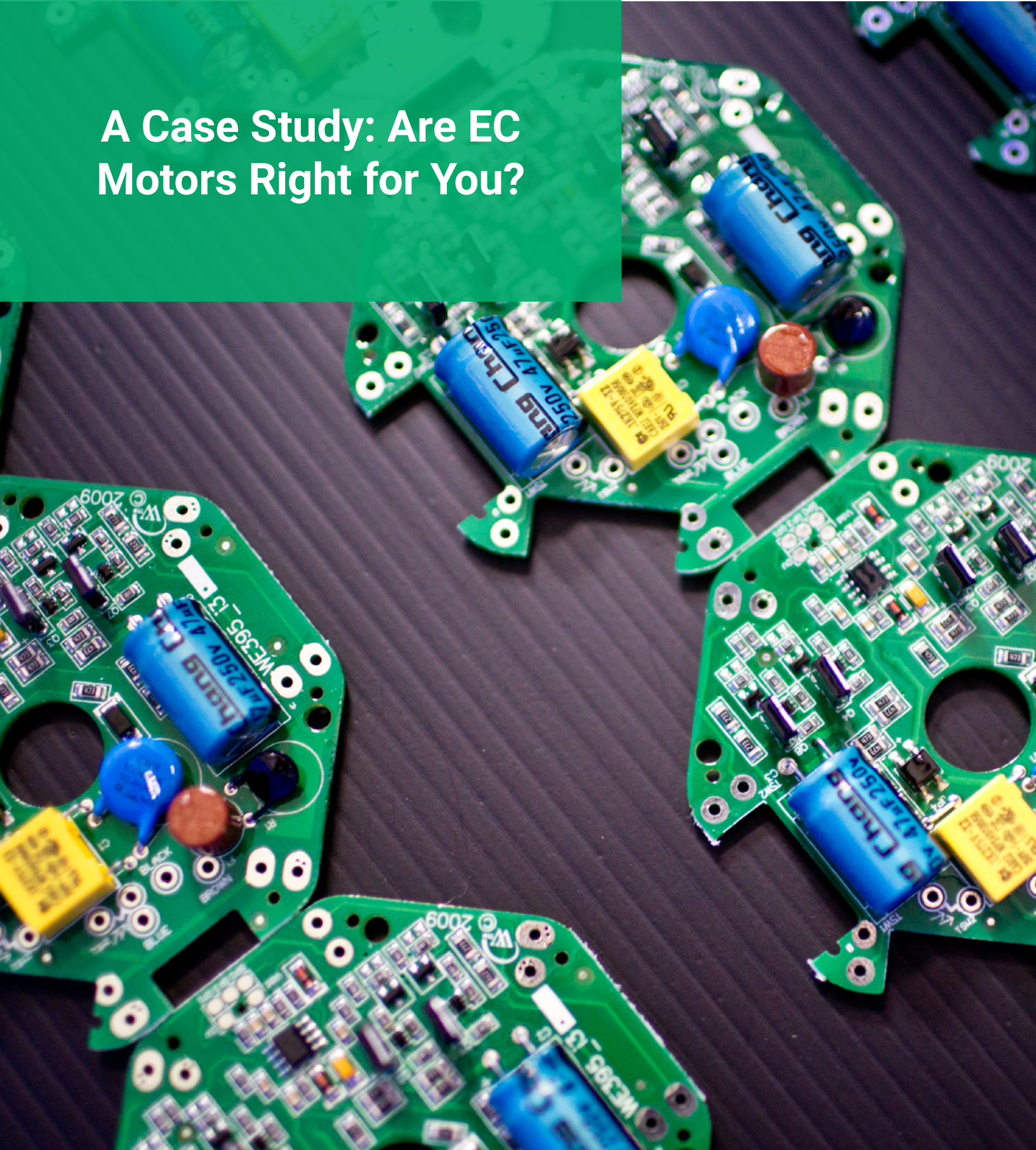




East West

CASE STUDY

A Case Study: Are EC Motors Right for You?



Cover: Assembled smart boards to be placed inside EC motors in Vietnam

Below: East West Vietnam worker assembles an EC Motor

With all the talk about the saving benefits of switching to EC Motors, it is still a challenge to see what your ROI will be. Not the theoretical savings, but the actual savings!

The following chart shows an actual customer that converted a double glass door reach in cooler from traditional Shaded Pole motors to EC Motors. (1) 10 Watt Shaded Pole and (1) 18 Watt Shaded Pole were replaced by (2) ECR01 EC Motors.

Once the fan blades were adjusted to suit the motor speed matching the original air flow performance, the following savings was obtained:



Original Shaded Pole Motors = 2.69 kWh/day

ECR01 EC Motor = 1.33 kWh/day

Savings Achieved = 1.36 kWh/day = 51%

1.36 kWh/day = 498.70 kWh/year

Price per electricity = \$.15/kWh

Annual Savings, per cooler = \$74.81

How many coolers do you have running AND how long do the motors last?

Below: ECR01 EC Motor

Your Big Objection

EC Motors are more expensive than Shaded Pole Motors. That is true. They also last longer and run quieter. If you could save \$74.81 for one cooler, and you have 10 coolers, and the motors last 10 years. Well, then you just 'saved' over \$7,000 in operating costs alone. Just by switching 20 motors!

