



CA MARINE SERVICES CORPORATE BROCHURE



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DELIVERING
EXCELLENCE
IN
ENGINEERING.



01

OVERVIEW

CA Marine Services was established to provide a solution for the increasing demand in the industry for expert engineering.

Our knowledge and experience ranges across a wide range of services including design, installation and maintenance services of all mechanical and electrical equipment.

The adaptability and capabilities within our team allows us to offer a variety of services to our clients. We understand that no two projects are the same, by doing this we ensure that our clients are given a tailored service that offers the best value for our clients.

OUR MISSION

- DOING BUSINESS THE CA-MARINE WAY

Something that differentiates CA-Marine from the competition is our dedication to our work. Our flexibility and adaptable approach to engineering allow us to serve our clients with a world class service.

Key elements of the “CA-Marine Way”:

- A proactive “can-do’ attitude across the business and all of our people;
- Customer focused business model, with project care from start to finish;
- Our practical, reliable approach to engineering has been built on years of experience, successfully completing hundreds of jobs across the globe;
- Absolute integrity in our service, our people and our products;
- Pride in exceeding our client’s expectations.

A large industrial shipyard at night, illuminated by various lights. Several large cranes are visible, some with yellow and blue sections. In the foreground, a large white ship is docked, with the name 'ALBATROS' visible on its side. The shipyard's name 'BLOHM+VOSS DOCK ELBE 17' is printed in large white letters on a dark background at the bottom of the image. A semi-transparent blue box is overlaid on the center of the image, containing a quote and a name.

“Our philosophy is to sell quality not quantity, we know our clients want quality on handover of their projects or milestone projects and we use our experience and expertise to achieve their goals on time and under budget.”

Mauro Avendano
Director, CA Marine Services

BLOHM+VOSS DOCK ELBE 17

02

OUR SERVICES

We provide an extremely broad range of engineering services encompassing virtually every aspect of your needs. Our industry experience means that we have the ability to undertake all types of project from new build, refit, conversion and repair anywhere in the world.

ELECTRICAL ENGINEERING
MECHANICAL ENGINEERING
CONSULTANCY SERVICES
SUPPLY & PARTS PROCUREMENT
MAN OVERBOARD SYSTEMS
SHORE SUPPLY
PROJECT MANAGEMENT
SHIP INTERIOR FIT OUTS
EMERGENCY RESPONSE TEAMS

ELECTRICAL SERVICES

We are an independent Marine Electrical Engineering company delivering bespoke, flexible engineering solutions. Recognised for our technical expertise we cover the maintenance and installation of electrical and electronic systems, working closely with our clients to deliver solutions suited to their needs.

Our electrical services include but not limited to:

- Electrical Installations
- Fiber Optic Terminations
- Equipment Installation
- Network Layouts Planning & Design
- Supply & Installation of Electrical Panels & Lockers
- Cable Penetration & Installation
- Navigation Equipment Supply, Install & Upgrades
- Satellite Communication
- Network Installation
- Reefer Socket Installations
- CCTV Installations
- Thermographic Surveys
- Body Temperature Monitoring Systems

CARNIVAL DREAM
PANAMA P.P.

MECHANICAL SERVICES

Our mechanical engineers are both competent and experienced in all aspects of marine engineering including working within original equipment manufacturers (OEM's) guidelines. With a Ruston, Wartsila, MAK, Caterpillar, Mitsubishi and Doosan trained engineering team, our engineers are supported by dedicated experienced technical management, modern infrastructure and a long standing relationship and proven track record of working with all the major OEMs. We have the knowledge in-house.

Our mechanical services include but not limited to:

- New System Integrations
- Piping & Supporting
- Pipe Installations
- Tanks Fabrication
- Piping (Carbon Steel, Stainless steel, Aluminium, GF, GRVE)
- Tank Repairs
- Structural Retrofits
- Mast Retrofits
- Provide Riding Crew & Qualified Manpower

CONSULTANCY SERVICES

Our engineering team consists former: Naval Architects, Subsea Engineers, Structural Engineers, Civil Engineers, Mechanical Engineers, Piping Engineers, Electrical and Instrumentation Engineers and Installation Engineers. This enables us to offer expert services across the marine industry. We are also a supplier of technically complex equipment giving us a developed and well-rounded, integrated team that interfaces efficiently across the various disciplines to create a synergy within any project and provide an all-encompassing service throughout our network. Projects that our network of suppliers are able to perform include:

- UPS Installation & Maintenance
- Switchgear Service, Test & Install
- Switchboard Modifications
- Control System & Alarm Upgrades
- Transformer Maintenance & Upgrade
- Generator Repair & Maintenance

PROJECT MANAGEMENT

We are experienced project managers with the ability to oversee and facilitate the successful execution of complex projects. Our infrastructure allows us to provide technical support, 24/7 anywhere the world. We have worked on dry docks in Europe, Asia, North, Central and South America and performed works on active vessels all over the world.

SUPPLY & PROCUREMENT

CA Marine has a global presence and capability for procurement of equipment, with offices in the United States and Central America enabling around the clock expediting and inspection. We pride ourselves on our strong relationships with our supply chain to deliver equipment on schedule and within project budgets. We work closely with suppliers to ensure that all interfaces are managed efficiently.



CAPABLE

Trained and certified to the highest levels, our service team is backed up by years of marine electrical and electronic system installation, commissioning, servicing and repair experience.



EXPERIENCED

Our service engineers have a wide range of ship system experience and a true marine systems understanding. Many have direct vessel operational experience and have been closely involved with the design, installation and commissioning of all types of marine systems.



RESPONSIVE

We understand that quick response and good technical support is critical to keeping your vessels working and reducing operational downtime. When you ask for support you need it, fast.

MAN OVERBOARD & ANTI-PIRACY SYSTEMS

Man Overboard events continue to be a common occurrence in the cruise industry and other related markets. The problem is compounded by the fact that when these events occur the timely availability of important data is missing. Accurate confirmation of the event including time of occurrence, location on the ship and location in the sea is critical, but often unavailable for hours following an occurrence, if at all.

Fortunately, proactive detection systems such as the Man Overboard Detection System (MOB) from our partners PureTech Systems, can accurately detect man overboard events and provide immediate, actionable data to response personnel.

Our expert installation teams are ready to supply, install and fully test the MOB System which is suitable for the following vessel types:

- Container Ships
- Bulk Carriers
- Tanker Ships
- Ferries & Boats
- Cruise Ships
- Naval Ships
- Offshore Rigs
- Supply Vessels

The system boasts an incredibly robust set of features such as: Advanced Video Analytics, Automatic Alarm, Immediate Playback & Recording, No Floor Height Limit and a 9m Side Detection Range. It has been field tested for a low false alarm rating and has a situationally aware user interface.

SHORE SUPPLY

More and more ports are confronted with an increased public awareness of environmental issues and increased efficiency. Stricter guidelines are forcing ports to implement more environmentally-friendly technologies. With our partners, R&B Switchgear Services we are able to offer energy supply systems for shore power supply as a solution to reduce air pollution, noise and vibration of vessels while at berth.

CA Marine Services & R&B Switchgear Services have been developing and manufacturing customised cable management systems for the maritime industry for many years. Around the world, our team provides consultancy services and assistance with planning, installation, inspection and a spare parts service.

Consider us for your Shore Supply System:

- In House Shore Supply Experts
- Decades of Marine Electrical Experience
- Efficient and Flexible Teams of Engineers
- Complete Turnkey Offering
- Bespoke System Design, Installation & Commissioning
- 24/7 Global Coverage

EMERGENCY RESPONSE TEAMS

We are experts in organizing emergency response teams for almost any mechanical or electrical eventuality onboard any vessel. Our global positioning allows us to call upon trained professionals anywhere in the world in order to respond to calls quickly.

Offering short term solutions to the following issues:

CABLE INSTALLATION & CONNECTION

PIPE LEAKS

TANK REPAIRS

STRUCTURAL DEFECT REPAIRS

FIBRE OPTIC REPAIRS & SUPPORT

DATA NETWORK REPAIRS

SPECIALIST PART PROCUREMENT



24 HOUR HELPLINE:
(+01) 954-636-1821



EMAIL:
support@ca-marineservices.com

SHIP INTERIORS & FIT OUTS

CA Marine has manufactured and supplied walls, ceilings, doors and the whole interior decoration for crew/passenger cabins and general ship, depot and port areas. We are able to perform any kind of interior outfitting on board of vessels with the support of our own C.A.D. technical department, our robotized facilities for walls and ceilings construction and our dedicated firm for furniture productions. Our turn-key interior projects include prefabrication of fixed furniture, complete bathroom units, as well as systems like HVAC, Hi-Fog, plumbing, electrical etc. We design, pack and ship all of our materials from our workshops in Ft. Lauderdale, FL & the UK to wherever they are required around the world. Along with full fabrication services all of our materials and services come with full warranty and installation packages.



MANUFACTURE

The quality of our products, the competence and experience of our staff, the professionalism of our partners and the state-of-the-art of our productions allow us to provide a product compliant with the highest standards.



DESIGN

Combining our knowledge with a constantly updated technology, our experts are able to prevent any type of problem or accident. Our feasibility studies in 2D and 3D are able to optimize the outcome and prevent any costly mistakes.



INSTALL

You can rely on a qualified and careful service also after the delivery of the project. All products and turn-key installations are carried out with an extreme attention to details as required by site requirements.

03

COVID SOLUTIONS

As the world navigates the unprecedented challenge presented by the COVID-19 pandemic, we at CA Marine Services strive to support the maritime community around the world by addressing the unique new set of challenges that COVID-19 brings.

We are inspired every day by the ingenuity, dedication and by the commitment of our own employees in striving to establish a 'new normal' for the industry.

We are honoured to serve alongside the many who are working hard to deliver swift, efficient, and quality solutions in this time of need.

AIR QUALITY

In reaction to the global pandemic caused by COVID-19, CA Marine Services have partnered with Wärtsilä APPS to provide much needed security to the Shipping & Maritime industry against the spread of the virus. One key way in slowing the spread of the virus is the sanitization of environments, the air quality of an environment can reduce the risk of infection and minimise the chance of your area becoming unsafe. Hospital grade high-efficiency particulate (HEPA) filters along with a UV-C air zapping process work together within ventilation systems. The hospital grade UV-C process has been previously proven to kill coronaviruses, along with other microbes like mold, bacteria and fungi.

FEVER DETECTION SYSTEMS

We carry a wide array of Thermal Camera Detection Systems that are designed to unoptrusively detect abnormal temperatures of individuals. This feature can support your COIVD 19 screening protocol and protect your vessel from an outbreak. Our systems are easily deployed, highly accurate and can measure multiple people at once. We have handheld, portable and fixed options available so they can be de They all use a simple interface so your staff can use them with minimal training required.

PROTECTION SCREENS

Our low cost flat panel protective sneeze screen are supplied as a flat pack kit. Our supply chain can support bulk orders for individual ships, office or even entire fleets. The screens are made from either 5mm or 6mm acrylic so are rigid enough to be free standing or can be attached to any surface. We can also offer worldwide shipping, bespoke cuts & specifications and can provide installation teams if required.

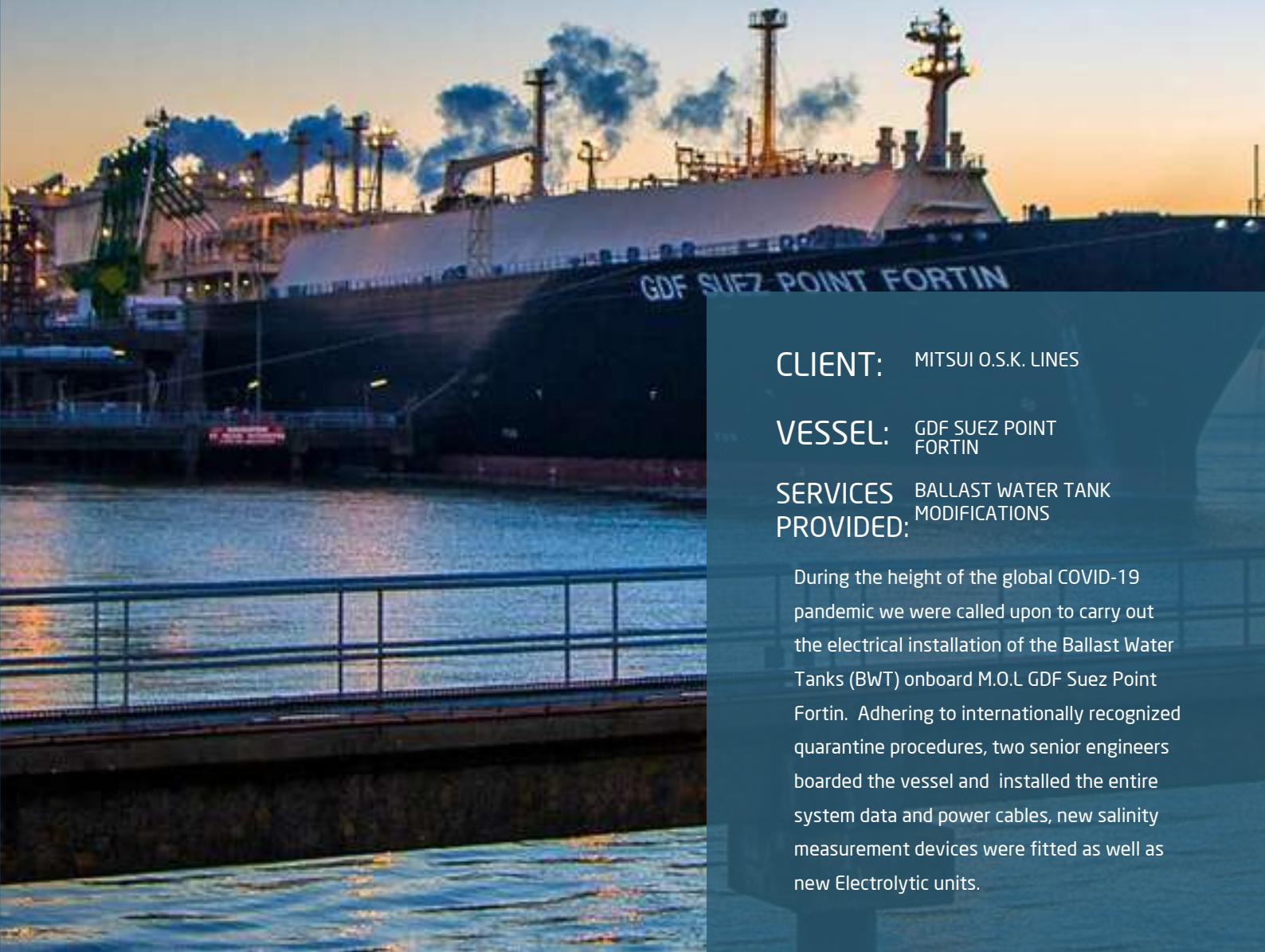
04

OUR PROJECTS

Our unrivalled expertise and flexibility in the marine electrical and mechanical work and our global customer base demonstrates our ability to embrace all sizes and scopes of marine engineering activities.

Our enviable reputation has been built on impeccable industrial relations, an exemplary safety record and first class standards of workmanship.

If you require a marine engineering specialist team, we can deal with anything from breakdowns to major refits on all types of vessel, anywhere in the world. We are the company for you a company that values its clients and are proud to work for them.



CLIENT: MITSUI O.S.K. LINES

VESSEL: GDF SUEZ POINT FORTIN

SERVICES PROVIDED: BALLAST WATER TANK MODIFICATIONS

During the height of the global COVID-19 pandemic we were called upon to carry out the electrical installation of the Ballast Water Tanks (BWT) onboard M.O.L GDF Suez Point Fortin. Adhering to internationally recognized quarantine procedures, two senior engineers boarded the vessel and installed the entire system data and power cables, new salinity measurement devices were fitted as well as new Electrolytic units.



U.S. Shipping

CLIENT: US SHIPPING CORPORATION

VESSEL: M/V HOUSTON

SERVICES PROVIDED: LIFEBOAT & RESCUE BOAT
ELECTRICAL POWER INSTALLATION

Our close location to Grand Bahamas Shipyard allowed us to mobilize quickly for this project. We successfully completed the installation of the Davit winch along with the cabling and associated equipment all of which are essential to the operation of the Houston, Also included was the installation of the lighting for of the lifeboat access platform. The project was delivered within a tight timescale and under budget, delighting the customer.






CLIENT: CARNIVAL CRUISE LINES

VESSEL: CARNIVAL PARADISE

SERVICES PROVIDED: MAST RETROFIT, SHIP NAVIGATION UPGRADE, RADAR UPGRADE & NACOS PLATINUM UPGRADE

As an experienced and accredited supplier and installer of all navigation and radar systems, we successfully completed the upgrade of the radar, ship navigation equipment and NACOS platinum on-board the CCL Paradise during its dry dock in Freeport, Bahamas. The project took 26 days to complete and involved 3 engineers. With our help we were able to utilize the existing infrastructure by installing new antenna brackets on the existing mast.



CLIENT: CARNIVAL CRUISE LINES

VESSELS: FANTASY, SENSATION, ECSTASY,
INSPIRATION, FASCINATION

SERVICES PROVIDED: BALLAST TANK
RADAR SENSOR INSTALLATION

This was a challenging project across the entire Fantasy Class Fleet. This involved the creation of marine approved sensor access points to each tank with additional automation control cabling interfacing with the new radar tank sensors. Firstly, we drilled and welded a new pipe into each tank which then allowed a sensor to be installed into the tanks. This sensor was then installed and cables from the automation cabinets and hoses to the new radar tank sensor position.





CLIENT: PRINCESS CRUISE LINES

VESSELS: CROWN PRINCESS

SERVICES PROVIDED: INTEGRATED VESSEL CONTROL SYSTEM UPGRADE

During November 2019, we successfully installed and upgraded the integrated vessel control system onboard the Crown Princess during its dry-dock in Freeport, Bahamas. As preferred contractors for Wärtsilä the NACOS Platinum is a cost-effective suite of electronic systems covering almost any area within ship automation, propulsion, navigation, power management, dynamic positioning and general alarm and control.



PRINCESS CRUISES

CLIENT: ROYAL CARIBBEAN INTERNATIONAL

VESSELS: OASIS OF THE SEAS &
ALLURE OF THE SEAS

SERVICES PROVIDED: SCRUBBER SYSTEM
INSTALLATION

As one of our specialist areas and in line with new legislation for Cruise Companies to reduce carbon emissions year on year we were well placed to install two brand new Scrubber systems onboard both the Oasis of the Seas & the Allure of the Seas. We were able to install the new systems including all of the new piping (from DN50 to DN800) a new strainer and manifold. The works took place whilst the ship was in service.



ALLURE OF THE SEAS



Royal Caribbean

INTERNATIONAL

CLIENT: TRANSPORT FOR LONDON

VESSELS: WOOLWICH FERRY & DEPOT

SERVICES PROVIDED: INTERIOR FIT OUT & WASHROOM
UPGRADE / REFURBISHMENT

Along with our sub-contracting partners in the UK, BRAC we have recently completed work at the famous and iconic Woolwich Ferry. Originally the control centre had been operating out of portacabins, so it was time for a much-needed update. We completed a full interior fit out of the depot and upgraded the washroom facilities onboard. This ensured smoother running of the ferries.



**Transport
for London**



04 KEY PEOPLE

MAURO AVENDANO Director

With over 25 years experience working from the tools up, Mauro is a Director and Founder of CA Marine Services. His leadership and communication skills have been honed over many years working as a within the Marine industry having worked at Schneider Electric, ASTEC and the Honduran Government.

LINCOLN AVENDANO Electrical Project Manager

As our expert electrical project manager, Lincoln has worked in the industry for over 6 years. Lincoln is highly motivated and proactive with great teamwork, leadership and analytical skills. He has a track record of building excellent working relationships with clients and teams, with a focus on the day to day running and detail of the project while maintaining and developing overall project strategy.

SEBASTIAN CALERO Project Manager

With over 20 Years' experience Sebastian serves as a Project Manager of CA Marine Services, his technical expertise, organisational skills and customer focus is fundamental to our service. With a wealth of technical knowledge gained working through every level of business up to Senior management.

ASH MELLING Project Manager

Over 11 years' experience gained over a variety of engineering industries such as; Industrial Power Generation, Aerospace and Green energy, Ash is our UK/European point of contact. Ash ensures that every detail of the project is carried out to the highest standards.

05 PRODUCT LINE

Our extensive supply chain ensures that we have exclusive access to a wide array of products for our clients. We also specialise in sourcing parts that are difficult to find, whilst also being able to call upon our experience to source alternative parts as a replacement. We have experience and access to cables, penetration materials, cable systems, circuit breakers, transformers, generators, steel, plates and piping. With our expert advice we aim to make sure that our clients are supplied with the materials they need, and at a fraction of the cost they would find it from original manufacturers.

 **Nexans**

 **AQUA
SIGNAL**

Weidmüller 

Schneider
Electric

 **KLINGSPOR**

 **PRYSMIAN**

 **Draka**

 **FireSeal**

ABB

 **Roxtec**

 **SapiSelco**

 **MARINE FIRESTOP**

LEONI

 **ELEMATIC**

06 WHERE WE ARE



NORTH AMERICA OFFICE:

1091 NW 31st Avenue
Unit C-4
Pompano Beach, FL
33069
USA

EUROPE OFFICE:

The Courtyard
Green Lane
Heywood
OL10 2EX
United Kingdom

ASIA OFFICE:

190 Clemenceau Ave
#06-01
Singapore
239924

"IT WAS A PLEASURE TO WORK WITH CA-MARINE SERVICES, THEY ARE EXTREMELY PROFESSIONAL IN EVERYTHING THEY DO".

MAURO DEMARIA
SENIOR SERVICE COORDINATOR OPERATIONS
WÄRTSILÄ

""WE HAVE BUILT A STRONG RELATIONSHIP WITH CA MARINE. OUR PARTNERSHIP WITH THEM HAS BEEN VERY SUCCESSFUL WORKING ON BESPOKE PROJECTS WITHIN THE MARITIME SECTOR.".

MARK BESWICK
MANAGING DIRECTOR
R&B SWITCHGEAR SERVICES

