2022

Environmental Report

We recognise that all businesses are under commercial and environmental pressure to deliver cost effective and sustainable solutions that make a positive contribution to the environment.

Vaculug's full life policy enables you to achieve these objectives in a managed and controlled manner.

In 2022, by purchasing Vaculug retreads, Monks Contractors LTD saved the following resources:

Oil	48,620 l
Rubber	21,450 kg
CO_2	36,180 kg
Steel	14,300 kg

Managing fleet tyres the sustainable way

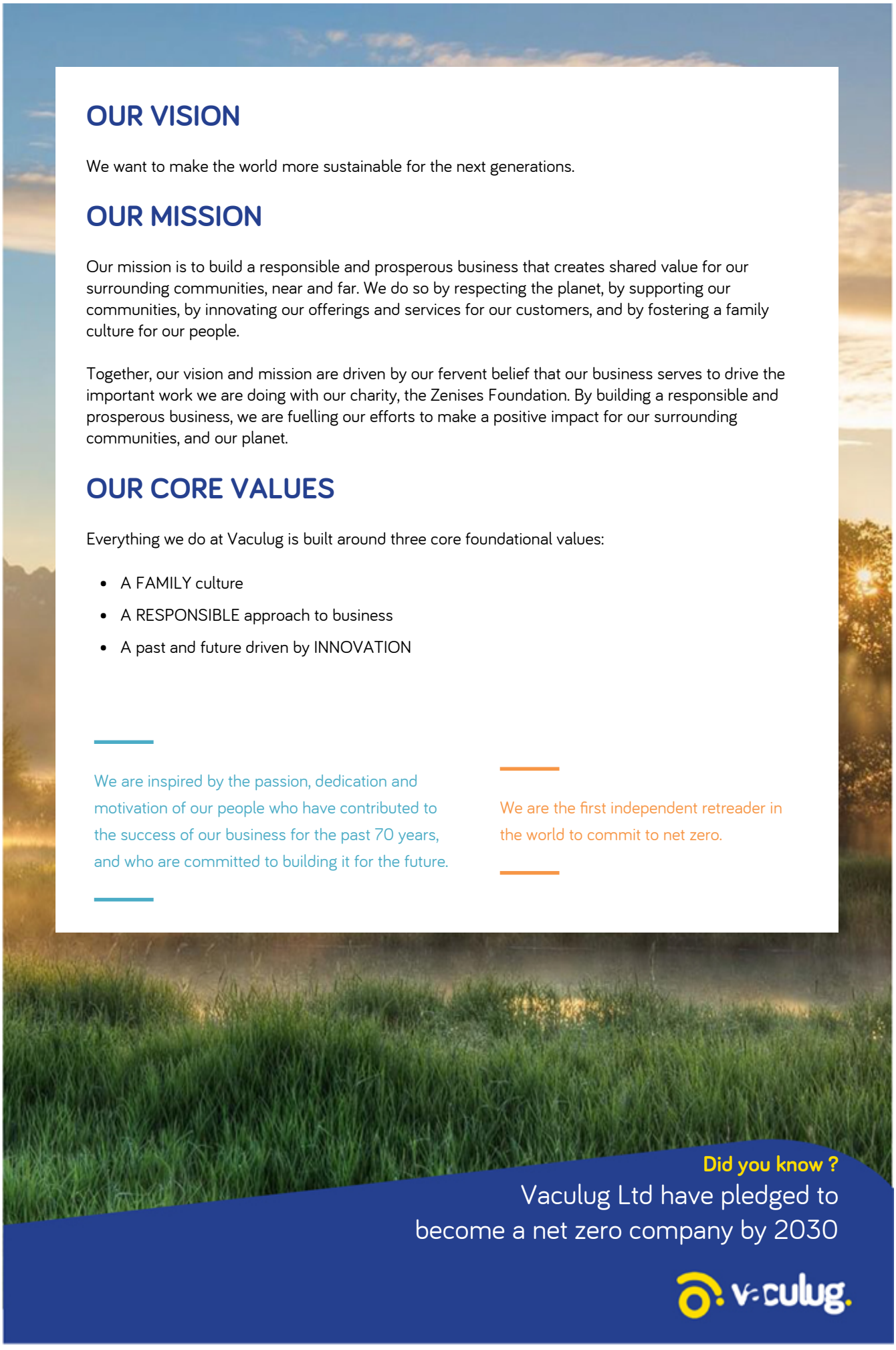
#sustainablethinking

REDUCING YOUR IMPACT ON THE ENVIRONMENT ONE RETREAD AT A TIME

We here at Vaculug recognise that all businesses are under commercial and environmental pressure to deliver cost effective solutions that make a positive contribution to the environment.

Vaculug's full life policy enables you to achieve these objectives in a managed and controlled manner.

	Remoulds Fitted	Oil Saved (l)	Rubber Saved (kg)	Steel Saved (kg)	CO_2 (kg)
January	50	3,400	1,500	1,000	3,000
February	84	5,712	2,520	1,680	5,040
March	132	8,976	3,960	2,640	7,920
April	45	3,060	1,350	900	2,700
May	81	5,508	2,430	1,620	4,860
June	64	4,352	1,920	1,280	3,840
July	22	1,496	660	440	1,320
August	39	2,652	1,170	780	2,340
September	41	2,788	1,230	820	2,460
October	45	3,060	1,350	900	2,700
November	64	4,352	1,920	1,280	3,840
December	48	3,264	1,440	960	2,880



OUR VISION

We want to make the world more sustainable for the next generations.

OUR MISSION

Our mission is to build a responsible and prosperous business that creates shared value for our surrounding communities, near and far. We do so by respecting the planet, by supporting our communities, by innovating our offerings and services for our customers, and by fostering a family culture for our people.

Together, our vision and mission are driven by our fervent belief that our business serves to drive the important work we are doing with our charity, the Zenises Foundation. By building a responsible and prosperous business, we are fuelling our efforts to make a positive impact for our surrounding communities, and our planet.

OUR CORE VALUES

Everything we do at Vaculug is built around three core foundational values:

- A FAMILY culture
- A RESPONSIBLE approach to business
- A past and future driven by INNOVATION

We are inspired by the passion, dedication and motivation of our people who have contributed to the success of our business for the past 70 years, and who are committed to building it for the future.

We are the first independent retreader in the world to commit to net zero.

Did you know ?

Vaculug Ltd have pledged to become a net zero company by 2030

WHAT MAKES REMOULD TYRES A MORE SUSTAINABLE SOLUTION?

Our professional repair service covers all sizes of commercial vehicle tyres and following a careful examination, we carry out repairs in line with BS AU 159f.

We also repair off-the-road tyres.

We take a worn tyre of good structural integrity, completely renewing the tread and sidewall rubber of the tyre.

There are 6 key stages to our retreading process:

Initial Inspection, Buffing, Preparation, Building, Curing and Final Inspection.

We perform 8 quality checks to ensure the rebuilt tyre has no defects and is fully fit for service. Our retread tyres are produced to ECE109 standards which is the same as with new tyres.

Our systems provide a complete record of each stage in the remanufacture and we have invested in the latest retreading technology, including 12-segment, high-pressure moulds and inflation testing to 150 psi.

Those that fall outside of our reuse parameters are sent to our environmental partner (Murfitts Industries) where, after processing, all the component parts of the tyre are recycled and reutilised.

VALUE WE CREATE FOR PEOPLE, PLANET & PROFIT

PEOPLE

Taking care of our family of 160 employees and growing



PLANET

Respecting the environment



PROFIT

Building a responsible business





CREATING VALUE FOR OUR STAKEHOLDERS

Committed to quality & excellence



OUR COMMUNITIES

We support several initiatives through our social impact partner the Zenises Foundation, aimed at improving quality of life for people and communities, near and far. Over 100 scholarships funded, in the UK and India, and over 125,000 people fed (at a single day event).



REPAIR REUSE RECYCLE

Vaculug work with Murfitts Industries, the UK's largest tyre recycling operation, to ensure that 100% of every truck tyre is repurposed. Combining the savings we make through recycling and what we save through our retreading process we have achieved the following savings:



7,774,182 kilograms of rubber



2,905,720 kilograms steel



22,760,960 kilograms of CO_2



6,069,068 litres of oil

Through our recycling programme with Murfitts, all the rubber that is recycled is repurposed in two primary ways. The first use sees the rubber turned into rubber crumb which is then used to make various products. In the second scenario, rubber crumb goes back to tyre manufacturers who then use it to make new tyres. In both scenarios, end of life tyre rubber that was otherwise destined for landfill is put to good use.

*savings based on Murfitts recycling and the avoided CO_2 and raw materials through retreading compared to the manufacturing of a new tyre

OUR COMMITTMENTS FOR THE NEXT 3 YEARS

- We are committing to updating and publishing our Sustainability Report on an annual basis, to report on our progress and to inform our stakeholders along the way.
- We are working with third-party advisors to develop our Sustainability Strategy and Road Map, outlining our plans for the next three years.
- We will monitor the alignment of our work with the Tire Sector SDG Roadmap.
- We are committing to tying performance on key ESG metrics to executive renumeration from 2023.
- We will put processes in place to coordinate and collect ESG data, for the purpose of developing annual sustainability assessments and reporting.
- We will continue to develop, improve, and implement our standalone ESG policies, including our Code of Ethics.
- We will put processes in place to ensure due diligence on the part of our suppliers and business partners.

With our bespoke fleet management system and team of dedicated experts, we currently manage the tyres of more than 33,000 commercial vehicles belonging to more than 220 fleet operators across the UK.

In 2022, we processed over 250,000 tyres, representing 25% increase compared to 2020.

Did you know ?

Vaculug have a 0% truck tyre to landfill policy

STEPS WE'VE TAKEN TO REDUCE OUR CARBON FOOTPRINT

Lighting - We have fitted LED lightbulbs in all areas of a factory.

Maintaining machinery - We work hard to maintain and look after our machinery. One of our Autoclave curers is 70 years old.

Company cars - All of our company cars are either hybrid or fully electric.

Innovation - We have developed a special thermal insulation system which reduces gas consumption by 27% and carbon emissions by 950 tonnes per annum.

Reduce gas use - We have invested in a new heating control mechanism and our advanced production techniques have reduced cure time.

Driving standards - Our vehicles are Euro 6 and have automatic gearboxes both of which reduce emissions. The vehicles are also fitted with telematics and driving standards are actively monitored.

Reducing fuel -Unlike some manufacturers, we collect casings at the same time as making deliveries, thereby reducing fuel usage.

Efficient planning - Our delivery routes are reviewed every year to ensure we have the most efficient route plan.

Reduced materials - A typical Vaculug retread uses 76 litres less oil and raw materials than an equivalent new tyre.

Recycle - We recycle 100% of our non-tyre waste with a zero general waste to landfill policy.

Fewer emissions - Retread tyres generate 70% less carbon dioxide than a new tyre.

Reduced tyre waste - A retread policy can reduce tyre waste by up to 50%.

Recycled materials - We work closely with Murfitts Industries to recycle our rubber waste which is used in sport stadiums and children's playground surfaces.

One Life One Tree - We are proud Patrons of the One Life One Tree - The Sequoia Project.

OUR CORPORATE SOCIAL RESPONSIBILITY

Reducing, reusing, and recycling tyres is key to our business operations, but it is not the extent of what we do. We understand that it is our responsibility to be a good corporate citizen that is guided by integrity.

In 2021, we joined the UN Global Compact to contribute to the global effort to address the many environmental, social, and economic challenges facing the world today.

Guided by the UN SDGs (Sustainable Development Goals), we know that it is in the best interest of our company to contribute to the global goals and to be part of the solution. When it comes to the environment, through our everyday business operations and our #SustainableThinking focused decisions we are whole-heartedly invested in and committed to building a responsible business and taking care of our planet for future generations.

We understand the importance of supporting our community and those who are in need, that's why we launched our Oneness Initiative. The initiative aims to deliver an education to those with no means of accessing one. Vaculug bought a car to support the initiative so that teachers could be driven to remote villages and deliver lessons.

What we've been working on:

- Refurbishing our local playground
- Sponsoring our local football teams
- Organising family days for employees
- Donating Christmas presents to underprivileged children
- Working with the Metropolitan Police to deliver Road Safety & Tyre Awareness Workshops
- Holding sustainability forums with our customers and service providers.

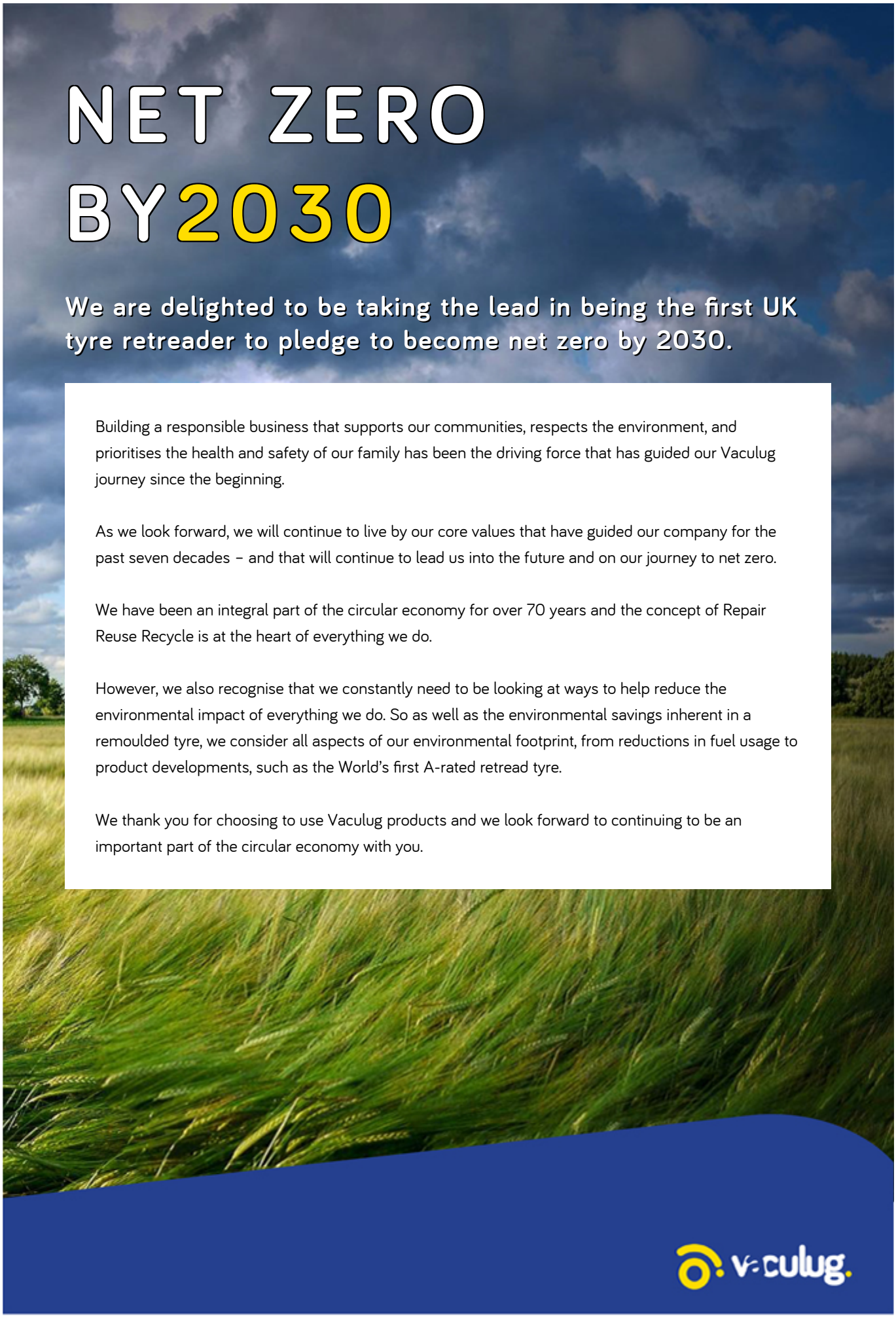
OUR RESPONSIBLE PARTNERS

We align ourselves with suppliers and partners who are actively engaging in sustainability initiatives.

We align ourselves with suppliers and partners who are actively engaging in creating sustainable products and processes and make a conscious effort to reduce their impact on the environment.

Our rubber supplier, Vipal, is always developing and improving their products and processes to minimise their impact on the environment. Their research and development on “Tyre and road-wear particles” is something they are very focussed on. Vipal have carried out specific research on the use of silica from rice-husks as a substitute for traditional raw materials. Vipal also focus on using renewable natural resources over synthetic ones such as the use of vegetable fibres as reinforcement agents and vegetable oils whilst reducing the use of high impact chemicals like zinc oxide. This, coupled with extensive research into improved durability and performance, leads to lower particle generation.





NET ZERO BY2030

We are delighted to be taking the lead in being the first UK tyre retreader to pledge to become net zero by 2030.

Building a responsible business that supports our communities, respects the environment, and prioritises the health and safety of our family has been the driving force that has guided our Vaculug journey since the beginning.

As we look forward, we will continue to live by our core values that have guided our company for the past seven decades – and that will continue to lead us into the future and on our journey to net zero.

We have been an integral part of the circular economy for over 70 years and the concept of Repair Reuse Recycle is at the heart of everything we do.

However, we also recognise that we constantly need to be looking at ways to help reduce the environmental impact of everything we do. So as well as the environmental savings inherent in a remoulded tyre, we consider all aspects of our environmental footprint, from reductions in fuel usage to product developments, such as the World's first A-rated retread tyre.

We thank you for choosing to use Vaculug products and we look forward to continuing to be an important part of the circular economy with you.

vaculug.

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Managing fleet tyres the sustainable way
#sustainablethinking