



## **GUYANA SERVICE PORTFOLIO**

TRION OFFSHORE SPECIALIZING IN NAVAL, INDUSTRIAL AND OFFSHORE SOLUTIONS

## 1

## Engineering

Design of modifications to vessels in accordance with Classification Societies



Management before classification societies



Procedures for flagging before the Secretary of the Navy



Ship plans update



Carrying out stability, freeboard, and tonnage studies



Translation of technical documents



Design of mobile drilling fluid plants



Design of process lines



Offshore rack design according to DNV and ABS



Design of silos and atmospheric tanks according to ASME and API



CATI engineering development (loading, mooring, transportation and installation of offshore platforms)



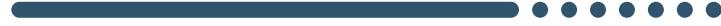
RED Code



Low, medium and high voltage electrical installations



Photovoltaic systems and renewable energy



Electric power diagnostics



Power quality studies, short circuit and protection coordination



Finite element analysis



## 2

## Consulting, advice and inspection

Under shipbuilding



Procurement and inspections of boats



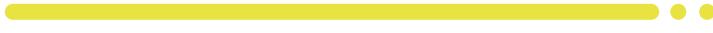
In civil construction



Procurement of equipment and materials



Project Management



Appraisals



Claims



On-hire / Off-hire survey (bunker and ship condition survey)



Suitability survey



Draft survey

In fixed and temporary naval repairs

Advice or training on updating nautical charts, interpretation of the stability booklet, handling of class and statutory certificates

Measurement of thicknesses or calibrations in the industrial and marine sectors

Inspection of noise levels and leak test to hatch covers certified by Lloyd's Register

Rope Access Services





## Non-Destructive Testing

Thickness Measurement or Gauging's (Underwater & Surface)

Management Particles Testing (MPI) (Underwater & Surface)

A.C.F.M. (Underwater & Surface)

Ultra-Sonic Testing (UT)

Phased Testing (PT)

Rope Access



**Inspection & maintenance for drilling unit, semi-sumersoble platforms & all type of ships. Civil marines construction work onshore and offshore**



Underwater Inspection in Lieu of Dry Docking (UWILD)

Underwater Welding Examination or inspection with Non-Destructive Testing: Magnetic Particles Inspection, Ultrasonic Testing, Thickness measurement or ACFM Inspections

Underwater examination with photo & video recording with CCTV

Uw Hull cleaning & propeller polishing

Underwater burning and welding

Search & salvage recovery

Permanent of temporary Repair with COFFERDAM

Underwater Epoxy & coating

Potable water inspection and cleaning

# SERVICES

5

## Thickness measurement or gauging for vessels, drilling units and semisubmersible platforms

Annual Surveys with Thickness measurements



Intermediate Survey I,II,III,IV, etc. with Thickness measurements (Gauging)



Special periodical Survey I,II,III,IV, etc. with Thickness measurements (Gauging)



Continuous Survey with Thickness measurements (Gauging)



Hull Surveys including Thickness measurements (Gauging)



Dry-dock Surveys with Thickness measurements (Gauging)



Close-up Surveys with Thickness measurements (Gauging)



Rope Access



6

## Vessel Services

Welding application on steel and aluminum



Manufacture and maintenance of interiors (floors, doors, ceilings, furniture)



Ship modification



Manufacture and maintenance of structures



Renovation of hull structural steel and aluminum



Supply of materials and consumables (plate, pipe and welding for aluminum/steel)



**Alexander Garcia**  
Regional Manager  
TRION OFFSHORE MANAGEMENT

**Mobile** 

**+592 761 0686**

**Mail** 

**miguelalexander@trionoffshore.com**



**TRION**  
**OFFSHORE**  
MANAGEMENT