

## Automotive Electric Motor Drive (AEMD)

### Goal

The AEMD must be designed and manufactured to overcome cost, volume, weight, thermal and reliability barriers in order to meet technical targets. This project will verify the suppliers/developers success in accomplishing these ends.



*AC dynamometer for testing of AEMD units.*

### Project Description

Provide technical and evaluation support to subcontractors developing an AEMD that meets the goals and schedule of the Partnership for a New Generation of Vehicles (PNGV).

### Objectives

- To provide electrical and environmental test and independent evaluation support to AEMD developers/suppliers of preliminary and production design test articles.
- To validate conformance to established specifications.
- To assist in the determination of the suitability of the AEMD technology for automotive applications.
- To promote the use of newly developed technologies from DOE's national laboratory programs.

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