

nanoFLOWCELL®

NEW ENERGY

FOR A SUSTAINABLE WORLD ORDER

THE WORLD IS AT ITS TIPPING POINT

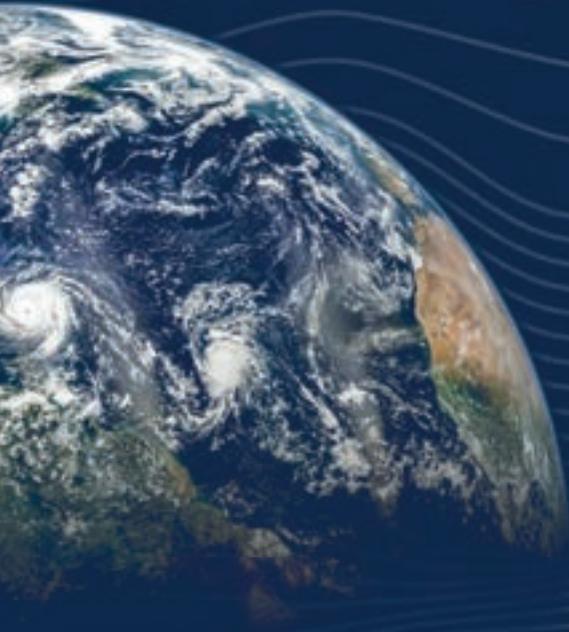
60.7 *percent*

of CO₂ in EU comes from
transportation

475 *giga tons*

of pole ice melted in 2006,
ultimately due to increased
CO₂ emissions





Transport is Europe's #1 source of CO₂, which accelerates climate change. While the debate over individual economic freedom versus eco-responsible behaviour continues, the world reaches a state of severe imbalance.

32 *cm*

rise of sea level till 2050 if current climate trend continues

1 *world*

to live in

RENEWABLE ENERGIES MADE MOBILE...

We have created a new form of energy storage to make renewable energy sources mobile:

nanoFlowcell® – sustainable power for mobile and stationary use.
With the convenience of “as usual”.





...FOR A MOBILE WORLD

Our flow cell fuel bi-ION[®] is made of renewable energies

- no harmful emissions
- non-toxic
- fully sustainable
- uncompromisingly safe
- convenient to use

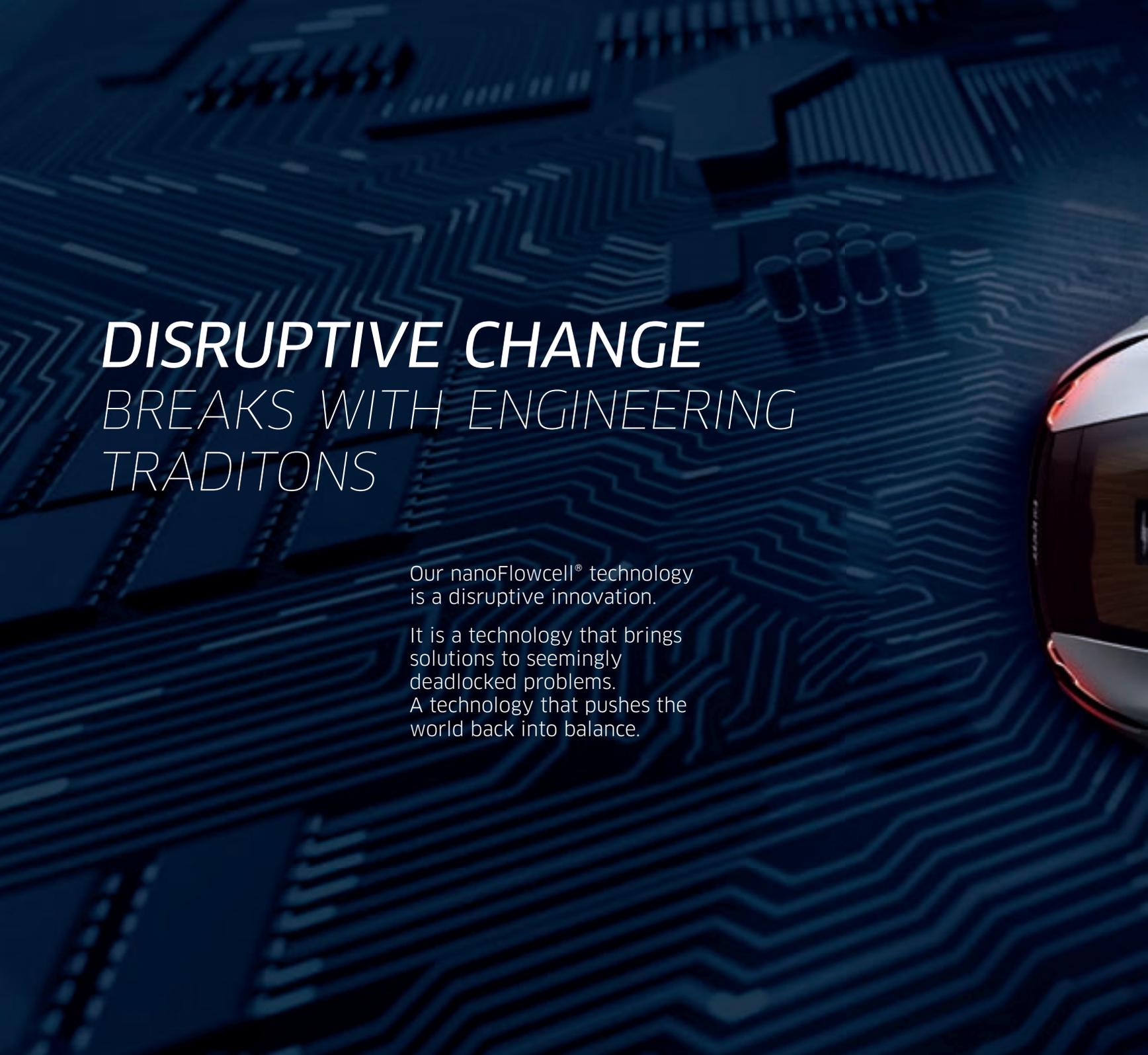
QUANT 48VOLT

POWERED BY NANOFLOWCELL





ZERO COMPROMISES
FOR A NEW GENERATION OF CAR ENTHUSIASTS



DISRUPTIVE CHANGE BREAKS WITH ENGINEERING TRADITIONS

Our nanoFlowcell® technology
is a disruptive innovation.

It is a technology that brings
solutions to seemingly
deadlocked problems.
A technology that pushes the
world back into balance.

QUANT 48VOLT



BUSINESS AS USUAL

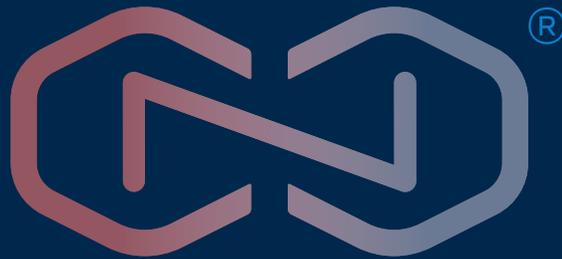
*EVERYTHING ELSE WILL BE
DIFFERENT*

A futuristic electric vehicle charging station is shown in a close-up, low-angle shot. The charging nozzle is a sleek, metallic grey with a prominent, glowing red light on its handle. A thick, vibrant stream of liquid, split into red and blue, flows from the nozzle. The background is a dark, reflective surface, possibly the car's body, which shows a faint reflection of the nozzle. The overall aesthetic is clean, modern, and high-tech.

Imagine electric vehicles that
can be fueled in minutes. With
eco-friendly fluids. Produced
from renewable energies.
Non-harmful power. For some
of the fastest EVs on earth.

BI-ION

THE NEW GREEN IS RED AND BLUE



With bi-ION® we managed to turn regenerative energies into chemical energy for easier transportation.

Specially nano-structured molecules make our bi-ION® electrolyte a powerful flow cell fuel.

However, in contrast to other energy carriers, bi-ION® is non-toxic, non-explosive, as well as safe and convenient to handle. Above all, bi-ION® is fully environmentally sustainable.

bi-ION® offers uncompromising ecological and economic qualities – for a society relying on clean energy.



FOR GENERATIONS TO





COME

*WHO SAYS THAT EVERY
MEANINGFUL INNOVATION
NEEDS A TRANSFORMATION
IN BEHAVIORS TO CREATE
REAL VALUE?*

Our cars will be electric
Our fuel will be electrolytes
Our energy will be renewable
Our mobility will be sustainable

Technological change made easy.
nanoFlowcell®

nanoFLOWCELL[®]

AGAINST THE FLOW





*FLOW CELLS WILL BECOME
THE BASIC MEANS OF HOW
WE CONSUME ENERGY.*

Intrinsically safe and sustainable electricity for industry and household applications. Versatile and scalable to fit almost any application's needs: off-grid power for single households, large business parks or to protect our grid-based critical infrastructure.

nanoFlowcell® flow cells provide true sustainable power for our mobility and transportation needs on road, rail, sea, and in the air, without creating any harmful emissions or demanding false compromises.

NANOFLOWCELL

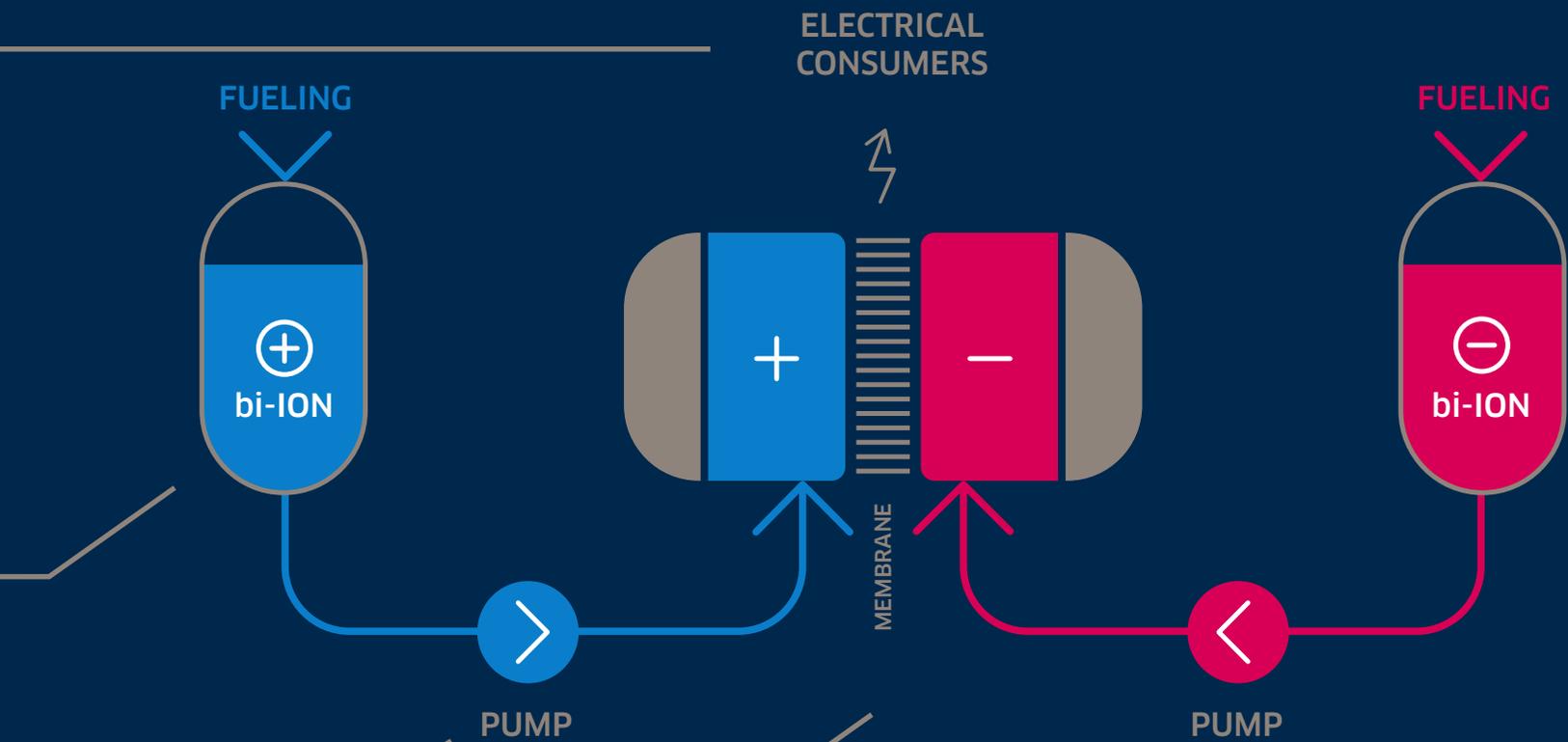
FOR ENERGY MOBILITY AND SUSTAINABLE ELECTRIC MOBILITY

Used bi-ION[®] is first filtered and then vaporized while driving. When the tanks are empty, they can be re-fueled with bi-ION[®] in minutes.

The bi-ION[®] electrolyte liquids are not stored in the cell itself, but in separate tanks. They are fully flexible in size and shape without cost multiplication.

The liquids will be pumped through the actual reactor of the nanoFlowcell[®]. Only a thin, porous membrane separates the positive and negative bi-ION[®] liquids.

At the membrane, positive and negative ion exchange occurs between both liquids, creating a flow of electric current.



The nanoFlowcell® is an electrochemical cell that transforms chemical energy into electricity.

QUANT

nanoFLOWCELL

48VOLT





VOLTS DOWN PERFORMANCE UP

Our nanoFlowcell 48VOLT electric drive system is challenging traditional engineering beliefs. While in conventional EVs high voltage drives of 400V and more are technical standard, we have developed the world's first road legal low-voltage drive system for high performance electric vehicles.

Without expensive and heavy high-voltage components, we could increase power to weight ratio and reduce overall product costs. Low voltage means intrinsic electrical safety formerly unknown to EVs. And above all the nanoFlowcell 48VOLT low voltage electric drive makes the fun of e-power become more intense.

Innovation that makes sense - nanoFlowcell 48VOLT drive

ON THE SAFE SIDE OF LIFE

We went the extra mile to not only create a new energy but paired it to the world's best EV-drive.

Our QUANT prototypes demonstrate that the nanoFlowcell 48VOLT low-voltage drive is the best road-performing and most ecologically and economically efficient energy & drive system that has been installed in road-legal electric vehicles today.





LANCIA

NUNZIO LA VECCHIA

TO SOME IT IS AN
EXPRESSION OF PRESTIGE...







A silver sports car is shown from a low-angle, front-quarter perspective. The car's license plate reads 'WT Q 2017'. In the background, a modern building with a grid of windows and dark doorways is visible. The scene is set on a paved surface, possibly a parking lot or a street. The overall lighting is soft, suggesting an overcast day or early morning/late afternoon.

*...TO OTHERS A
SENSE OF RESPONSIBILITY*

BUCKLE UP!

QUANT 48VOLT – THE NEW E-MOBILITY



560 kW (760hp) power | 0 to 100 km/h in 2.4 sec | 300 km/h top speed

QUANT 48VOLT is no sports car. It is an attitude that says, "you can have it all, without making compromises".

Exhilarating propulsion without harmful emissions.

Benchmark for environmental sustainability performance.

True engineering innovation.



1,000 km range | QUANT 48VOLT - super sports reality

QUANTINO 48^{VOLT}

PUSH FURTHER
TRY HARDER
DO BETTER





POP THE HOOD

5 *seconds*

to accelerate from 0 to 100km.



08:21 *hours*

for 1,000km. World's first EV that
combines range and speed.



350,000 kilometers

test drive to gain real life insights
into the most stunning EV
technology to date

54 tons CO₂

avoided during test drive, because the car
produces no harmful emissions

LIFE IS TEACHING US

350,000 KILOMETERS REAL-LIFE TESTING



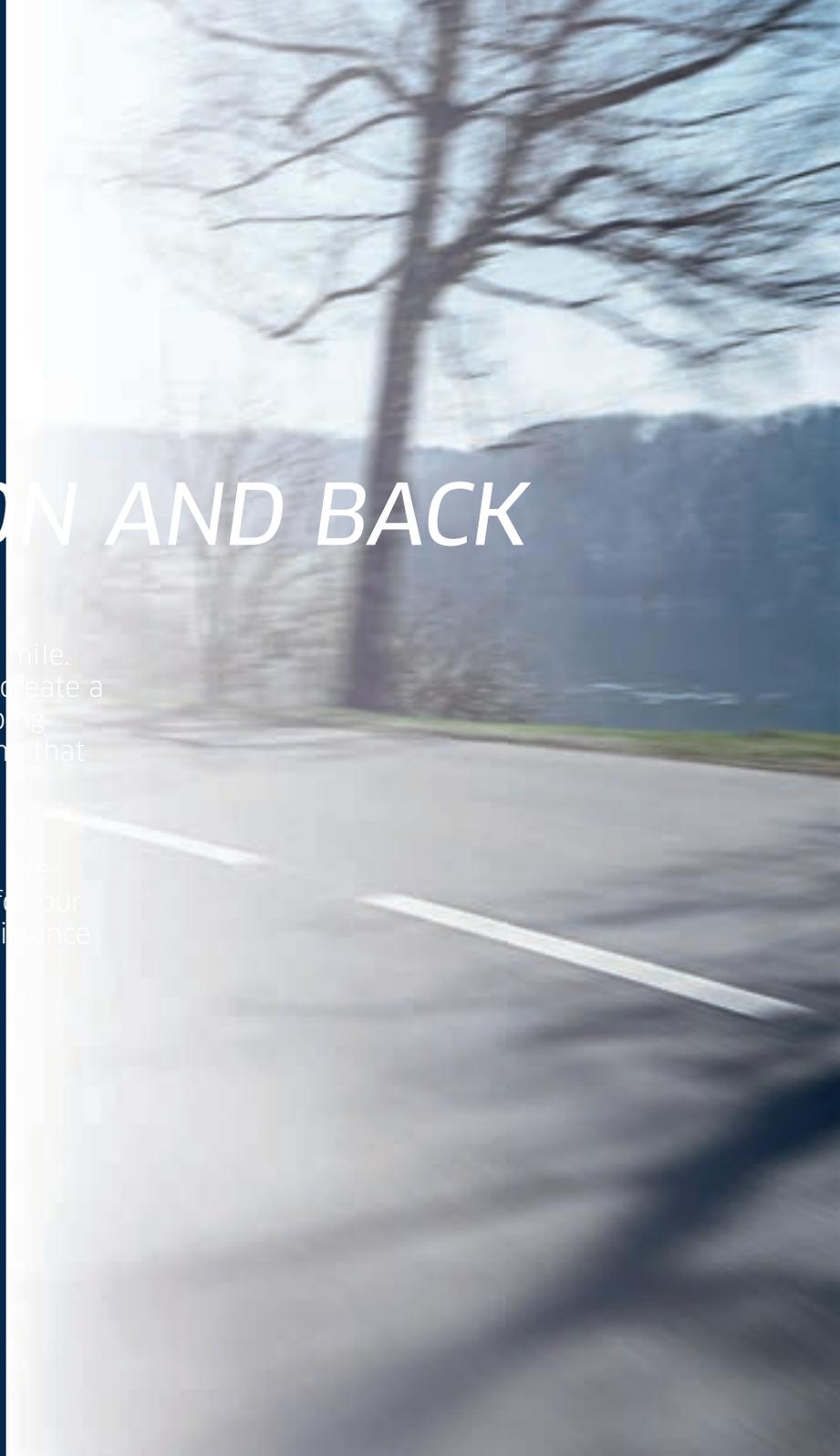


Throughout the endurance testing with the QUANTINO 48VOLT its nanoFlowcell® low voltage drive system is working faultlessly and almost maintenance free, making it one of the most stable EV drive systems in the world.

TO THE MOON AND BACK

We are a company that goes the extra mile. Searching for sustainable solutions to create a positive future for our planet. Developing world-leading innovations. With a team that has an absolute can-do spirit.

Durability is part of our sustainability thinking. For example, we guarantee a life span of over 50,000 operating hours for our nanoFlowcell®. This equals twice the distance to the moon and back in kilometers.





350'000 KM TEST
FLOW CELL POWER

BHON

350'000 KM TEST
FLOW CELL POWER

WT Q 2016



48V

WE CAN CHANGE THE WORLD!

Not overnight, but in trying to do so every day anew. We have a vision for the future, a vision for our global society, that will be based entirely on renewable energies.

Pollution and climate change have the world at its tipping point. Now is the time to make a difference to the future of our planet.

We are developing the means to take urgent action on climate change, so that it can support the needs of present and future generations.

To protect the planet from degradation, and to support humanity not only survive but flourish, it sometimes takes disruptions that challenge traditions, habits and beliefs. For us, nature itself is that disruption.







A close-up, grayscale photograph of a car's rear wheel and side panel. The wheel is a multi-spoke alloy design. The side panel is white and features the text 'TUTTI LI VECCHI' in a stylized font. The background is a blurred asphalt surface.

We love cars, and we are concerned about the future of mobility, but we don't identify as a car manufacturer.

As a Swiss-based research and development company for energy innovations, we see it as our duty to lead the world into a brighter, more sustainable future – as an industry partner for eco-friendly and sustainable energy solutions.

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QUANT 48^{VOLT}

