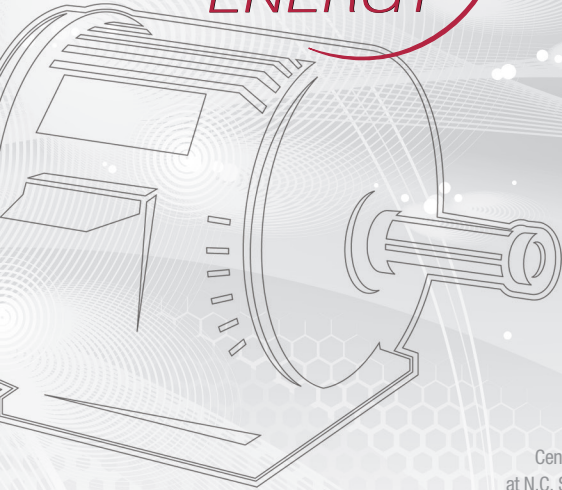


A HISTORY OF ELECTRIC MOTOR AND DRIVE TESTING at Advanced Energy



1991

AE develops the Horsepower Bulletin for the U.S. Department of Energy [DOE].



1989

AE builds the first dynamometer in its lab.

1992

AE works with the DOE to determine how motors should be tested for compliance with the new Energy Policy and Conservation Act [EPCA].

1997

AE achieves NVLAP compliance, the first motor lab in the world to be accredited by the National Institute of Standards and Technology [NIST] for motor efficiency testing.

1996

AE moves to Centennial Campus at N.C. State University.



1998

EPCA becomes law and gives motor manufacturers two years to become compliant. Introduces PEV Program, a motor repair quality control program.

2001

About 70 percent of all compliance certifications (CC#) issued to motor manufacturers by the DOE are delivered with Advanced Energy's assistance.

2002

AE partners with Washington State University to form the Motor Resource Center [MRC], a national resource to improve the design, application and operation of motors and motor-driven systems.

1999

AE develops corporate motor policy for BASF. First motor manufacturer achieves compliance with EPCA using AE's testing and consulting.

2003

AE is awarded the DOE grant for the 100 Motor Study.

2005

The DOE awards AE a grant to help develop "motor controllers for electric vehicle markets." AE celebrates 25 years of public benefits for North Carolina and beyond.

2004

Advanced Energy adds motor reliability testing for OEM clients.

2008

AE adds a DC generator for zero to 500v DC, 510 Amp continuous power for DC motor testing. Begins work on EISA Motor Regulations.

2006

AE helps Pentair Water secure funding for new energy efficient product launch and expands motor reliability test capability.

2010

AE worked with the South Korean government to create the first NVLAP lab in Korea.

2009

Tested motors for DOE and stakeholders to establish new minimum efficiency standards for small electric motors.

2011

AE enters into partnership with UL for motor efficiency testing.