

EU-MORE



EUropean M0tor
REnovation initiative

Introduction to the EU-MORE Project

João Fong

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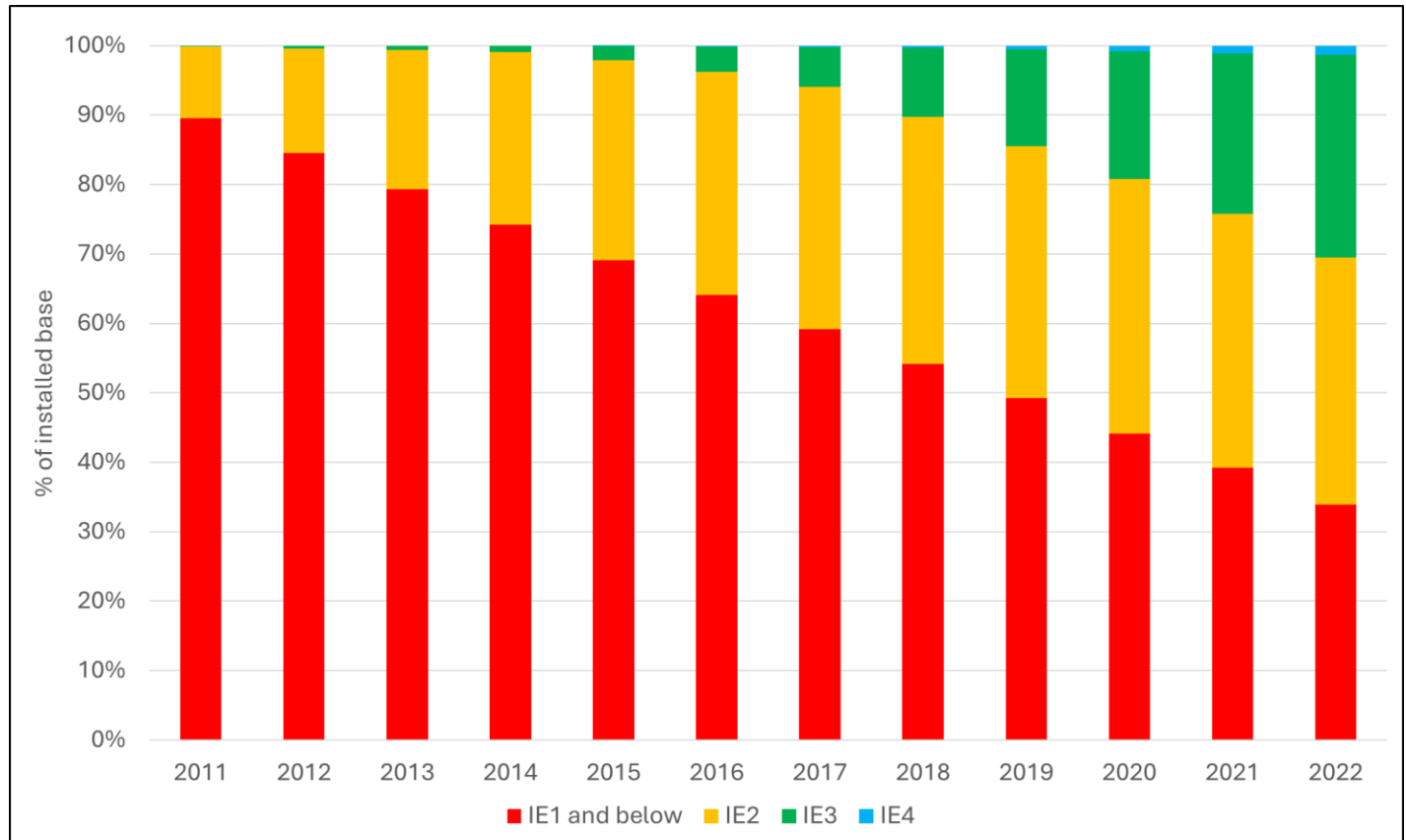
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What is the problem?



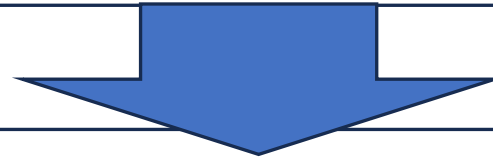
- Electric motors are responsible for over 50% of the total EU electricity consumption (70% in the industrial sector).
- A large number of old motors with poor efficiency remain in service for years beyond their expected lifetime.



What is the opportunity?



Accelerated motor replacement:
Replacing old IE 0/1/2 motors by new IE3/4/5 motors
+
Motor system optimisation



- A saving of **25 TWh/year** would be triggered by a full replacement of old, inefficient motors, assuming an average efficiency gain of 4% (= the average difference between IE1 and IE3).
- These savings would amount to **75 TWh/year** if motor replacement policies also promote audits proposing system-level improvements (e.g. correct sizing, variable speed drive, system digitalisation...).



What needs to be done?



GATHER INSIGHT

DEVELOP STRATEGIES FOR
ACCELERATING THE MOTOR
RENOVATION RATE

MAXIMIZE THE ENERGY
EFFICIENCY BENEFIT OF
MOTOR RENOVATION

MAXIMIZE THE CIRCULARITY
OF MOTORS

What brings EU-MORE?



EU-MORE objective

Gather data and develop a model. Use this for analysing different scenarios of policy implementations and their outcomes in terms of energy savings and GHG emission abatement.



EU-MORE objective

Promote knowledge exchange. Propose appropriate policies aimed at improving the uptake of EE motors, coupled with motor system optimisation. These can assist Member States in achieving their EE targets.



EU-MORE objective

Propose policies that stimulate system efficiency: proper motor sizing, variable speed drives, digital technology, ...



EU-MORE objective

Promote the use of recyclable, high value materials in motor manufacturing, and recover those materials at EoL, ensuring that motor renovation programs will contribute to the EU circular economy goals.



EU-MORE Activities



Background

Assessment of motor market

Policy review

Analysis of efficiency trends

Analysis of end-of-life practice

New policy development

Co-creation workshops at member-state level

EU-MORE Knowledge Exchange Platform

Tools for impact projection and monitoring

Align policies with the circular economy



JOIN THE DISCUSSION:



- **Motor Policy Forum and the Multi-Stakeholder Platform**

[EU-MORE.EU](https://eu-more.eu)

- **Online survey on barriers**

Na online survey on barriers (10 minutes) with the purpose of understanding what are the main barriers to motor replacement aimed at industrial users and auditors/consultants. The results will hopefully help customise policy recommendations.

https://www.surveymonkey.de/r/EU-MORE2023_quest



EU-MORE Partners



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