

Motors & Drives Newsletter

February 2019



Advanced Energy Recognized as Certification Body by ANSI

Advanced Energy is excited to announce that it has recently been recognized by the American National Standards Institute (ANSI) as a [Certification Body](#). This achievement signifies that Advanced Energy meets the requirements outlined in ISO/IEC 17065 for organizations that certify products, processes and services, and that it can now certify electric motors and small electric motors for efficiency as designated by the U.S. Department of Energy (DOE).



The most widely used methods for earning electric motor efficiency compliance include testing motors in a lab accredited by the National Voluntary Laboratory Accreditation Program (NVLAP) with self-certification, or using an approved third-party, nationally

recognized Certification Program. Compliance and regular documented maintenance of motor efficiency are required to legally distribute covered products in commerce in the U.S.

In 1997, Advanced Energy's motor lab became the first in the world to obtain NVLAP designation, and it remains the only such independent lab in North America. Over the years, Advanced Energy has assisted many motor manufacturers with self-certification utilizing its NVLAP-accredited lab. By attaining accreditation as a Certification Body, Advanced Energy is now able to assist manufacturers with certifying electric motors and small electric motors through both its own NVLAP-accredited lab and other qualified third-party test facilities.

Advanced Energy's recognition as a Certification Body demonstrates the company's experience in and commitment to motor testing and its capacity to manage a certification system. This achievement will also open up new business opportunities. Rather than manufacturers shipping motors to Advanced Energy's NVLAP-accredited lab for testing, which can create a bottleneck during busy periods, Advanced Energy will be able to qualify other labs to perform testing for compliance.

"With the DOE considering increased independence in motor testing and potentially removing manufacturer self-certification, we want to be ready and nimble to address a market response," said Kitt Butler, director of business development at Advanced Energy.

"At the same time, we believe attaining Certification Body status will help our other

business units who are overseeing quality processes in grid interconnection, residential construction and electric vehicle planning.”

Advanced Energy’s registered mark for its certification services is shown above.

Dr. Emmanuel Agamloh Presents at Motor & Drive Systems Conference

In January, Dr. Emmanuel Agamloh presented at the Motor & Drive Systems Conference 2019 in Orlando, Florida. He discussed standards and test methods for determining losses in motor-drive systems and shared guidance on overcoming their deficiencies. Read more about Emmanuel’s presentation [here](#).



Welcome Co-ops

We are excited to welcome [Charlie Phillips](#) and welcome back [Travis Kiser](#) as co-ops in the motor lab. They are helping out as part of North Carolina State University's [Cooperative Education Program](#). Charlie recently started his first rotation, while Travis will be completing his third and final one.

“Working at Advanced Energy has been highly rewarding. As a third rotation co-op, I have progressed my critical thinking and learned about electrical and mechanical engineering processes and applications through hands-on experience,” said Travis. Charlie added:

“Even though I have only been at Advanced Energy for a short time, I have already gained invaluable hands-on experience, and I look forward to continuing to expand my skill set as I take on more responsibility over the remainder of my rotations.”

Conferences and Events

- NVLAP Accreditation - The motor lab was recently audited for renewal by NVLAP for accreditation to the ISO 17025 standard. Advanced Energy is proud to continue its NVLAP accreditation and will continue to seek out ways to strengthen its skills, training and processes in motor testing.
- [EASA Southeastern Chapter Conference](#), March 6-9, 2019 - Our motor lab coordinator, Ronnie Alford, will be attending this conference, which was rescheduled as a result of Hurricane Florence.

