



2021 Milan, Italy **Automotive**

Adapting and controlling the power absorbed by systems using chillers and evaporative towers is now possible thanks to the use of electronically controlled electric motors, EC. These allow variable adaptation of the speed of devices such as fans, according to the actual demand of the required cooling level.

EC motors must in particular guarantee the correct definition of absorption and power related to the various speeds of rotation, as well as the possibility of assessing the actual energy savings that can be achieved.

Accurate tests are therefore necessary in their design phase, as well as verification of their performance, using special test benches. The latter, in turn, require extremely accurate temperature control and cooling/temperature control flows, in order to guarantee the accuracy of the electric motor testing and verification process.