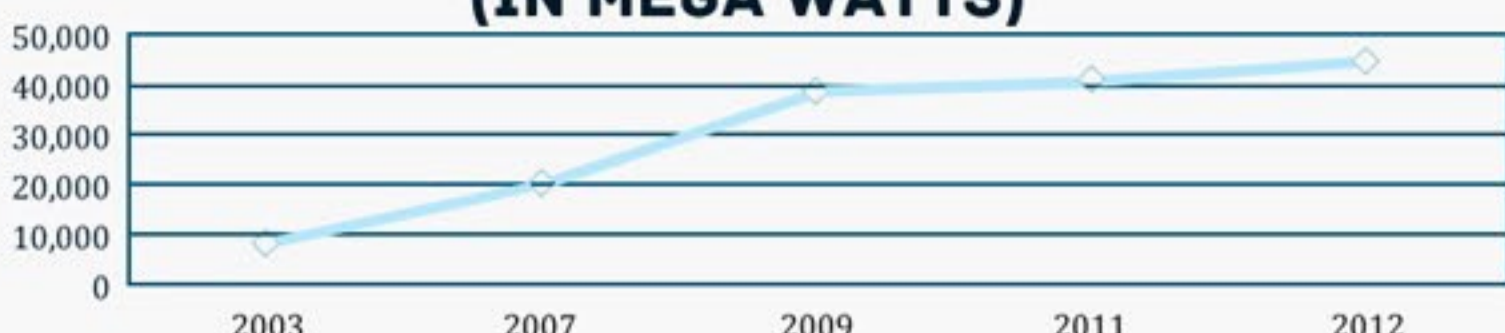


WIND: OUR NEW SOURCE OF ENERGY

Wind energy has grown by 29.7% (on average) every year over the past decade and if that exponential rate of growth continues, the US could derive 20% of its energy from wind by 2020.

WIND CAPACITY

INSTALLED WIND CAPACITY USA (IN MEGA WATTS)



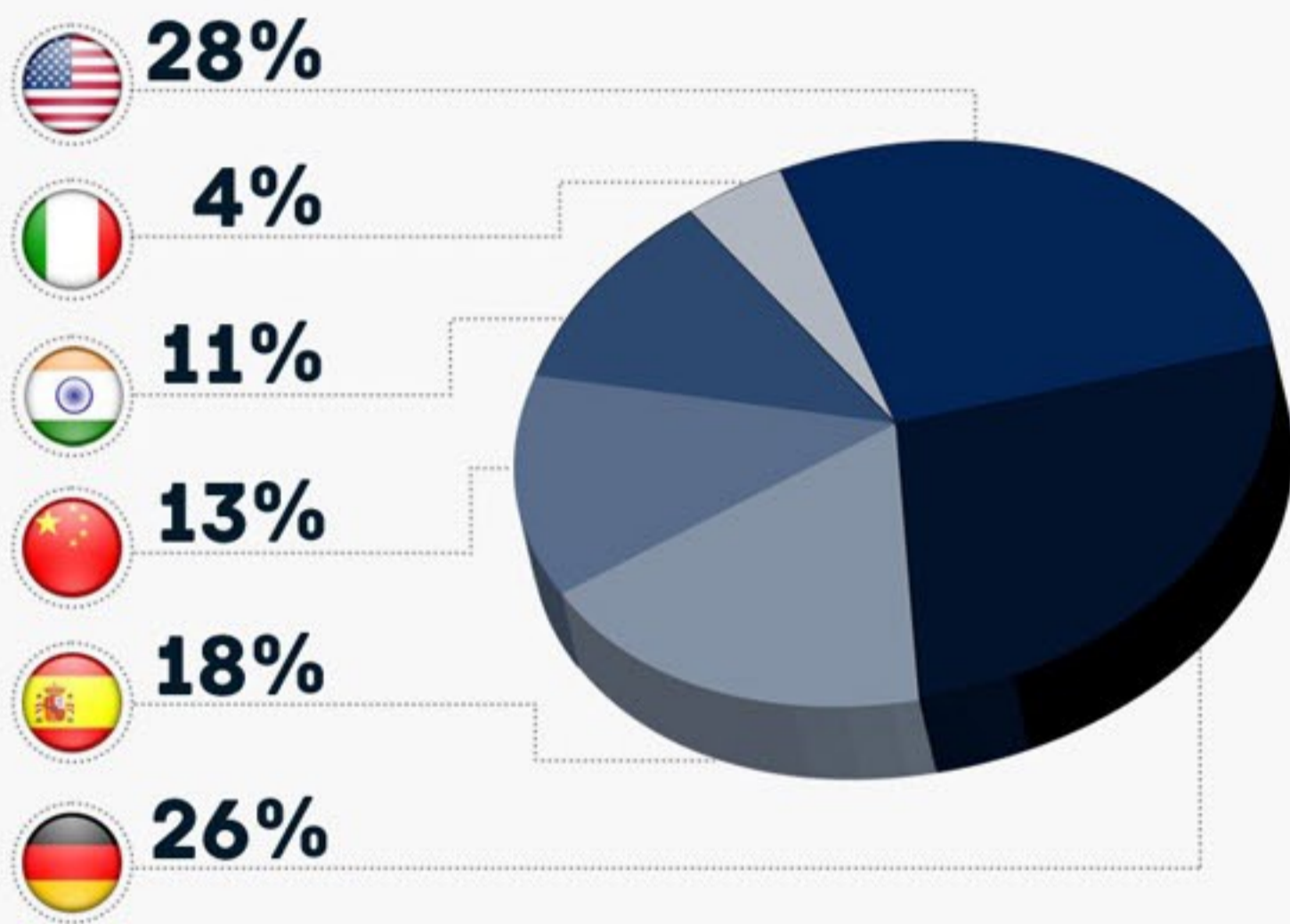
50,000 megawatts (MW) of wind power capacity installed in the United States and another 8,300 MW of wind power under construction as the year began

50,000 MEGAWATTS = 50 MILLION HOMES



Installing four million turbines could yield up to 7.5 TW, more than enough to power half the world's power demand in 2030.

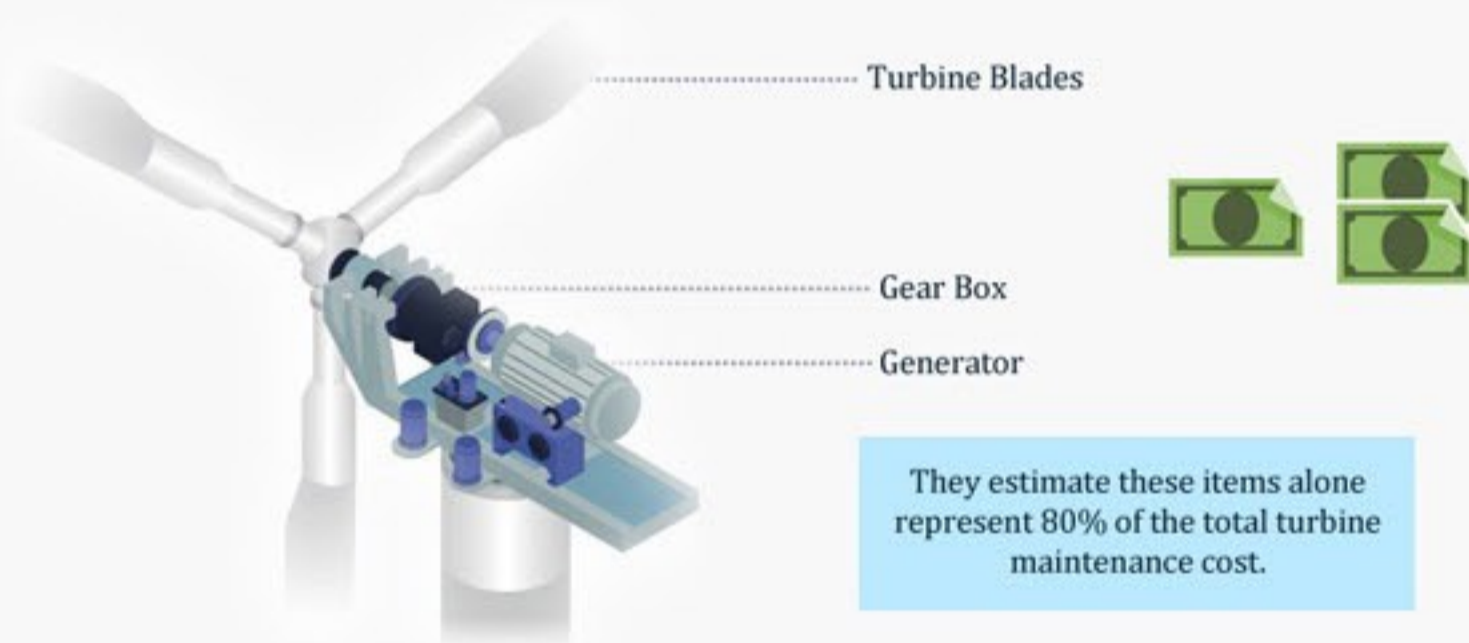
WORLD WIND POWER



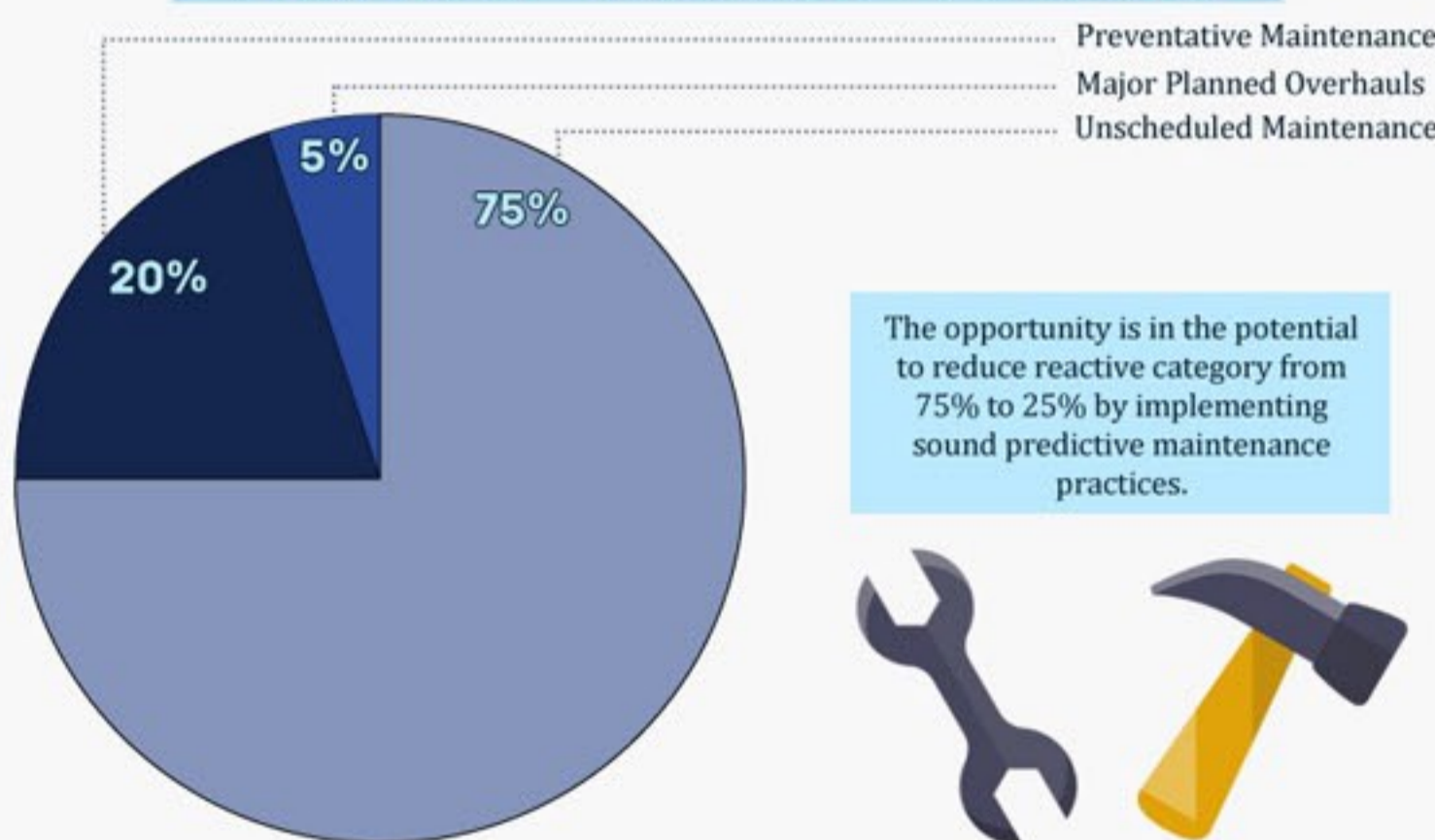
Today, U.S. wind power capacity represents more than 20% of the world's installed wind power.

SPENDING

Annual U.S. wind operations and maintenance spending is estimated to double to nearly \$6 billion by 2025. The three primary components in a wind turbine-generating site that requires regular servicing:



MAINTENANCE COSTS



\$40 billion worth of wind installations are at (or near) the end of the original equipment manufacturer (OEM) warranty periods.

REDUCING THE COST

A Computerized Maintenance Management System (CMMS) or an Enterprise Asset Management (EAM) system is the ideal means to manage required maintenance activities such as:



PLANNING



SCHEDULING



DOCUMENTATION

Currently, the systems that enable wind farms to implement predictive maintenance, rather than reactive maintenance are systemically underutilized, in the wind industry. The study by EPRI revealed a potential maintenance cost savings of 47% by using predictive maintenance techniques.

SOURCES:

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