

DeAngelo

EXHAUST SYSTEMS



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ABOUT DeANGELO MARINE EXHAUST, INC

Founded in 1977, DeAngelo Marine Exhaust Inc. specialises in production fabrication of quality marine exhaust systems. As a leader in the marine industry, our personalised customer care and outstanding product workmanship are what truly sets us apart from our competitors. Whether you need an original exhaust system, repair or modification of an existing system, or parts to repair an exhaust-related problem, DeAngelo Marine Exhaust is here to help.

Over 37 years ago, we began operations in a small garage, manufacturing gasoline manifolds, stainless steel collectors, and risers for charter boats and small pleasure crafts. We were incorporated in 1986, officially opening a small fabrication shop in Fort Lauderdale, and demand for our state-of-the-art exhaust systems, products, and services quickly grew from there. Over the years we have streamlined and polished our operations process, thus maximising our efficiency and making products more readily available to our customers.

In February of 2004, Robert Montes, President and CEO of DeAngelo Marine Exhaust became the sole owner of the company. Due to the determination and hands-on efforts of Mr. Montes, as well as the extended family of employees, the company expanded to service customers worldwide, in all areas of the marine exhaust industry. In partnership with representatives from Europe to the Pacific Rim, DeAngelo Marine now has the ability to provide localised sales and service to new customers previously outside our geographical reach.

Today our building occupies 30,000 square feet, which house administrative, manufacturing, service, engineering and sales offices – to best meet our customers' needs. One major benefit of our current facility is our ability to provide over-the-counter items immediately to our customers, which we

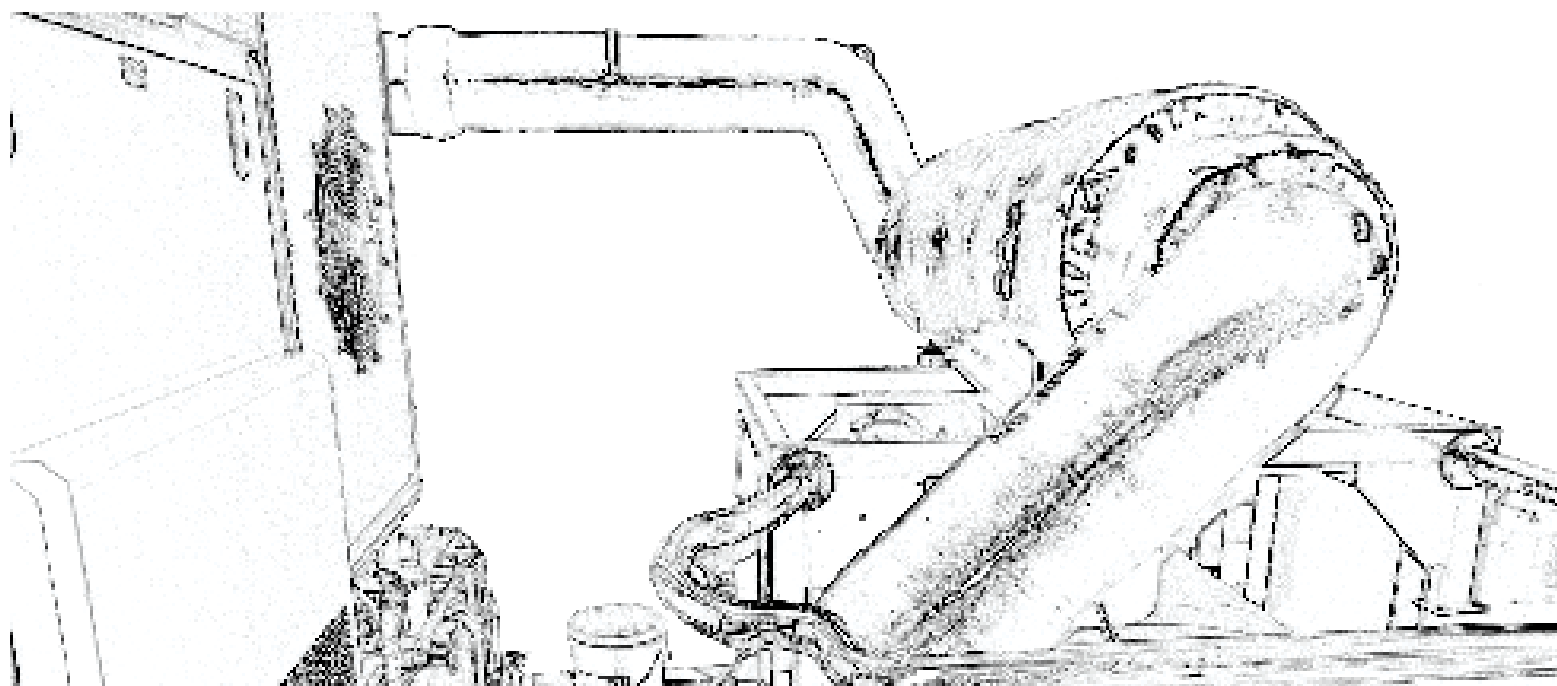
feel is a reflection of how we continue to put their needs first. As always, our goal is to provide the highest quality products and services available in the marine industry to our customers, and to continuously seek new ways to provide extraordinary customer support. We are proud of our reputation as an industry leader, and look forward to the opportunity to show you what sets us apart.

EXHAUST SYSTEMS

Since 1977, DeAngelo Marine Exhaust, Inc has specialised in production fabrication of quality marine exhaust systems. As a well-respected leader in the marine industry, our personalised customer care and outstanding product workmanship are what truly sets us apart from our competitors. Whether you need an original exhaust system, repair or modification of an existing system, or parts to repair an exhaust-related problem, DeAngelo Marine Exhaust offers reliable, convenient, state-of-the-art-solutions.

ENGINEERING AND DESIGN

For over 3 decades, DeAngelo Marine Exhaust has engineered exhaust systems for the finest builders in the world. As an industry forerunner, we understand that each vessel's exhaust demands will vary depending on the requirements specified. So, our experienced engineering team is always prepared to meet and exceed each customer's unique needs. From a custom-built sport fishing vessel in the Carolinas to supply vessels in Dubai, we can design to meet any classing society, engine requirements, and sound attenuation. From a small Cummins engine to a massive 20 cylinder MTU – and anything in between – we are ready to show you what we can do for you.





FABRICATION AND MANUFACTURING

At DeAngelo Marine, we proudly fabricate and manufacture cutting-edge exhaust systems using the following materials and processes:

Components

We use both 316L stainless and Inconel alloy in our fabrication process. We also form our own elbows using dies so that components are fabricated in tube, not pipe size. If fabrication is needed in aluminium, 5086 is used.

Welding process

All of our welds are completed by skilled, AWS-certified fabricators for the highest quality fabrication. When welding in stainless steel, creating a perfect weld environment is of the utmost importance because the desired corrosion resistance depends on it. During welding, the heated weld seam must be protected in order to avoid oxidation caused by exposure to air. Therefore, we have a 1625 gallon Argon tank onsite to protect the weld site from atmospheric contamination.

Passivation

The passivation process improves the corrosion-resistance properties of stainless steel components, and consists of immersing stainless steel components in an acid tank which dissolves the imbedded iron and restores the original corrosion-resistant surface after the fabrication process.

The DeAngelo Marine Exhaust family is ready to serve all your marine exhaust system needs, on time and on budget. We are proud of our reputation as a leader in the marine industry, and look forward to the opportunity to reveal what makes us unique.



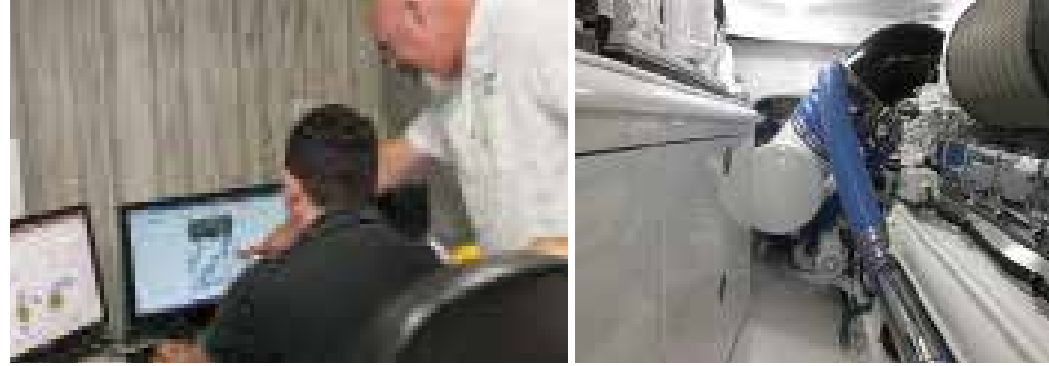
SEACLEAN SOOT FILTRATION SYSTEM

DeAngelo Marine Exhaust is proud to offer the SeaClean® diesel exhaust filtration system. DeAngelo is the only manufacturer of diesel exhaust filtration systems able to provide complete turnkey installations from turbochargers to atmosphere. Each SeaClean® system is custom engineered and fabricated at our facility to precisely match your vessel's exact requirements. DeAngelo Marine Exhaust, Inc. is the sole source for cost effective and reliable diesel exhaust treatment systems. SeaClean® is an American designed and manufactured active soot filtration system that delivers virtually maintenance free performance for extended periods without clogging problems associated with other exhaust filters.

DeAngelo will install a complete SeaClean® system, or retrofit heater and control modules to correct pollution issues associated with previously installed but poorly performing or failed Diesel Particulate Filter installations.

SeaClean's cutting-edge control module monitors generator exhaust to compensate for generator underloading. SeaClean® can be configured to act as a generator load bank at times of low electrical power consumption yet automatically reduce loading in response to increased "hotel load" requirements. SeaClean® records system operating conditions so that vessel engineers can track system performance and anticipate future maintenance needs. All particulate filters will require cleaning at some point but compared to all the other filters on the market, SeaClean® is about as close to "fit and forget" as possible. SeaClean® truly has brought a breath of fresh air to generator exhaust problems.





SERVICES

- Complete engine services - capability to guarantee back pressure, acoustical performance, temperature and fit-up and fit-up of system
- Computer aided design (CAD) services, for a professionally engineered exhaust system that is performance correct for your vessel, plus drawings in three-dimensional detail
- On-site applications engineering and exhaust fit measurement services anywhere in the world
- Complete service and installation, complete with all the required hoses, clamps and overhead isolation systems
- Quality assurance, with capabilities to ensure quality control to QS 9000 system requirements

PRODUCTS

- High quality metal products, offered in 316L stainless steel and Incoloy alloy with optional upgrades on water-injected components
- Various insulation options: dry insulation and permanent type ceramic hard shelled black, removable type soft insulation in a range of colours (silver, gray, black and white)
- Metal finishes - in matte, powder coating in a range of colours, electroplate, mirror finish, and a variety of finishes
- Wide range of silencer packages, for wet or dry silencer applications, including generator coolstacks
- Complete accessory line, including silicon hoses, T-bolt clamps, turbo installation kits, turbo blankets, gaskets, support stanchions, overhead isolation mounts and exhaust hangers and much more



QUALITY AWARENESS STATEMENT

Everywhere our logo appears, so do the words QUALITY STAINLESS PRODUCTS. At DeAngelo Marine Exhaust we have always prided ourselves in the QUALITY of our exhaust systems and components. In fact, the main reason for our sustained growth has been our excellent quality and resulting high level customer satisfaction.

To strive for continuous quality and process improvements, we have implemented many quality programs unheard of in the marine exhaust manufacturing industry. Most recently DeAngelo Marine Exhaust has added a Six Sigma Certified Director of Quality Programs to its management group dedicated to implementing new methodologies.

As part of the continuous improvement process and the new management philosophy, we have restructured our operations into a quality management tool that monitors critical processes and analyzes every step in our organization.

This tool called 'Dashboard' identifies projects and tasks needed to steer DeAngelo Marine Exhaust in meeting its goals and mission statement. This is an integral part of the implementation of Six Sigma Style Management.

DeAngelo Marine Exhaust is committed to Quality and will continue striving to manufacture the highest and most cost effective products for our customers.





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PYROTEK WORLDWIDE LOCATIONS

- AUSTRALIA
- CANADA
- CHINA
- CZECH REPUBLIC
- HONG KONG
- INDIA
- INDONESIA
- JAPAN
- KOREA
- MALAYSIA
- SINGAPORE
- NEW ZEALAND
- TAIWAN
- THAILAND
- TURKEY
- UNITED ARAB EMIRATES
- UNITED KINGDOM
- UNITED STATES OF AMERICA
- VIETNAM

CONTACT DETAILS
for further information and
contact details, please visit
our website at pyroteknc.com

Pyrotek endorse forest sustainability and the preservation of natural environment. We procure the highest quality materials from suppliers who hold FSC (Forest Stewardship Council) Certification and PEFC (Programme for the Endorsement of Forestry Certification) amongst other certification programmes.

Caveats: Specifications are subject to change without notice. The data in this document are typical of average values based on tests by independent laboratories or by the manufacturer and are indicative only. Materials must be tested under intended service conditions to determine their suitability for purpose. The conclusions drawn from acoustic test results are as interpreted by qualified independent testing authorities. Nothing here releases the purchaser/user from responsibility to determine the suitability of the product for their project needs. Always seek the opinion of your acoustic or mechanical engineer on data presented by the manufacturer. Due to the wide variety of individual projects, Pyrotek NC is not responsible for differing outcomes from using their products. Pyrotek disclaims any liability for damages or consequential loss as a result of reliance solely on the information presented. No warranty is made that the use of this information or of the products, processes or equipment to which this Information Page refers will not infringe any third party's patents or rights. DISCLAIMER: This document is covered by Pyrotek standard Disclaimer, Warranty and © Copyright clauses. See www.pyroteknc.com/disclaimer.

