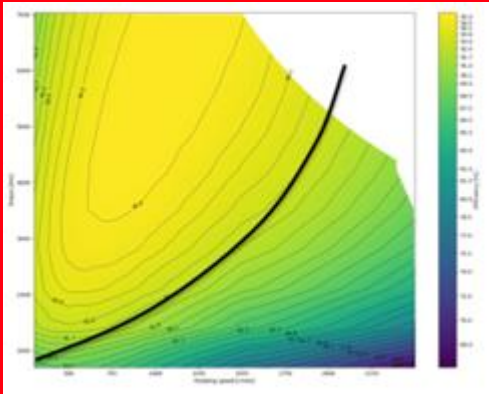


Use Case: Motor Energy Efficiency Map

CHALLENGE

Motor efficiency matters - but how can you optimize energy usage, if you do not know, what the actual efficiency of your running motor is.



APPROACH

Depending on their usage, age, environment and quality, each motor has a unique efficiency spectrum (map). With ABB Crealizer™ we can offer an application that delivers real-time, accurate motor-specific efficiency data based on torque and speed.

BENEFIT AND METRIC

Actual, application-specific efficiency data helps to make correct energy optimization actions, which can be realized either by adjusting the process settings or by upgrading to a newer, high efficiency motor.

Sensor less – doesn't require any additional sensors

ALTERNATIVE SOLUTIONS

Laborious and time-consuming data collection from various sources and calculations.

Usually, the needed data is not being collected and requires measurements over a longer period of time.

In many cases expert's help and site visits are required.

Adoption of high efficiency motor systems would cut global electricity consumption by up to **10%**