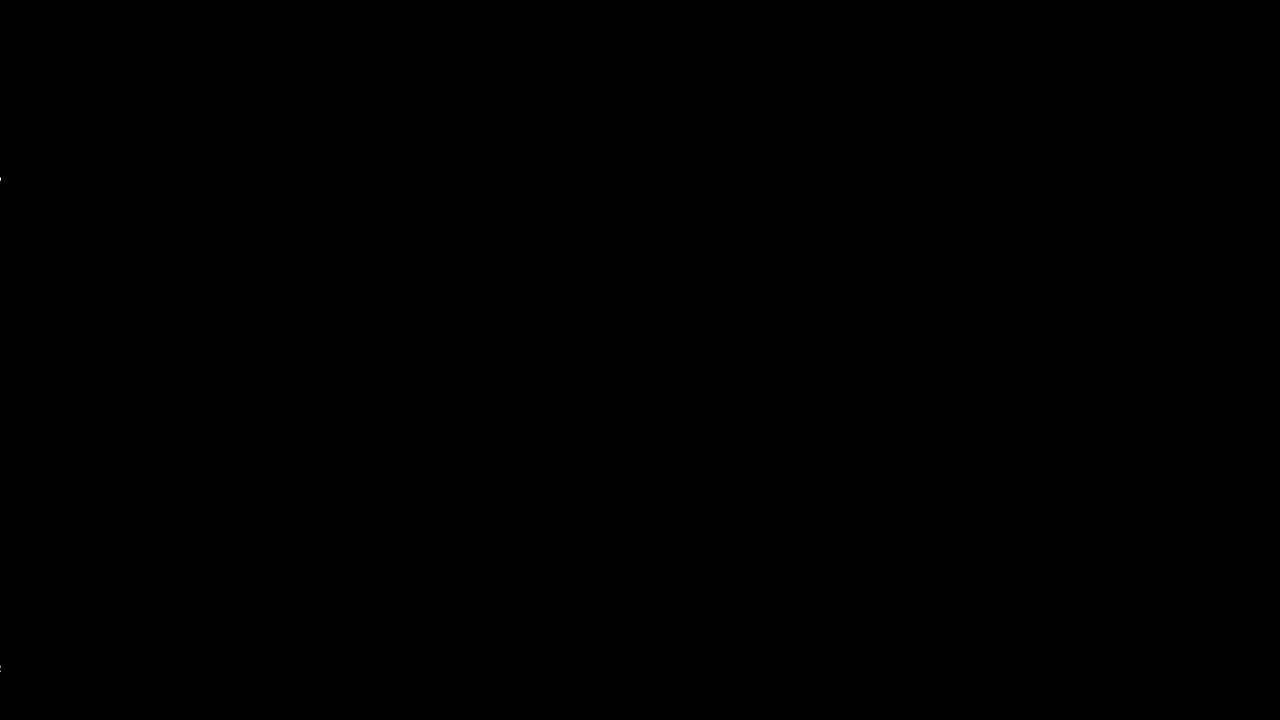
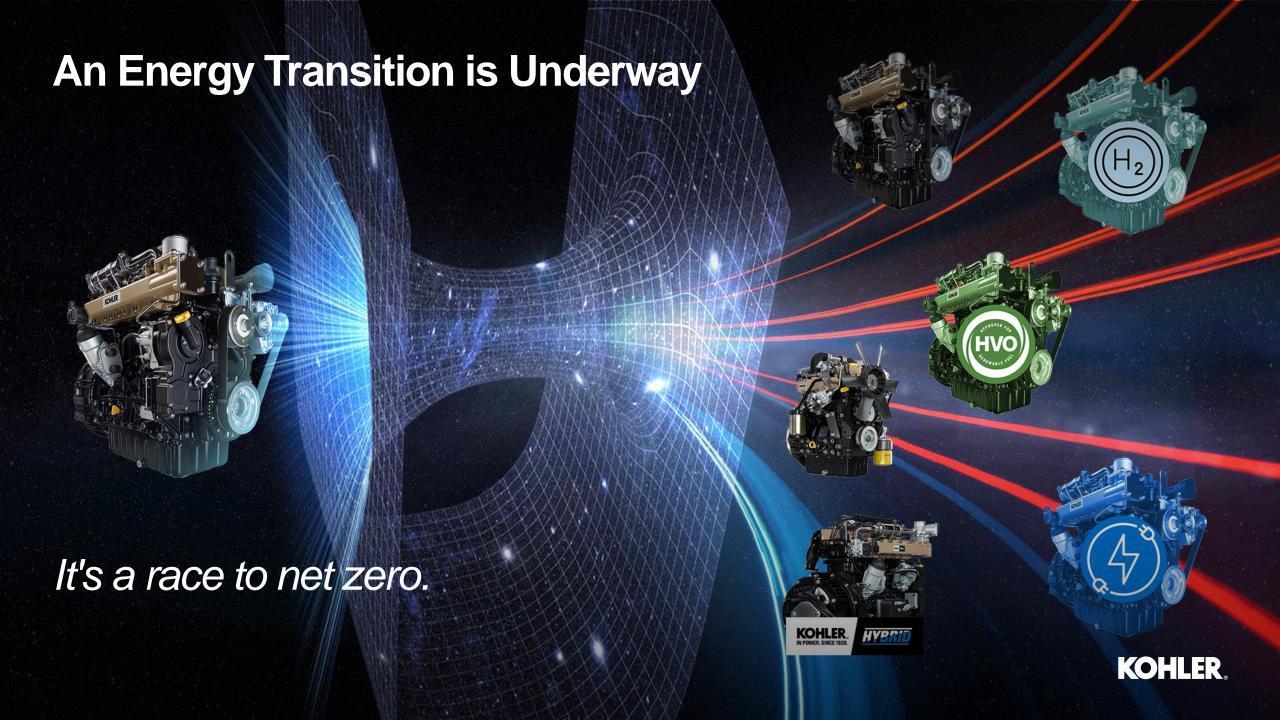




The Event Horizon

THE FUTURE OF COMBUSTION ENGINES





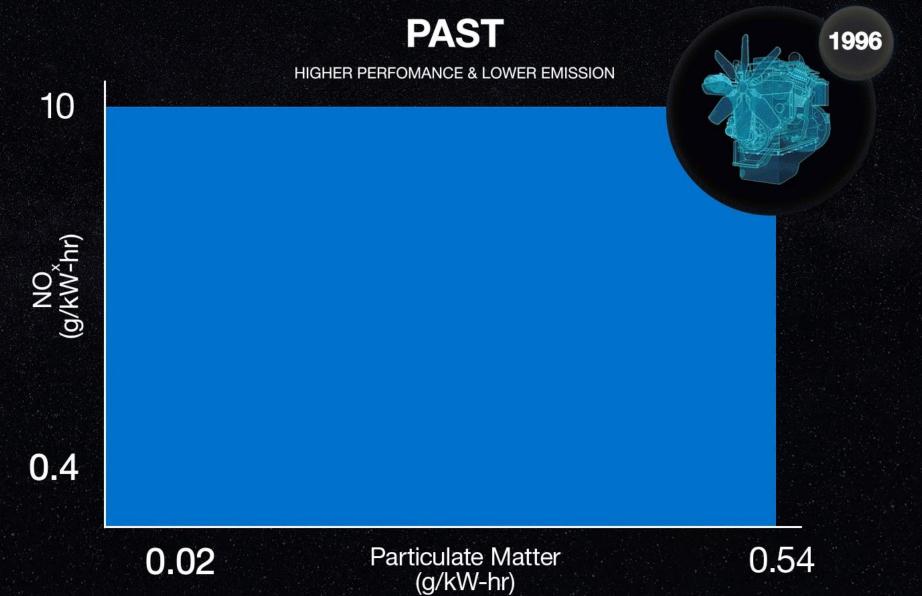
The Other Side of the Coin

USA and EU are not the whole world.

Discrepancy in access to the resources and infrastructure is a major obstacle for realizing *environmental equity* for all communities in developing areas.



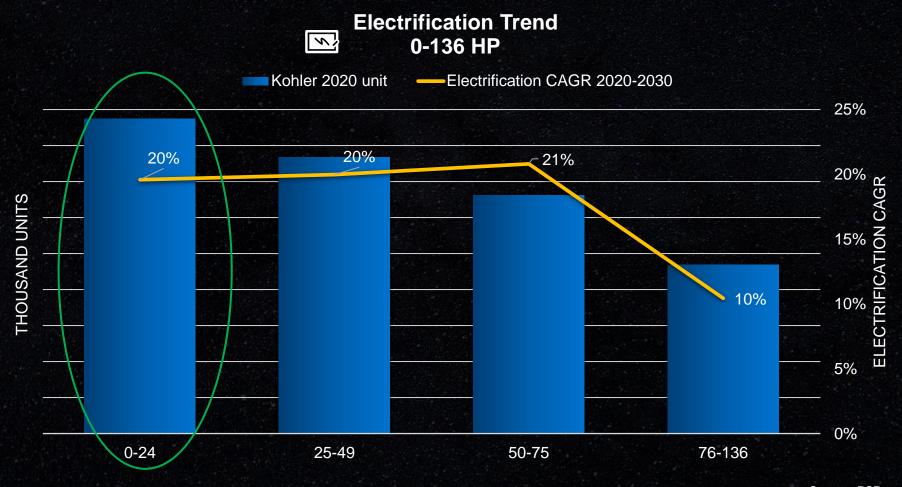
Change of Focus



KOHLER。

Small Engines in a Big Market

A unique perspective.



The trend toward electrification is strong nowadays. But not everywhere.







Source: PSR

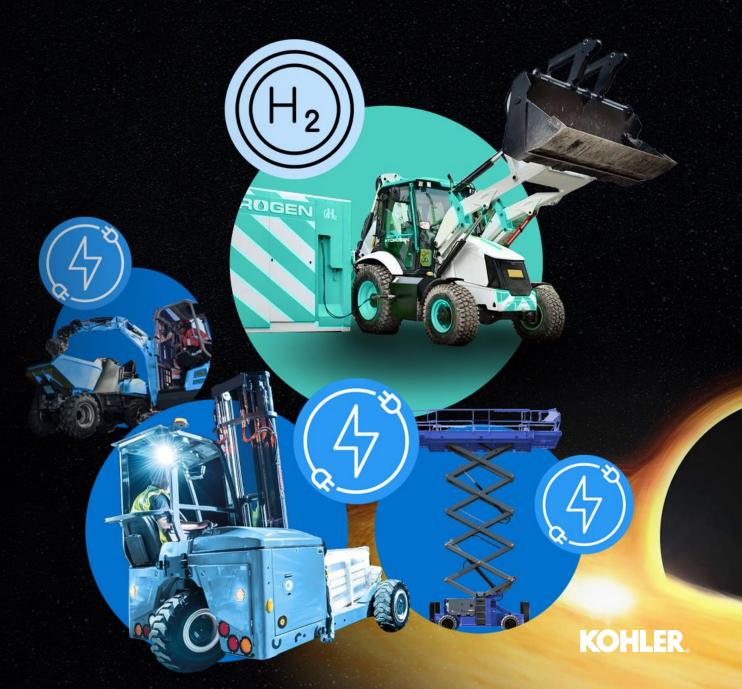


Living at the Edge

Regulatory framework and policies are an important factor, but so is the individual interest of customer groups.

Many customers, many needs, many business opportunities.

We have a responsibility to provide our customers with solutions that enable them to transition to a low-carbon future with minimal impact on their business.



Embracing the Challenge





KOHLER_®
Strategy



NATURAL GAS ENGINES











EFFICIENCY IMPROVEMENT



H2-ICE



IMPROVING APPLICATION INTEGRATION WITH OEMS

KOHLER。

Kohler's Near-Term Actions

Increasing demand for diesel engines and expanding engine production

Efficiency improvements (CO₂ reduction) in even the smallest engines

H₂ engines with same performance as diesel ones in advanced development

Natural gas and bio-gas engines under development

Hybrids

Electronic controls on small engines

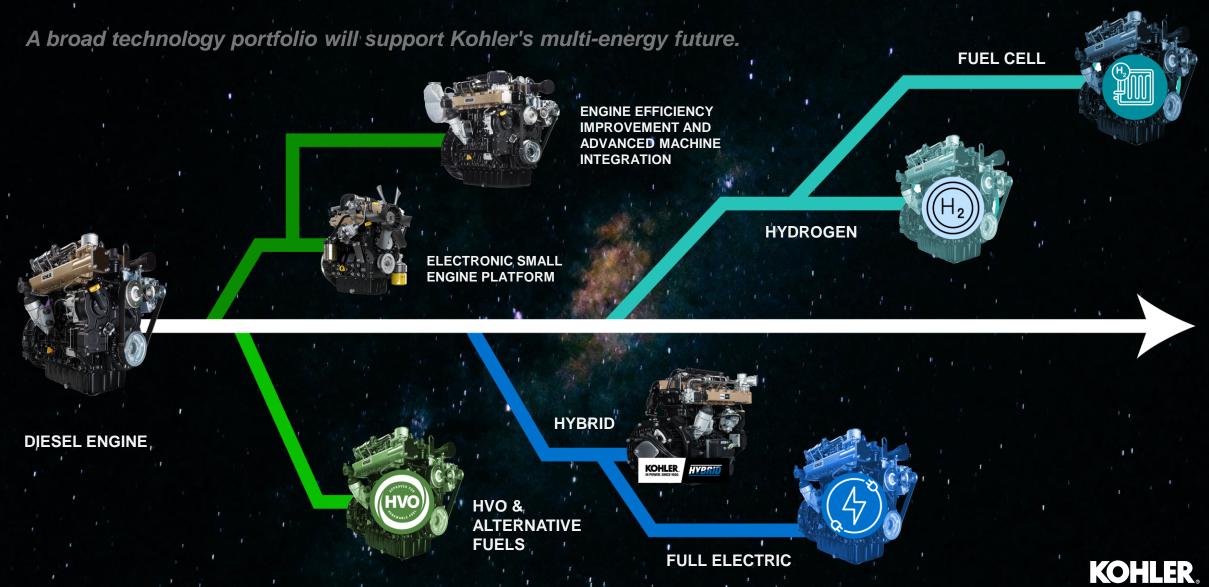




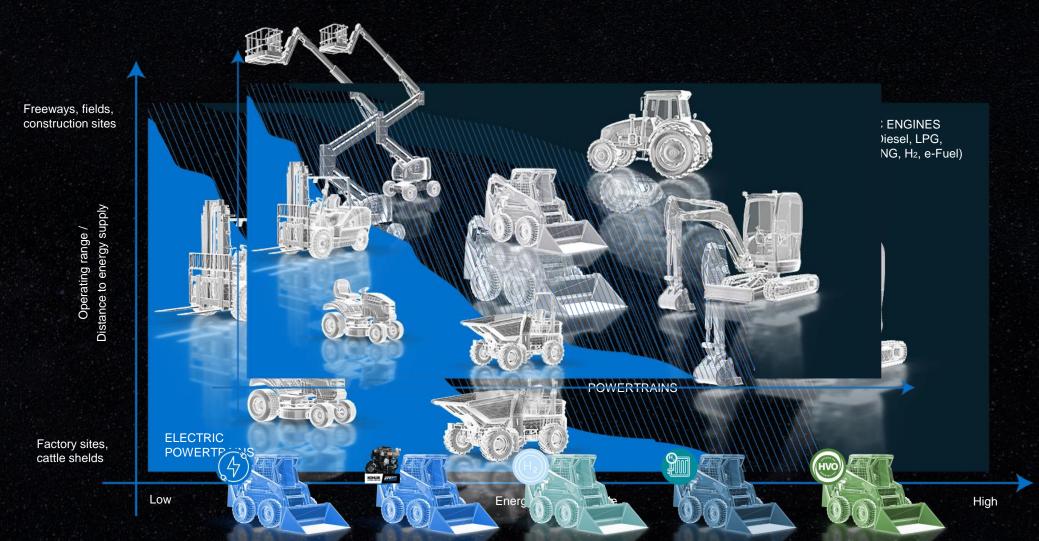




Technology Mix Approach



One fits All, or not?





Bridging Technology

New opportunities and multiple solutions for the engine.

A NEW FUEL



MACHINE TODAY



MECHANICAL OR HYDRAULIC DRIVETRAIN

H₂ ICE

DIESEL ICE E-FUEL / HVO





MECHANICAL OR HYDRAULIC DRIVETRAIN

DIESEL ENGINE



NEW MACHINE FAMILY

ELECTRIC DRIVETRAIN

DIESEL ENGINE

+

HYBRID BATTERY



H₂ FUEL CELL

HYBRID BATTERY



DIESEL ENGINE

+

PLUG-IN HYBRID BATTERY



 ${\rm H_2}$ FUEL CELL

+

HYBRID BATTERY

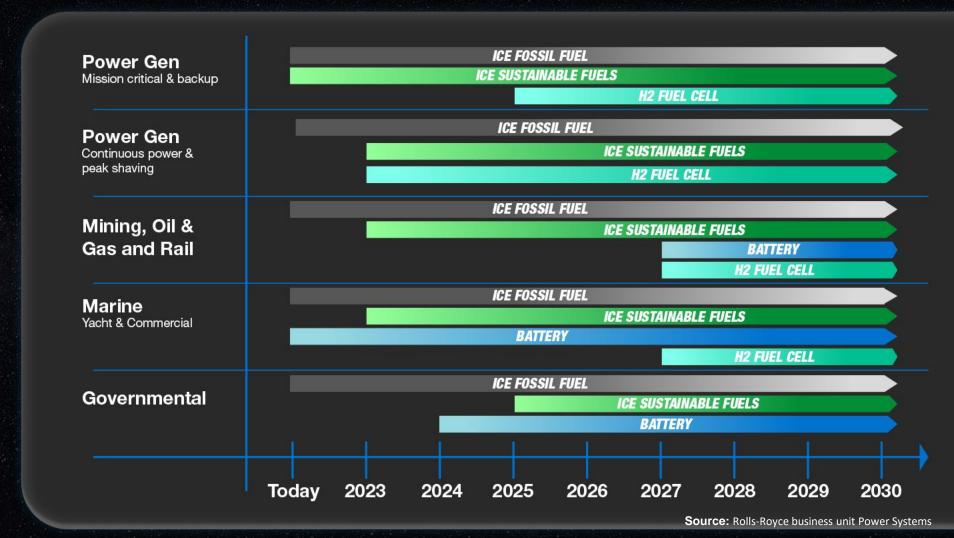


H₂ ICE



KOHLER

The Engine is not Dead



An Engine Big Bang

New galaxies to explore.



Just as the big bang gave birth to a new galaxy, we are now at a time when new technologies and new opportunities will emerge. The big bang is not a hard-and-fast beginning, but a moment of **profound transformation**, very different from what most of us could have imagined.



IC engines will play a key role in industrial applications for a long time to come, especially in those applications where there is a high demand for mechanical power and energy.



We are rising to the challenge. We continue to invest in **power solutions**, even in the smallest kW ranges, offering the best experience – the Kohler experience – to our customers, regardless of their specific needs.



