - 352KB

To log in, please enter your login name and password then click on the "Login Now" button.

Learn how to [protect your password](#).

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 Password:
 Domain:

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Latest News:

Riser frame QA QC (2005-03-18 05:13:38)
 Where design, non-destructive tests and heavy lifts are involved in a riser retrieval operation, Tomtec-Exaco is there [->Riser Frame Test](#)

Load test onboard crane (2005-03-18 05:12:11)
 Completed load and functional test of deck crawler crane at Batam, Indonesia [->Crawler crane tests](#)

Modex house EDM (2005-01-19 07:31:36)
 Tomtec Exaco EDM scored with Modex [->Dimensional Control and Electronic Distance Measurement](#)

NDT on New Hook (2005-01-16 18:33:53)
 Tomtec Exaco technicians with new crane hook [->Magnetic Particle Detection by Tomtec Exaco](#) after a tension load test

Stena Clyde Semi-Sub drill rig (2004-11-24 19:16:58)
[->Tomtec-Exaco inspection onboard](#) Survey inspection by Tomtec-Exaco prior field ops.

Global Santa Fe Rig184 (2004-11-24 19:13:25)
 From Tomtec-Exaco 3D animated concept of the drill rig in Jurong Shipyards to final delivery and deployment [->Deployment of Santa Fe Semi-Sub drill rig](#)

Tomtec Exaco solved the riddle. (2004-10-09 22:48:59)
 When radiator fans keep breaking, Tomtec-Exaco failure analysis came to the rescue and conducted FEM for root cause findings [->Radiator fans failure analysis](#)

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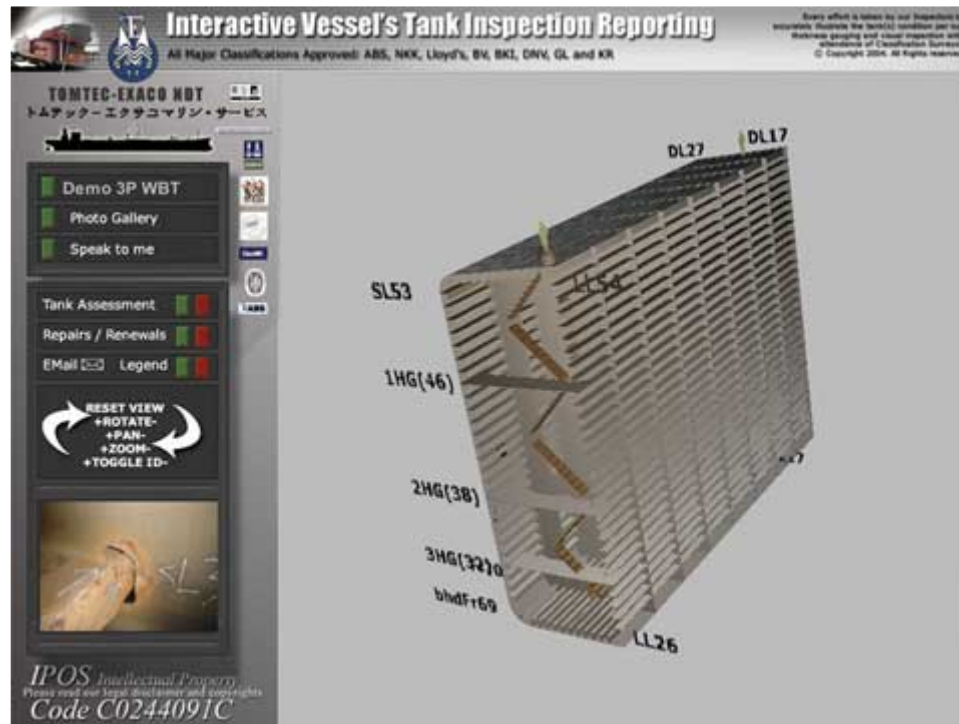




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Another first in the industry, i-Inspection is a tool that will allow you to visualize the condition of your tank in real-time 3D over the Internet.

Instead of going over a report, you will be able to quickly identify problem areas in the tank. The application also allows you to view photographs of a specific tank location by clicking on icons on the 3D model.

Please view the leaflets for more details!





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- Saves time by viewing the tank condition in 3D.
- Quickly pin-point important areas for repair
- Allows you to show to both Internal personnel and External contractors, Classification Societies tank condition.
- Compare condition of Starboard/Port tanks visually.





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Tank Condition Assessment Online

Last, but not least is the Tank Condition Assessment Online application.

This application stores the entire Tank's condition into one handy application online. You will be able to quickly sort the information online, for example, by the type of defect, steel type, location and more!

This tool also integrates with the Steel Repair Calculator, so you can quickly plan your repairs and budget.

Please find out the full details in the leaflet included!

Marine Offshore Structural repairs calculator

VESSEL: F.S.O Arco Ardjuna

Total Records 180

Total steelweight: 212,077.00kg

Tank # (P/C/S)	Inspection Date	Location	Description/S	Defect Type	Steel Type	Size (L)	Size (B)	Size (T f/w)	Renew Quantity	Steel Grade	Steel Weight	
1C COT	2004-08-22	Bottom Plate	Class Surveyor	Pitting	Bottom Plate	4700.00	2000.00	22.00	1	A	1623.00	Edit Delete
1C COT	2004-08-22	Bottom Plate	Class Surveyor	Pitting	Bottom Plate	3900.00	2852.00	22.00	1	A	1920.00	Edit Delete
1C COT	2004-08-22	Bottom Plate	Class Surveyor	Pitting	Bottom Plate	3200.00	1300.00	22.00	1	A	718.00	Edit Delete
1C COT	2004-08-22	Bottom Plate	Class Surveyor	Pitting	Bottom Plate	900.00	1600.00	22.00	1	A	248.00	Edit Delete
1C COT	2004-08-22	Bottom plate	Class Surveyor	Pitting	Bottom Plate	2400.00	932.00	22.00	1	A	386.00	Edit Delete
1P COT	2004-08-22	Bottom plate	Class Surveyor checked	Pitting	Bottom Plate	1900.00	1130.00	22.00	1	A	370.00	Edit Delete
1P COT	2004-08-22	Bottom plate	Class Surveyor checked	Pitting	Bottom Plate	4600.00	8235.00	22.00	1	A	6542.00	Edit Delete
1P COT	2004-08-22	Bottom Plate	Class Survey	Pitting	Bottom Plate	4140.00	3600.00	22.00	1	A	2573.00	Edit Delete
1P COT	2004-08-22	Bottom Plate	Class Surveyor	Pitting	Bottom Plate	1500.00	1747.00	22.00	1	A	452.00	Edit Delete
1P COT	2004-08-22	Bottom Plate	Class Surveyor	Pitting	Bottom Plate	5300.00	1550.00	22.00	1	A	1418.00	Edit Delete
1P COT	2004-08-22	Bottom Plate	Class Surveyor	Pitting	Bottom Plate	3600.00	1530.00	22.00	1	A	951.00	Edit Delete
1P COT	2004-08-22	Bottom Plate	Class Surveyor	Pitting	Bottom Plate	3200.00	1530.00	22.00	1	A	677.00	Edit Delete





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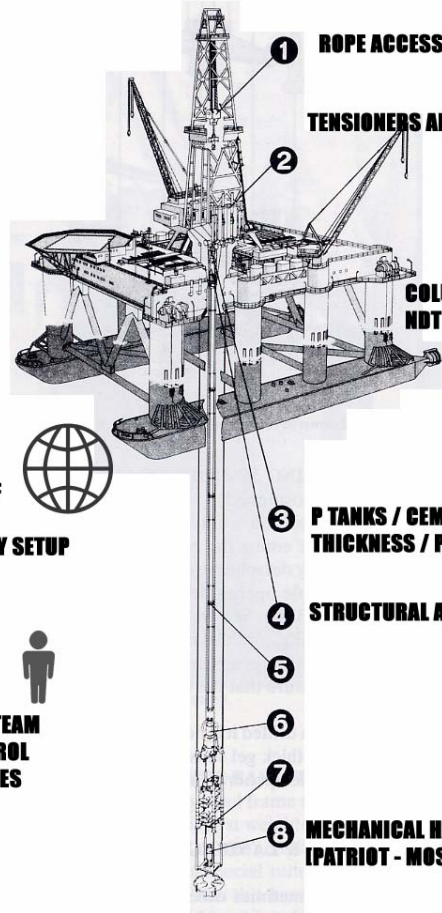
JURONG SHIPYARD



OFFICE - LOGISTICS
NETWORK - PLOTTING
CAD ADMINISTRATION
ADMIN SUPPORT STAFF
MEETING ROOMS
PROFESSIONAL DISPLAY SETUP
INTERNET QA ACCESS



TOMTEC-EXACO QA QC TEAM
DOCUMENTATION CONTROL
OWNER REPRESENTATIVES
COMMISSIONING TEAM



1 ROPE ACCESS / NDT

2 TENSIONERS ALIGNMENT / TEST PLAN

COLUMNS / BKTS
NDT / RADIOGRAPHY

3 P TANKS / CEMENT TANKS
THICKNESS / PRESSURE TESTS

4 STRUCTURAL ANALYSIS

5

6

7

8 MECHANICAL HANDLING SYSTEM
(PATRIOT - MOS)





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Your Business Advantage

In closing, we would like to summarize that Exaco Engineering Int'l Pte Ltd is a one stop shop for all your marine survey and inspection needs. Our staff are well trained and have been in the industry for more than a decade.

We are also a forward looking company, and have heavily invested in Information Technology to speed up information flow for our customer, saving them time, and thus, money.

We look forward to be of service to you very soon!

<http://www.exaco-consulting.com>

