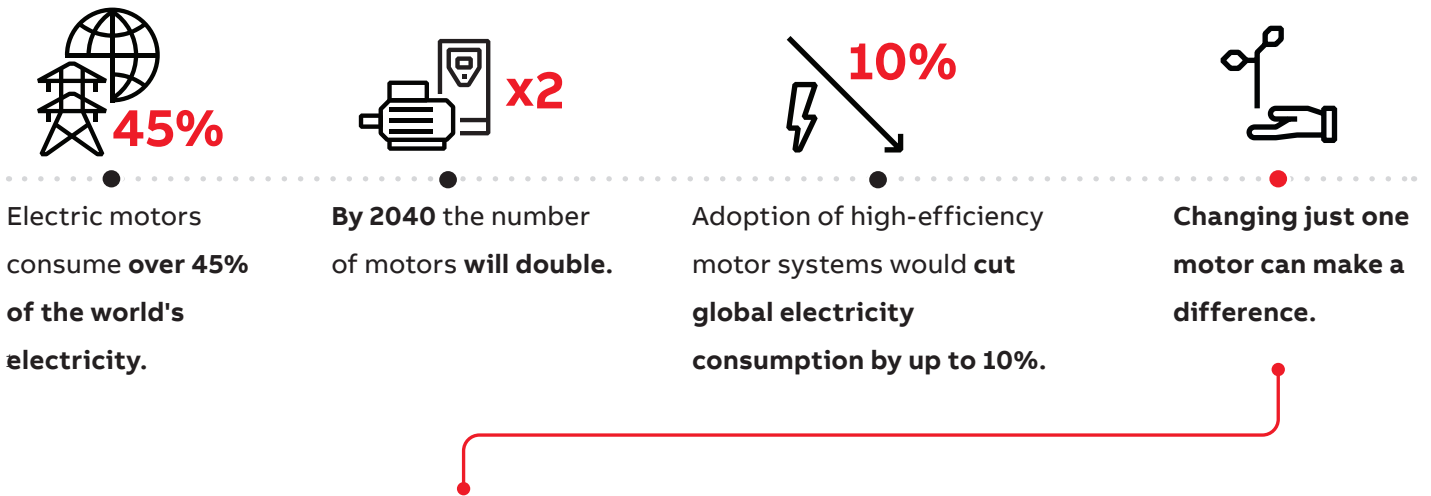


Let's talk about saving energy

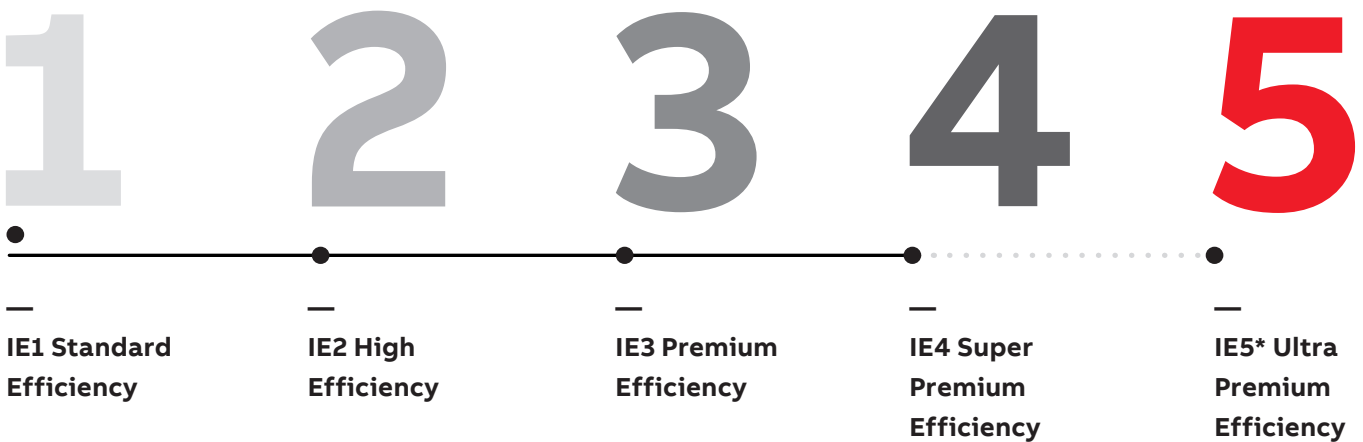
Motors at the forefront of global efforts to reduce emissions

Up to 70% of electricity consumed by industry is used by electric motor systems. The technological advancement and adoption of high-efficiency motors and variable speed drives on the market, are key factors in achieving significant energy efficiency improvements in industry and infrastructure.



International Efficiency (IE) standards stipulate the energy efficiency of low voltage AC motors. These IE codes serve as a reference for governments who specify the efficiency levels for their minimum energy performance standards (MEPS).

Five levels of motor efficiency

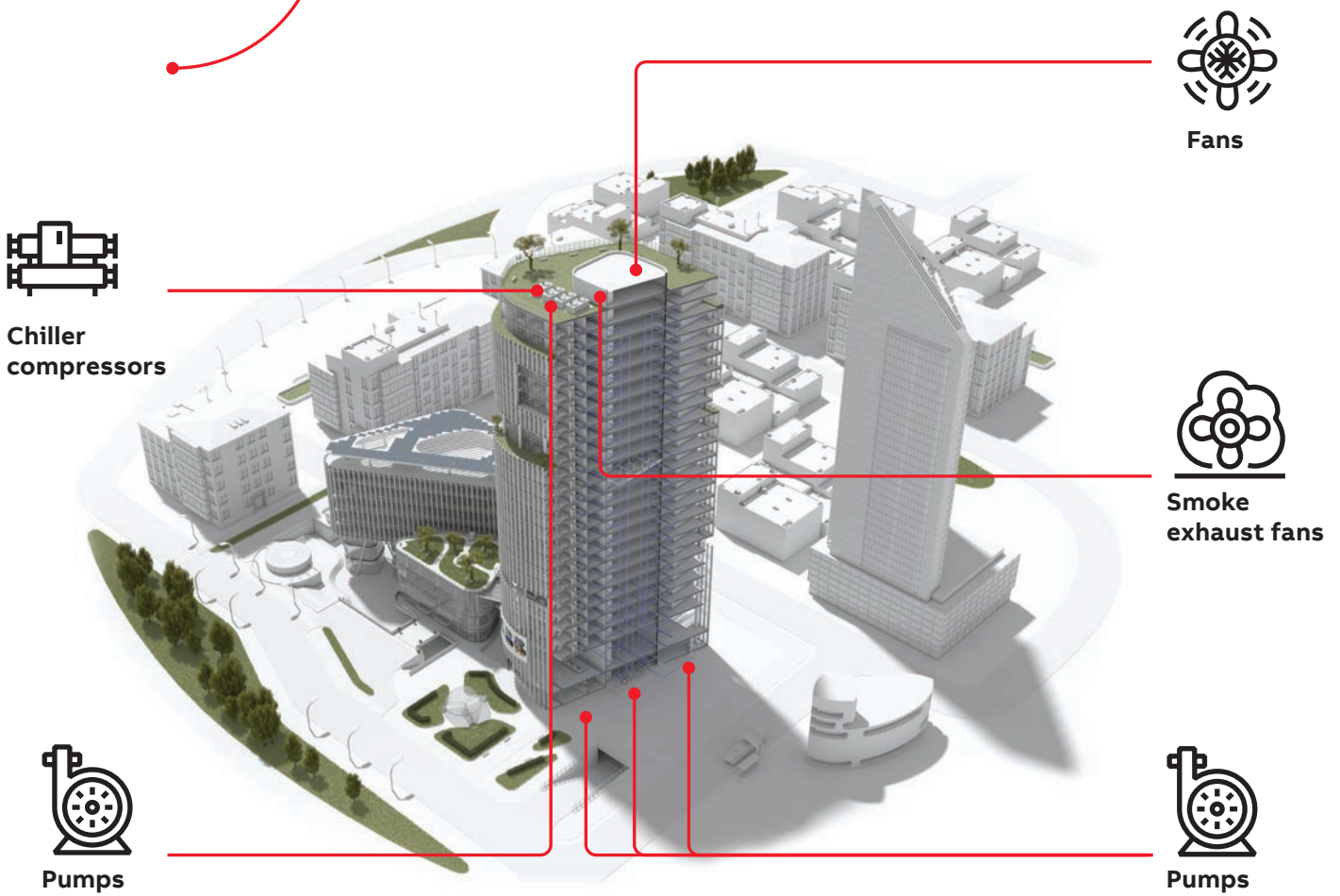


*The IE5 class has not been specified in the standard yet, but some manufacturers have already developed motors that will be compliant.

Switching up to IE5+ efficiency levels

Industrial motors

When added to the existing motor of a pump, fan or compressor, a variable speed drive can typically reduce power consumption by 25%. Replacing 80% of motors with IE5 levels will save more energy than the annual energy consumption of Poland.



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- [MOTOR SAVINGS CALCULATOR](#)

1 Omdia, "Motor-driven Equipment Research Package," 2020
 2 US DOE Energy footprints 2015 <https://www.globalefficiencyintel.com/new-blog/2017/infographic-energy-industrial-motor-systems>
 3 For an example of the calculations involved, see "Program Insights: Variable frequency drives," Consortium for Energy Efficiency, 2019, <https://www.cee1.org/content/variable-frequency-drives>.
 4 U.S. Energy Information Administration, international data: electricity, 2019, Poland