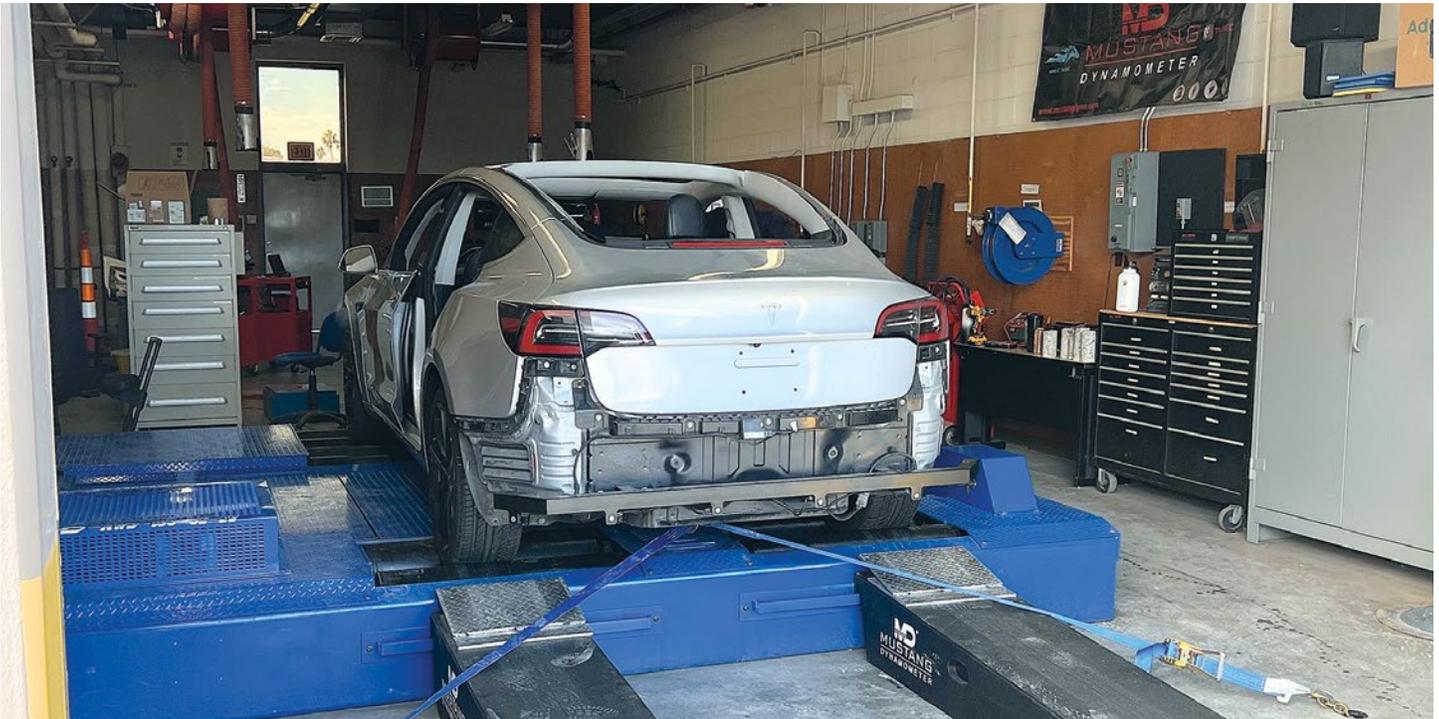


PROJECT SPOTLIGHT

EV Chassis Dynamometers at Port Hueneme



Mustang Advanced Engineering (MAE), a global leader in dynamometer technology and advanced vehicle testing solutions, has successfully installed two state-of-the-art chassis dynamometers at the Naval Construction Battalion Center (NCBC) Port Hueneme in Oxnard, California.

OVERVIEW

To support a growing fleet of Electric Vehicles (EVs), hybrid platforms, and traditional internal combustion engine (ICE) heavy-duty vehicles, the Naval Construction Battalion Center Port Hueneme required an advanced testing solution capable of covering all propulsion technologies. Mustang Dynamometer and Mustang Advanced Engineering delivered a versatile, high-capacity system built to meet these evolving demands.

SNAPSHOT

Project: (2) MD-AWD-150-SE-EV All-Wheel-Drive Chassis Dynamometers

Client: Naval Construction Battalion Center (NCBC) Port Hueneme, 346 Training Squadron, Vehicle Management Training Center, and Air Force

Industry: Military EVs and Heavy-Duty Vehicles

CHALLENGE

The Navy needed a dynamometer system that could:

- Accurately test high-torque EVs
- Support hybrid and ICE vehicle platforms
- Handle the extreme horsepower and load requirements of heavy-duty trucks
- Deliver repeatable, reliable data for diagnostics, performance validation, and maintenance

SOLUTION

Mustang Dynamometer installed two MD-AWD-150-SE-EV chassis dynamometers, engineered specifically for multi-platform, heavy-load testing. Designed to manage the instant torque of electric vehicles while still providing the horsepower capacity required for large fleet trucks, these AWD systems enable the Navy to test its diverse fleet on a single, unified platform.

- High-torque EV load absorption
- Heavy-duty truck horsepower handling
- All-wheel-drive vehicle compatibility
- Precision control for diagnostics and performance evaluation
- Durable engineering suited for military fleet environments



"This installation showcases MAE's commitment to providing our customers with testing solutions that meet today's demands and tomorrow's standards..."

- David Ganzhorn,
Vice President of Sales, MAE

RESULTS

With the installation of these two advanced EV-capable chassis dynamometers, NCBC Port Hueneme can now:

- Test EV, hybrid, and ICE heavy-duty vehicles in one facility
- Improve fleet readiness and maintenance accuracy
- Support long-term electrification efforts within military operations
- Reduce downtime through more efficient diagnostics and controlled test conditions

"This installation showcases MAE's commitment to providing our customers with testing solutions that meet today's demands and tomorrow's standards," said David Ganzhorn, Vice President of Sales for Mustang Advanced Engineering. "The MD-AWD-150-SE-EV dynos give NCBC Port Hueneme the versatility to test EVs, hybrids, and heavy-duty vehicles on a single platform, while also supporting the emissions testing required by California law. It's a powerful combination of capability and compliance."



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About MAE

Mustang Advanced Engineering is a leading supplier of advanced, custom engineered testing and measurement systems. Located in Twinsburg, OH, MAE delivers world-class testing solutions, custom design support, and technical assistance, backed by a dedicated factory service team, making MAE a trusted source of expertise for the global industrial market. Visit MustangAE.com for more information. Follow them on Facebook, X (Twitter), LinkedIn, and Instagram.

