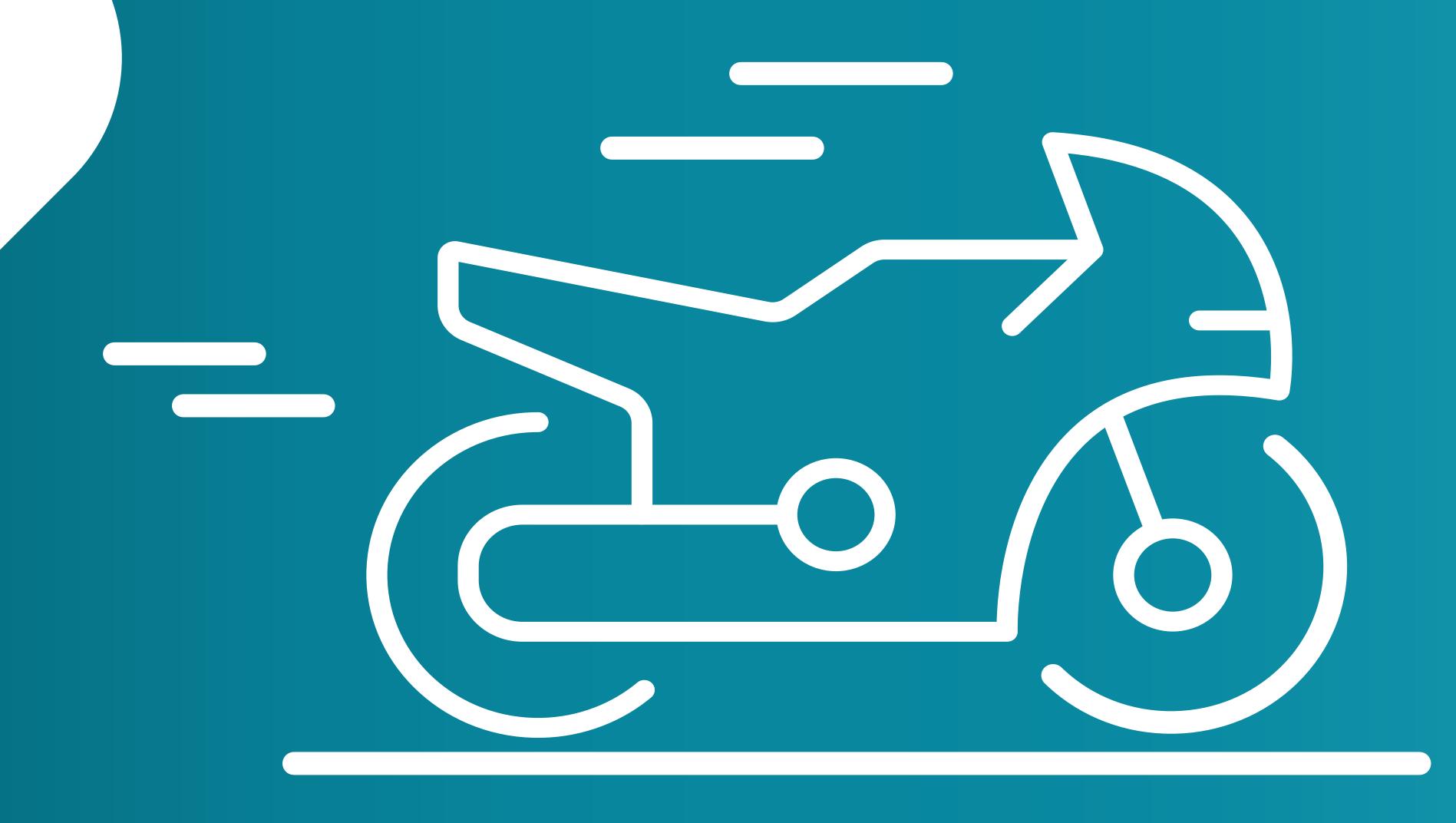


2-WHEELERS

EVOLUTION VS. REVOLUTION IN A CHANGING MARKET



To evaluate which path to follow in an evolving market, a deep understanding of the 2-wheeler industry & customer requirements is crucial

KEY QUESTIONS



What is the current status of the global 2-wheeler market?



What are the global and local trends affecting the 2-wheeler industry?



Which technologies will drive future growth in the 2-wheeler landscape?



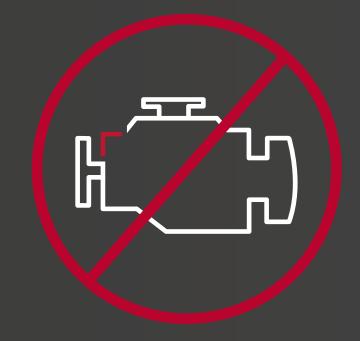
How will product portfolios have to evolve to satisfy customers' demands?



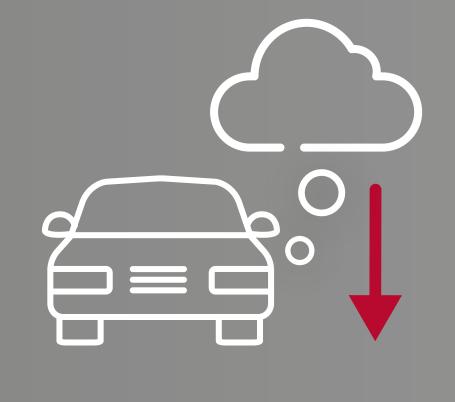


Two-wheeler OEMs and suppliers are facing increasing pressure from regulatory authorities and end-customers...

REGULATORY & CUSTOMER PUSH



FOSSIL FUEL VEHICLE BANS



EMISSIONS REGULATIONS TIGHTENING



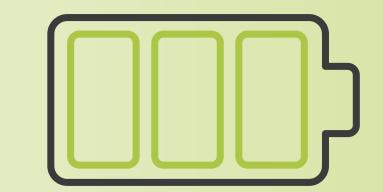
CUSTOMER REQUIREMENTS



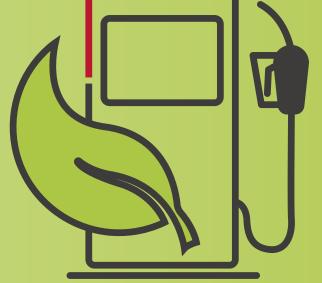
...to further drive the technology advancement of their vehicles while keeping an eye on sustainability

INDUSTRY APPROACH

REVOLUTIONARY APPROACH



Electrification

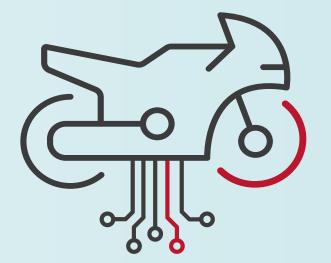


Alternative fuels

EVOLUTIONARY APPROACH



Powertrainimprovements



Smart, connected motorcycle



Customer demands from 2-wheeler users can be summarized within two main categories with significantly different needs and requirements



TYPICAL USAGE PROFILES

2W WORKER / COMMUTER



It's all about the business case



TCO

Basic requirements



Daily urban rider





TCO: Total Cost of Ownership

Customer demands from 2-wheeler users can be summarized within two main categories with significantly different needs and requirements



TYPICAL USAGE PROFILES

Mainly >400 cc

ENTHUSIAST



Performance before price



It's all about performance

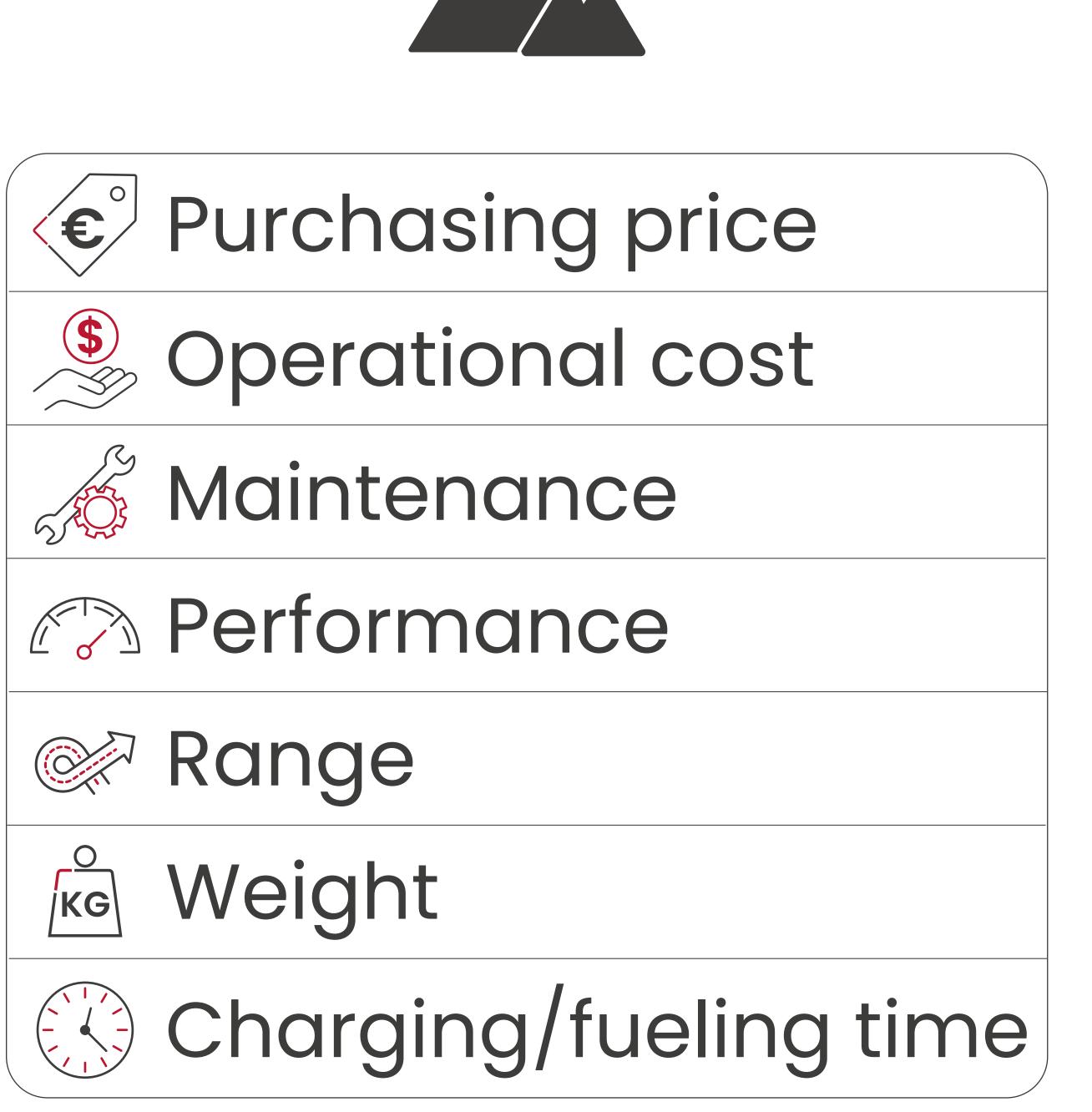


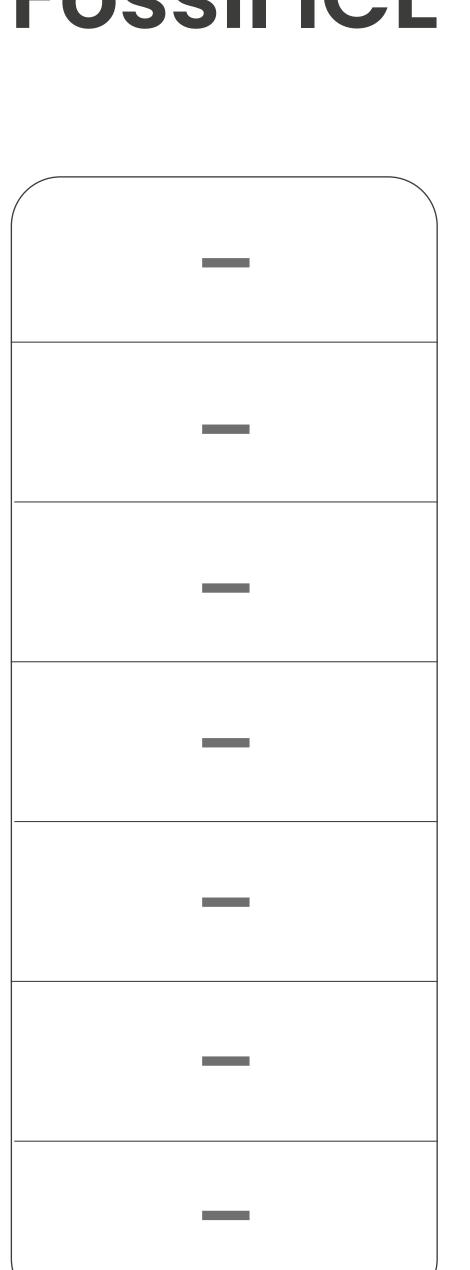
The long way around

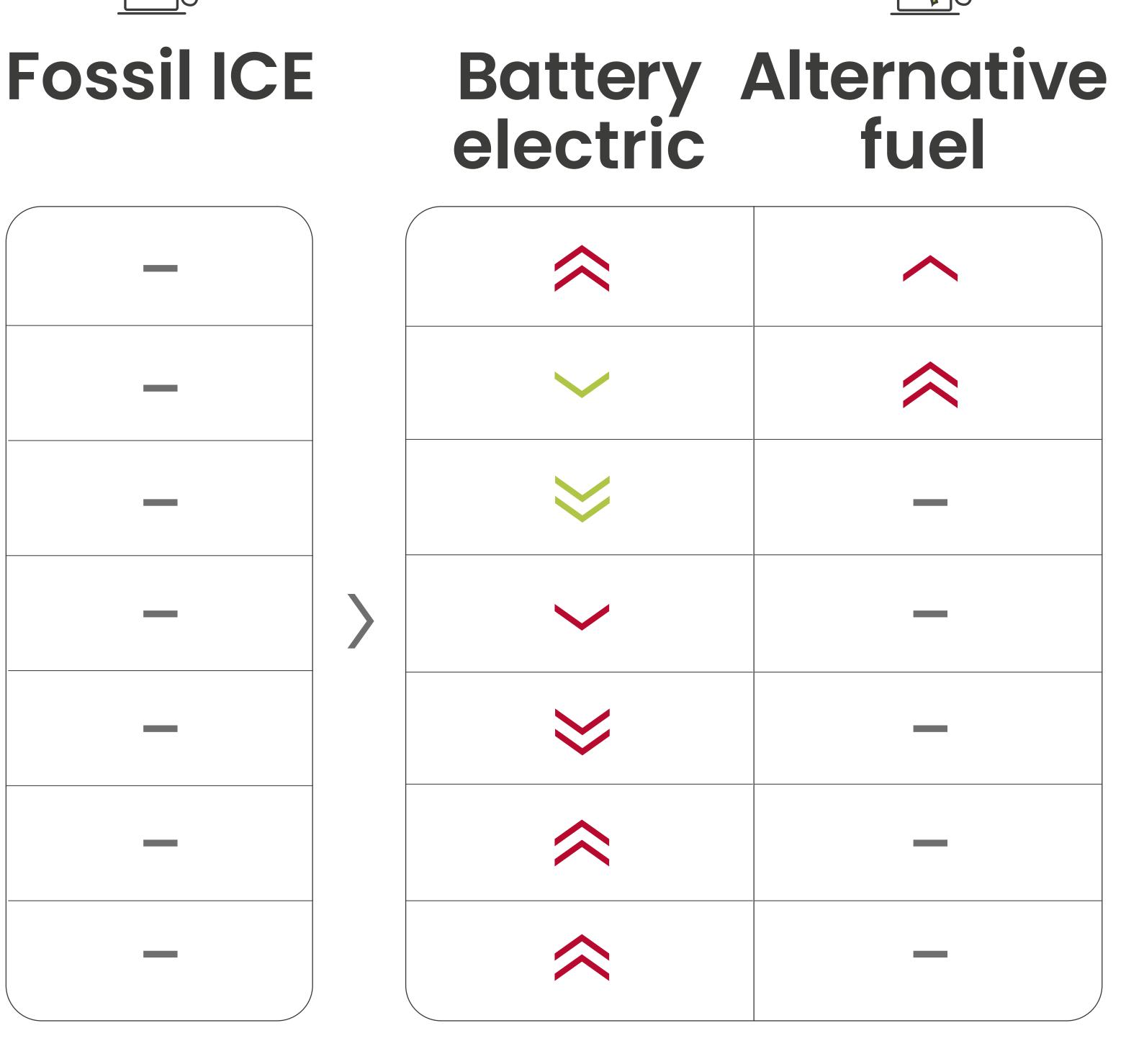


OEMs and suppliers currently have two possible alternatives to replace fossil fuel powertrains in the 2-wheeler industry...

REVOLUTION: NEW POWERTRAIN DEVELOPMENT







Two main alternatives

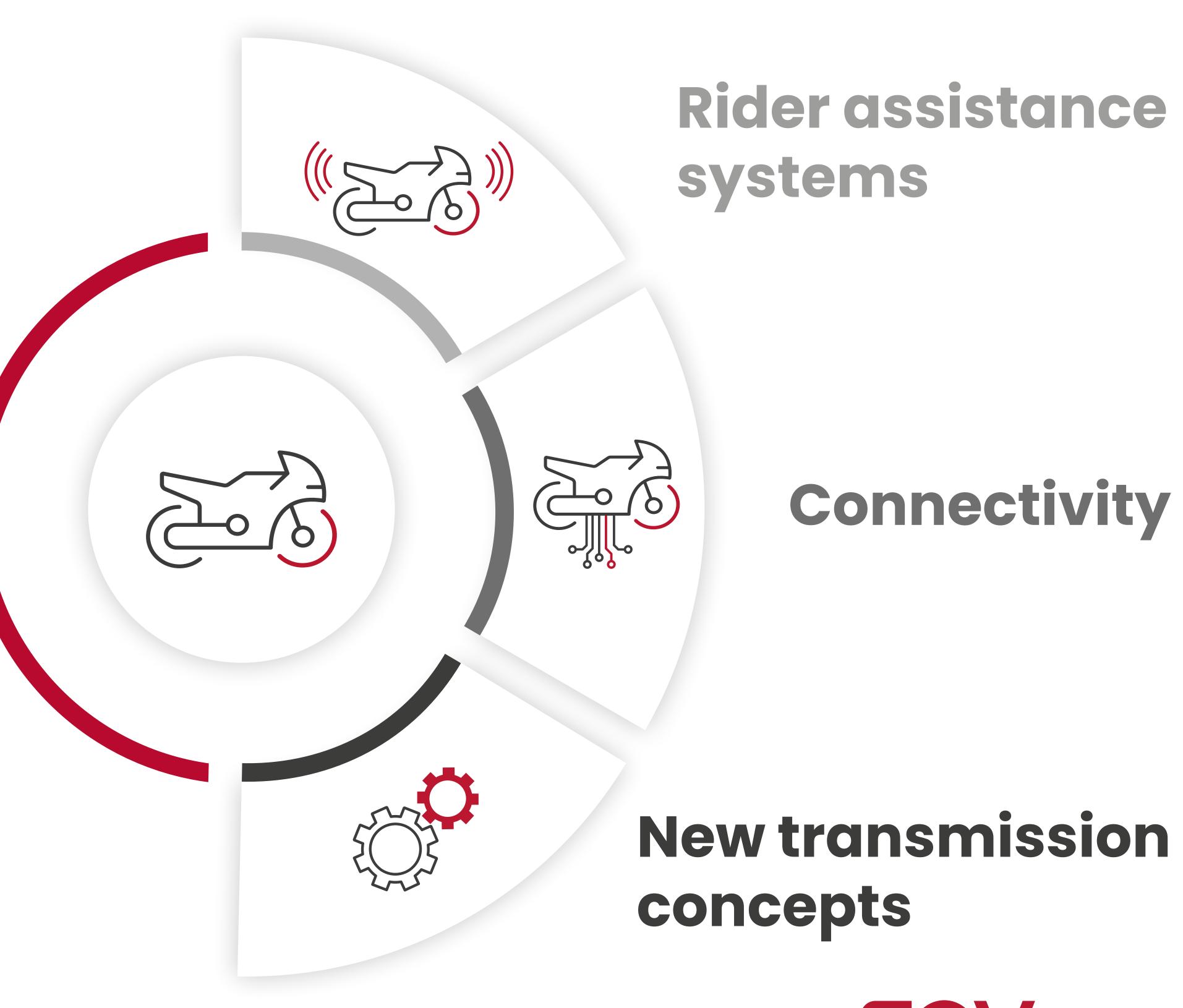


...in parallel, they have to constantly update their technology offerings while ensuring compliance with the latest emissions and safety standards

EVOLUTION: IMPROVEMENT OF EXISTING TECHNOLOGY

UPDATE TO EU5

OEMs and suppliers are constantly improving their engines and aftertreatment systems to comply with the latest emissions regulations in most developed countries





FEV Consulting understands the challenges of the 2-wheeler market and can support you in shaping your business for success

FeV

CONSULTING

YOUR CHALLENGES

MARKET PULL

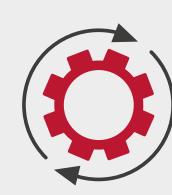


Market development



Customer needs

TECHNOLOGY PUSH



Solutions & trends



Competitors & substitutes



Connectivity & digital services

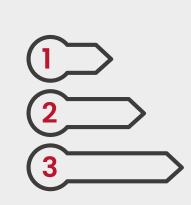
OUR SOLUTIONS



Strategic & technological advice



Analysis of market environment & business model generation



Supply chain analysis & technology roadmap creation



Benchmarking & strategic costing



GET IN TOUCH WITH US!





MIRKO
ENGELHARD
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