



SCANIA ENGINES

# WIND FARM SERVICE VESSEL SOLUTIONS



**SCANIA**



# AN OCEAN OF PROVEN MARINE PERFORMANCE

## MEETING THE DEMANDS OF THE WIND FARM SERVICE INDUSTRY.

Renowned for industry-leading quality and over 125 years of engineering expertise, Scania is considered one of the world's leading manufacturers of engines for marine applications. Each year, we produce over 100,000 diesel engines for operators in a variety of industries who demand excellence in technology and unrivaled performance. With extreme durability and long service life, Scania's marine engines contribute to safe operation and low operating costs for demanding applications like wind farm service and crew transfer vessels.

Every engine is designed and manufactured in-house. They are the result of proven technical solutions based on constant development and cutting-edge technologies.

They handle every challenge with confidence. Thanks to the unrivaled power-to-weight ratio and compact dimensions of the Scania marine engines, boat designers have great opportunities to optimize the installation and set new standards in operational efficiency and profitability. When powered by Scania, you can expect instant response, uncompromising torque at low revs and relentless performance at any speed. A bold statement perhaps, but one backed by a track record of proven performance.



# THE SCANIA QUAD SOLUTION

OPTIMIZED MARINE PERFORMANCE, FLEXIBILITY AND EFFICIENCY.  
THE PERFECT SOLUTION FOR THE UNIQUE NEEDS OF WIND FARM  
SERVICE AND CREW TRANSFER VESSELS.

**THE CHALLENGE:** To obtain horsepower in the 2000+ range required to power their vessels, Wind Farm Service operators have historically employed a dual engine configuration. But because each engine exceeds 1000 horsepower, this solution crosses the threshold of Tier 4 emission requirements and creates the need to install and maintain cumbersome and expensive aftertreatment technology.

DISCOVER A SMART, ELEGANT,  
AND SIMPLE ALTERNATIVE:

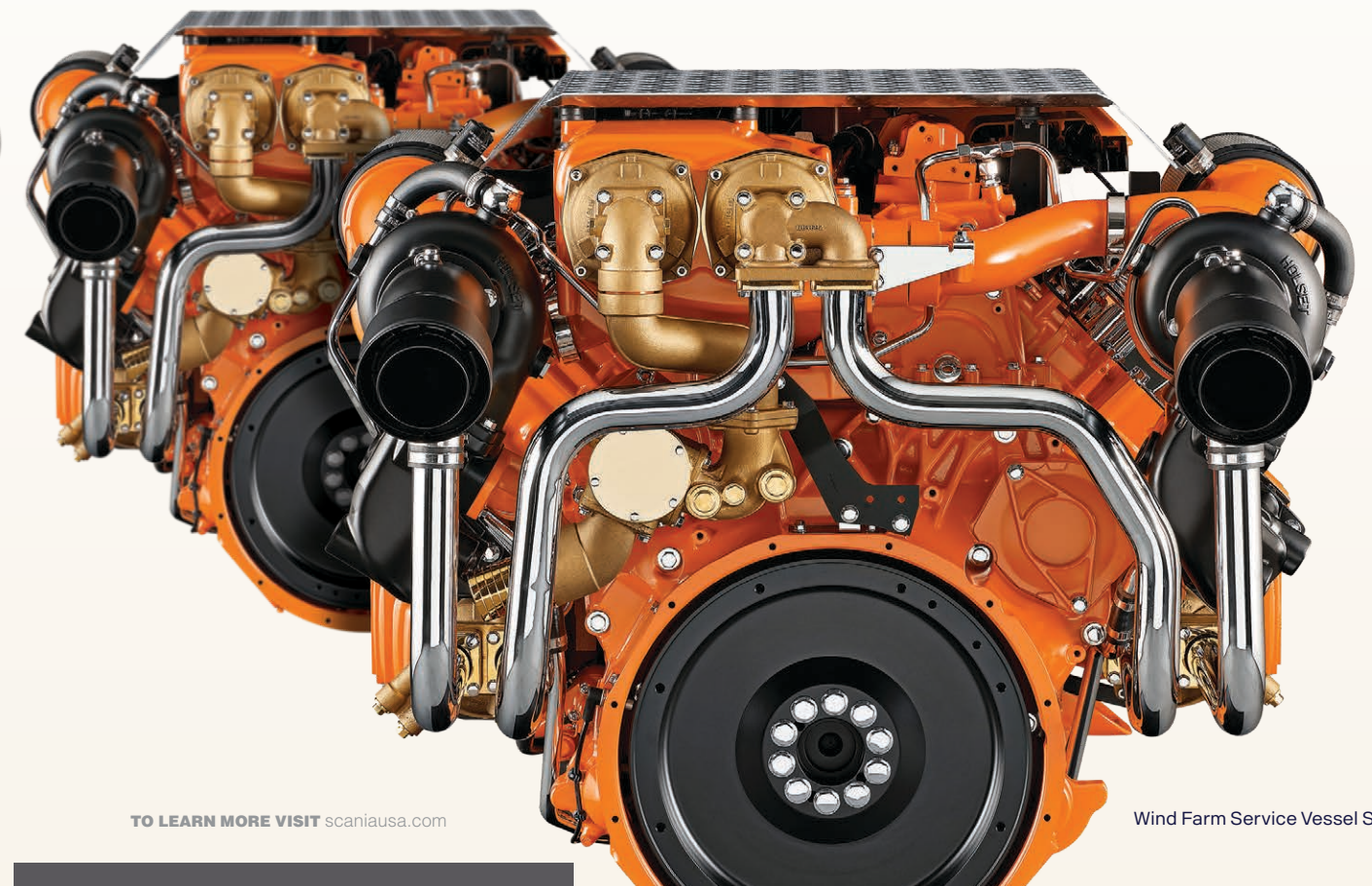
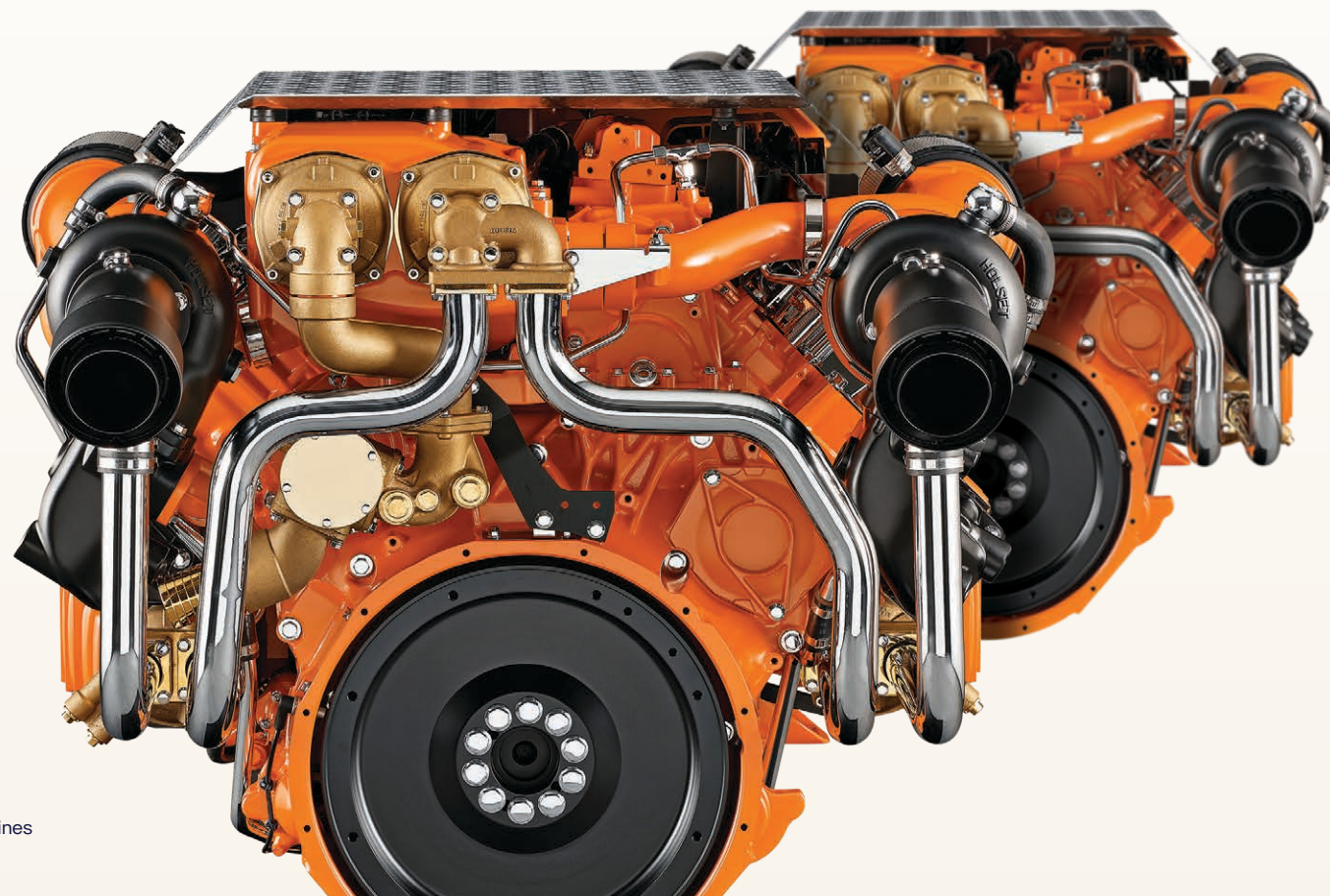


**THE SOLUTION:** By choosing a configuration of 4 leaner Scania marine engines to reach horsepower requirements, not only is the need for costly aftertreatment systems avoided by staying within EPA Tier 3 standards, but an opportunity to reach a superior level of efficiency, flexibility, and performance is also created.

Whether desired horsepower is achieved through a quad configuration of 600, 700 or 800 horsepower engines, the optimized benefits are the same:

- Maximum power and flexibility without the cumbersome addition of aftertreatment equipment, while still meeting current emissions requirements
- No additional operating costs for the purchase, storage, quality control and constant deployment of Diesel Exhaust Fluid (DEF)
- The absence of DEF or Selective Catalytic Reduction (SCR) equipment creates a more efficient, compact engine room design
- Leaner configuration with no complicated aftertreatment components to maintain results in better reliability and fewer maintenance issues and expenses
- No aftertreatment equipment results in lighter overall vessel weight
- The ability to employ the power of 1, 2, 3, or all 4 engines based on the specific operating needs and conditions
- The Scania Quad solution doubles engine operation choices and provides twice the versatility to use only the power you need compared to two huge engines
- Run 1 smaller engine in 'Hotel' mode to power essentials instead of overpowering and wasting fuel running 1 larger horsepower engine
- In a dual configuration, if you lose 1 of 2 larger engines, the vessel must head to port for repairs, losing valuable time and income. The redundancy of Quad Solution provides the versatility, power, and control to continue operation
- Scania engines are sculpted from compacted graphite iron, with twice the tensile strength of grey iron. The result is an extremely strong yet lightweight powerhouse
- Smaller Scania engines are more fuel efficient so inherently produce less CO<sub>2</sub>

**THE RESULT: THE SCANIA QUAD SOLUTION IS THE ANSWER TO MAXIMUM POWER AND VERSATILITY WHILE GIVING VESSEL OPERATORS UNPARALLELED OPPORTUNITIES FOR CONTROLLING OPERATING COSTS.**





# SMART SUPPORT POWERED BY SCANIA

Smart Support Powered by Scania is an intelligent, intuitive and predictive system designed to provide superior support and service for every Scania customer in North America. Smart Support features:

- Systems to pinpoint the location of in-service engines and having necessary repair parts in-stock at the closest dealer point
- Technical support strategically located across the country for maximum coverage and fastest response
- The highest level of training in the industry for dealers and technicians
- Scania Assistance available 24/7/365 where one call locates the closest technical assistance and assists through the entire repair cycle

The most dependable engines in the industry backed by an unrivaled level of support. It makes doing business with Scania a very smart decision.

## Quality Points

We take pride in providing service where you are. Our service network grows with our customers and provides over 700 highly skilled technicians who are trained on the latest emission standards and technology.



### SERVICE POINTS

Service points are strategically located for the fastest response.



### QUALITY

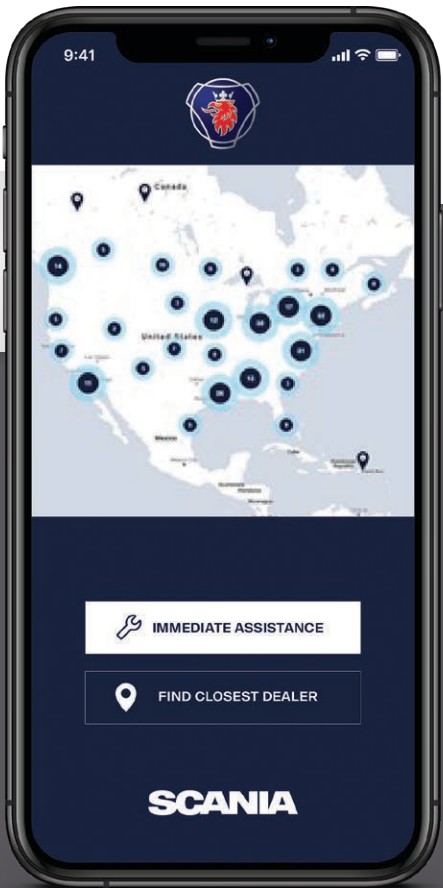
9 step process to evaluate, sign, and train dealers ensuring premium service points.



### TAILORED SUPPORT

Service set-up is based on customer needs.

**SCANIA USA DEALER LOCATOR APP**  
Download in the App Store and on Google Play



Find the closest dealer near you at [scaniausa.com](http://scaniausa.com) or view here:



**EXPERTLY EXPEDITED**  
Minimizing engine downtime means getting parts where they need to be in the fastest time. That's why we located our parts warehouse near a major overnight hub, allowing last minute shipments and ensuring parts are delivered within hours.

**SCANIA TECHS ARE HIGH TECH**  
Minimizing engine downtime means having field techs who are up to speed on the latest emission standards and technology and equipped with state-of-the-art diagnostic tools and rapid parts availability.



**SIMPLICITY THROUGH MODULARITY**  
Along with having 30% common parts in every engine, our inline 5, inline 6 and V-8 diesel models all share a universal, modular cylinder head, designed for individual replacement. The result is a simplified parts inventory, shorter technical training requirements, the ability to make major repairs at your site and more uptime for your engine.



**LIVE MONITORING SUPPORT**  
If the need arises, one call 24/7/365 locates the closest technical assistance and facilitates the entire repair cycle. The Scania Assistance representative monitors all aspects of the process, locating parts, expediting repairs and minimizing downtime.

**ONE MAN SERVICE CONCEPT**  
Our Modular Design reduces the time and resources needed for training and promotes what we refer to as the "One Man Service Concept." Having separate cylinder heads makes it possible for one person to change a cylinder head in the field or in the workshop.

**COMMITTED**  
We are committed to supporting our customers before a need arises. We notify our service network of new customers in their area. The Scania service representative relays all pertinent service information and establishes a direct relationship to ensure they have appropriate service contact information.

**WITH SMART SUPPORT POWERED BY SCANIA,  
CONFIDENCE IS A STANDARD FEATURE OF EVERY ENGINE.**

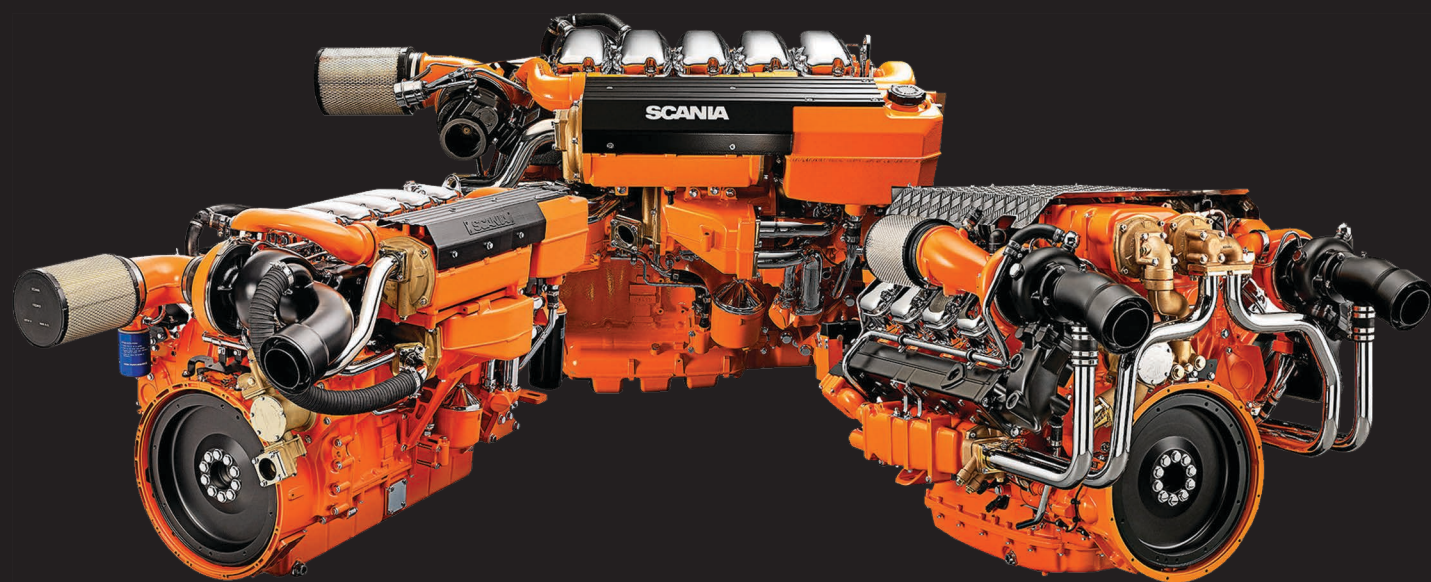


# PURE SCANIA. DOWN TO THE NANOMETER.

Our engines are 100 percent designed and built in-house. They are known for industry-leading standards of quality and dependability. The majority of our marine engines, as well as the electrical systems and instrumentation within the Scania marine power solution, are type-approved by the leading classification associations.

Taking advantage of proven Scania technologies as a basis for development, our engineers continue to take pioneering leaps. While our engines constantly become cleaner and more fuel-efficient, they still deliver the power and torque you have come to expect from Scania.

Our development work keeps full steam ahead. Being at the forefront of technology is part of who we are and at Scania, we are always ready to provide solutions in accordance with future demands.



#### SCANIA CENTRIFUGAL OIL CLEANER

A proven and dependable solution for making oil filtration more effective. The oil cleaner combined with the maintenance-free CCV centrifuge reduces wear and costs for downtime. Used with the recommended Scania oil, this solution contributes to the outstanding durability and service life that boat owners all over the world have come to associate with Scania.

#### SCANIA SAVER RING

A prime example of Scania in-house technology and engineering, the saver ring is fitted inside the cylinder and removes soot along with other residue from the upper part of the piston. Unique to Scania engines, it reduces wear, extends engine life and contributes to Scania's reputation for dependability and lower operating costs.



#### SCANIA FUEL INJECTION SYSTEMS

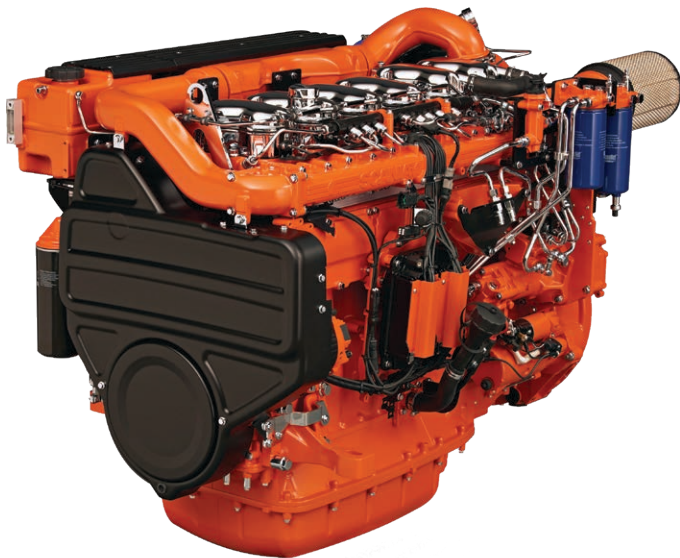
Scania has two fuel injection systems: Scania PDE and Scania XPI (extra high pressure injection), which is a Scania-designed common-rail fuel injection system. Both systems make continuous, precise adjustments to ensure optimal fuel delivery in all conditions without restricting torque build-up and step-load handling. With Scania XPI, pressure can be set independently of engine speed with exceptional precision, meeting performance demands ahead of legislation.



# MARINE POWER SOLUTIONS

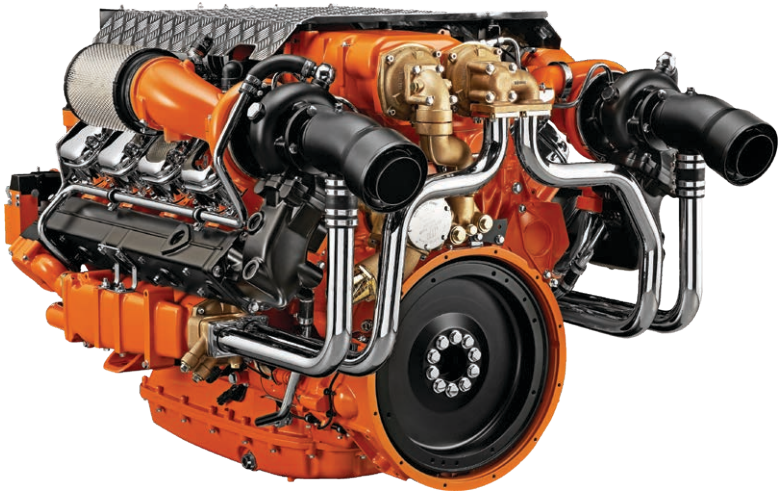
Worldwide, Scania produces marine engines designed and engineered for virtually any propulsion application with power output ranging from 220 to 1,150 horsepower.

For the unique needs of wind farm service vessels in North America, the Scania Quad Solution can be powered by a configuration of the DI13 or the DI16 marine engines.



## DI13

Configuration	6 in-line
Emissions	EPA Tier 3
Output Range: 650-700 hp intermittent, unlimited hours 700-800 hp intermittent, 2,000 hours a year	
Displacement CID (Liters)	775 (12.7L)
XPI fuel system	



## DI16

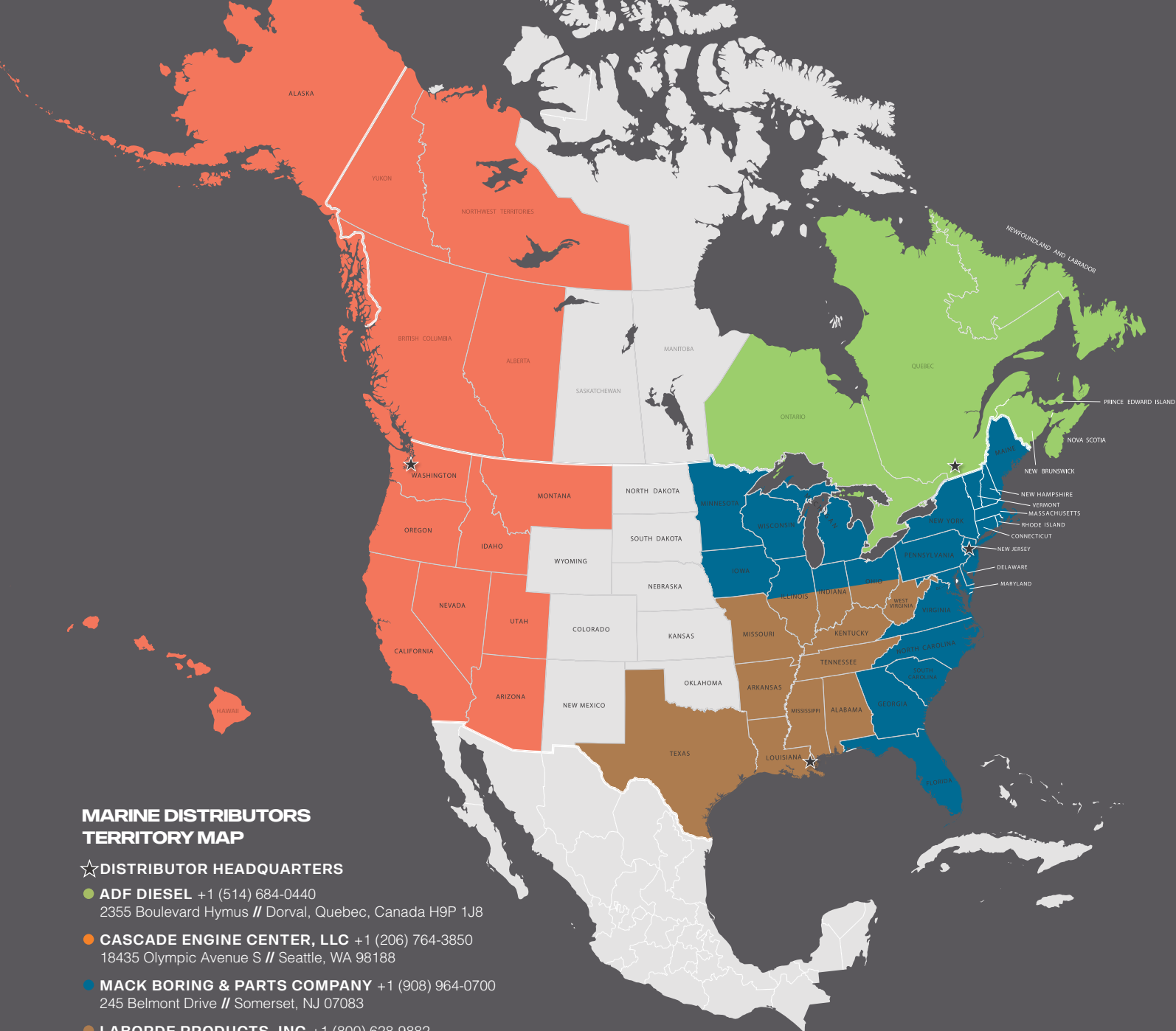
Configuration	V8
Emissions	EPA Tier 3
Output Range: 700 hp continuous, unlimited hours 800 hp intermittent, unlimited hours a year	
Displacement CID (Liters)	1000 (16.4L)
PDE unit injector	



Photo provided by **Lyfted Media**.

**WINDSERVE ODYSSEY**  
powered by QUAD DI16 800 HP Scania engines





## MARINE DISTRIBUTORS TERRITORY MAP

### ☆ DISTRIBUTOR HEADQUARTERS

- **ADF DIESEL** +1 (514) 684-0440  
2355 Boulevard Hymus // Dorval, Quebec, Canada H9P 1J8
- **CASCADE ENGINE CENTER, LLC** +1 (206) 764-3850  
18435 Olympic Avenue S // Seattle, WA 98188
- **MACK BORING & PARTS COMPANY** +1 (908) 964-0700  
245 Belmont Drive // Somerset, NJ 07083
- **LABORDE PRODUCTS, INC** +1 (800) 628-9882  
74257 Highway 25 // Covington, LA 70435



**TO LEARN MORE VISIT**  
[scaniausa.com](http://scaniausa.com)

Depending on emission compliance the rating and output range may vary. For further details, please check the technical specification sheets on [www.scaniausa.com/marineengines](http://www.scaniausa.com/marineengines).

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