

# Intact Cycles, Intact Business

How to Benefit from Enhanced Retreading



# All Things Run in Cycles

The Natural Way of Doing Business

# Nature works in perfect cycles.

Every ending is the beginning of something new. The start of a next round. A fascinating mechanism which gives us an opportunity to think differently about the way we manage our businesses.

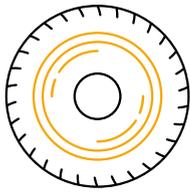
Retreading tyres is a good example of cyclic thinking. And a smart method of reducing costs and ensuring high mileage. At the same time, it contributes to environmentally friendly behaviour.

In other words:

**Retreading helps to keep your business running in the most natural way.**



Compared with a low-end non-retreadable tyre, a retreaded tyre enables a lot of savings and benefits:



More than **70%** of commercial truck fleets retread their tyres at least once.

They have good reasons to do so. Retreading decreases per kilometre tyre costs resulting in a more attractive total cost of ownership. Furthermore, retreading increases tyre-lifespan and the overall distance tyres perform for the fleet.

**29%**  
  
**LAND USE**  
or growing area

**24%**  
  
**CO<sub>2</sub> EMISSIONS**

**AIR POLLUTION**  
  
**21%**  
as measured by particulate matter emissions

**70%**  
  
**RAW MATERIAL**  
due to existing casing

**WATER CONSUMPTION**

**19%**  


  
**70%** **NATURAL RESOURCE EXTRACTION**  
(ore, oil...), mainly because of the consumption of steel casings avoided

An aerial photograph of a winding asphalt road in a lush green valley. The road curves through rolling hills, with a wooden fence running alongside it. In the center of the curve, a white truck with a red and blue trailer is driving. The surrounding landscape is covered in vibrant green grass and small shrubs. A white arc highlights the top half of the road's curve, and a yellow arc highlights the bottom half. A vertical yellow line extends from the bottom of the yellow arc down towards the bottom of the frame.

# Cycles Gain from Experience

The Advantage of Retreading with Continental

**Our engineers are driven by wanting to improve technology to give you clear benefits.**

They simply know that innovative solutions are the essential key to help you save time, money and reach destinations safely. And they know how important tyres are, being the sole contact point to the road's surface. Focussing on these aspects, our engineers are constantly improving Continental retread solutions, giving your tyres a reliable and safe new cycle of life.



## Being one of the world's largest tyre manufacturers, we also have long experience in retreading.

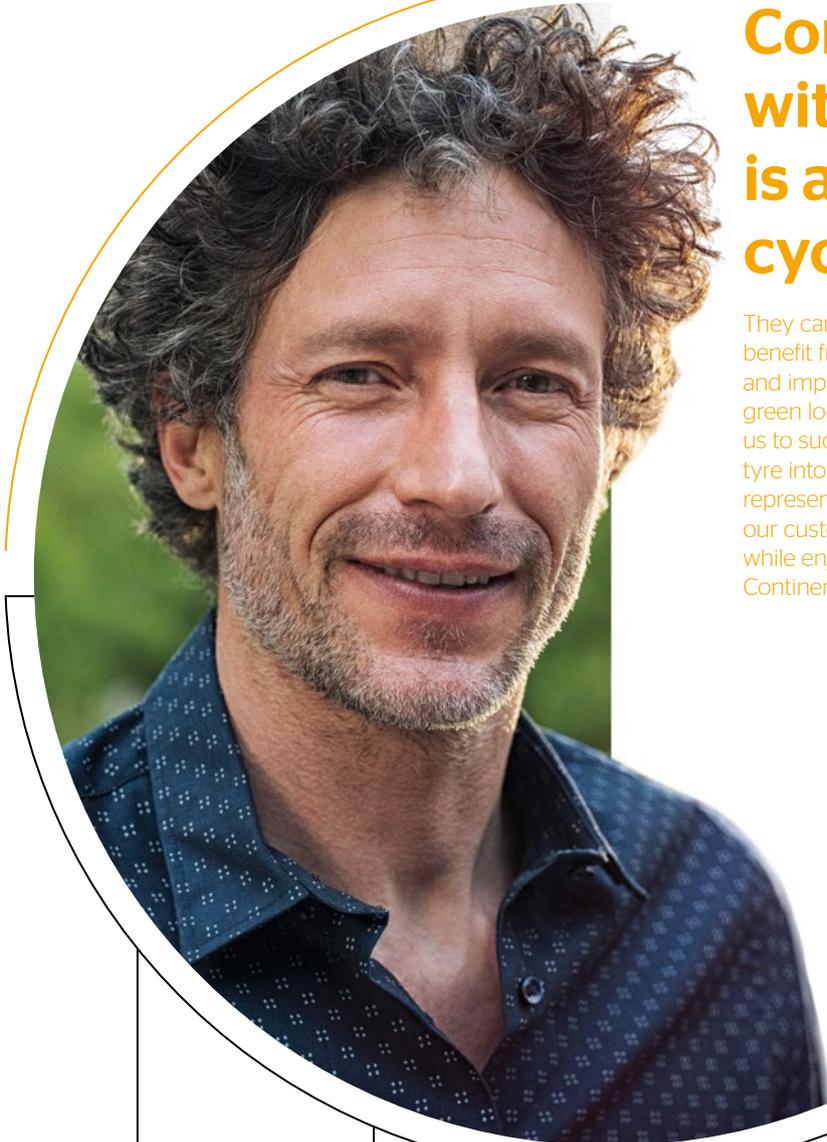
For decades we have been improving quality and expertise and investing large amounts in research and development to create sustainable business models and innovative products according to the fascinating concept of a circular economy. This approach is so important to us that we have even dedicated a whole location to it. In our unique ContiLifeCycle factory in Hanover our engineers work on future concepts to achieve maximum sustainability in the tyre industry.

In this worldwide unique factory, we are proud to innovate constantly in the field of hot retreading for truck and bus tyres as well as rubber recycling systems. In our UK-based Bandvulc factory we combine hot and cold retread under one roof. As pioneers in this field, we operate in a closed production cycle where synergies from retreading and rubber recycling are used. This is enabling us to set new standards in sustainability.

## On Track for Best Solutions

We remain highly motivated to improving and producing the best solutions for any scenario. We are proud that our efforts have been recognized, for example by the leading Tyre Technology International magazine who have awarded our cutting-edge systems of rubber recycling and tyre retreading.





## Communication with our customers is a productive cycle, too.

They can rely on our understanding, and we can benefit from their feedback. Together we create and improve concepts leading to a future of green logistics. Sophisticated technology enables us to succeed in transferring the benefits of a new tyre into a retreaded one. And because the casing represents up to 80% of a commercial tyre's value, our customers can capitalize on their investment while enjoying the same advantages a new Continental tyre offers:

Minimum rolling resistance resulting in **fuel savings**

Highest **reliability** due to premium materials throughout production and retreading processes

**Robust and resistant design** serving all purposes and terrains

**Maximum safety** following the Continental Vision Zero of eliminating traffic accidents and accidental deaths

**Simple key philosophy:** keeping all vehicles on the road



# Cycles Offer Individual Entry Points

The Enhanced ContiLifeCycle Concept

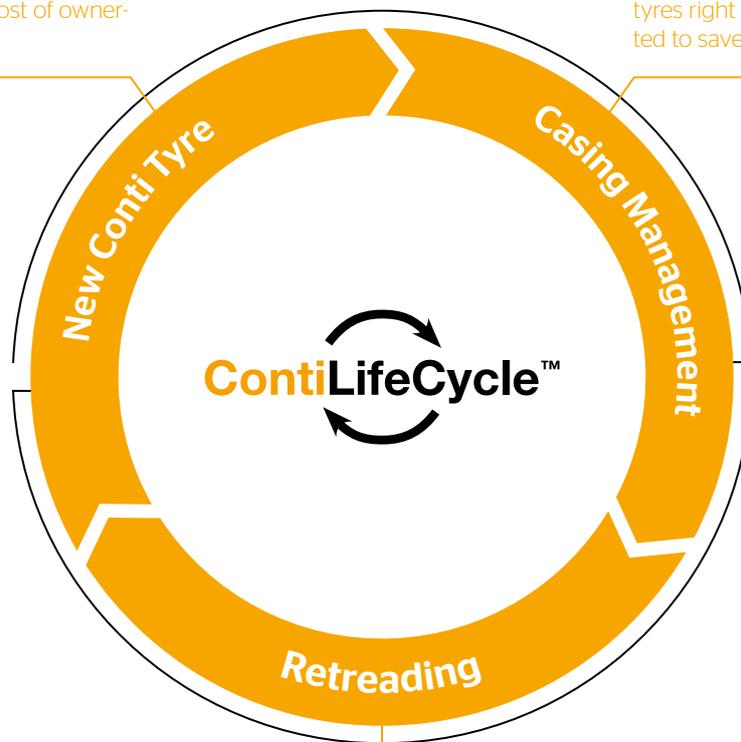
The **ContiLifeCycle** is a holistic system created to deliver peace of mind to customers by reusing tyres and prolonging tyre lives. The ContiLifeCycle concept is part of the Conti360° Solutions business, which offers all-round tyre management to fleets. There are three steps forming the process, each of them technology-driven.

**New Tyres - Multiple Lives**

In the beginning of the ContiLifeCycle there is the new tyre. Designed for ultimate economy, following our cradle-to-grave approach. Made for performance from innovative research and development which we invest in every year. Continental truck and bus tyres are long lasting, efficient, retreadable and a cornerstone for optimizing the total cost of ownership of a fleet.

**Casing Management**

The ContiLifeCycle continues with the original Continental casing which offers standardized construction across all axle positions to simplify your casing management. With its robust design, our casing is ideal for truck and bus tyre retreads. Furthermore, we offer a casing bank making it easy for you to get retreaded tyres right away or get your casings credited to save money at your next purchase.



**Retreading**

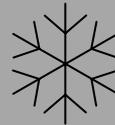
In the third step of the ContiLifeCycle there are two different options of retreading for your tyres: the **hot-retreaded ContiRe™** and the **cold-retreaded ContiTread™**, both of them cost-effective, eco-friendly, and premium quality solutions to prolong Continental tyre lives and deliver proven performance and reliability.

- ✓ **Cost savings**
- ✓ **Eco Friendly**
- ✓ **Peace of Mind**

# Premium truck and bus tyres by Continental are designed to last.

Our extensive product portfolio includes tyres for every application and purpose. Our tyres for long-haul transport, inner-city bus, construction etc. provide high mileage, fuel optimization and whatever your business needs. To enable you to benefit from these qualities for longer, we offer two methods of tyre retreading:

**hot and cold retreading.**



**Looks like new, runs like new.**

In the production of ContiRe™ we apply an entirely new rubber compound onto a used tyre casing in a hot vulcanization process, making the retreaded tyre look and perform just like new. The result is a solid rubber tyre applied to selected high-quality casings that have been thoroughly checked by our retreading partners following a standardized and safe protocol. In the first step of the process of hot retreading, the tread is removed entirely from the casing. Then we reapply the rubber compound, which is partly made up of the used tread.

To waste as little resources as possible we also save the thermal discharge produced during the vulcanization and feed it back into the production process. We have therefore established a closed, clean and energy-efficient production cycle that is sustainable and allows us to create high quality products at lower costs.

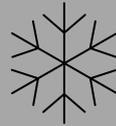
# ContiRe™ – Hot Retreading



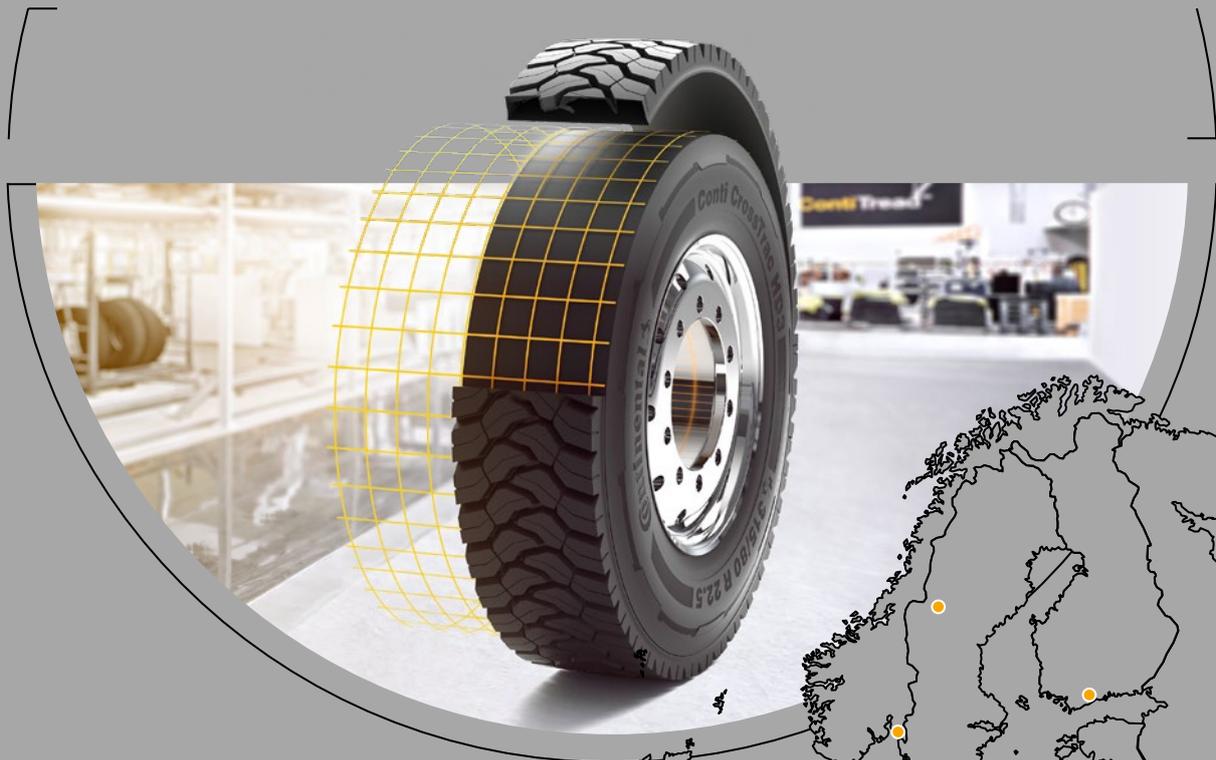
**As simple as it is smart:**

It is the tread that wears down the quickest, so the used tyre therefore simply gets new tread, keeping the casing that is still in excellent condition. ContiTread™ pre-cured treads use rubber compounds and tread patterns that are exclusively produced using the Continental mixtures and profiles we also use for new tyre production. These treads can be easily applied and give multiple lives to any casing from the Continental family brands. ContiTread™ can be applied by local partners all over Europe, avoiding delivery routes and providing our customers with a sustainable, straightforward process. Our retread partners benefit from a large portfolio of tread patterns available in multiple widths to allow precision application onto casings from various sources. This portfolio includes solutions for buses, trucks, trailers and many other vehicles, giving their tyres a new life of robust quality and reliable grip.

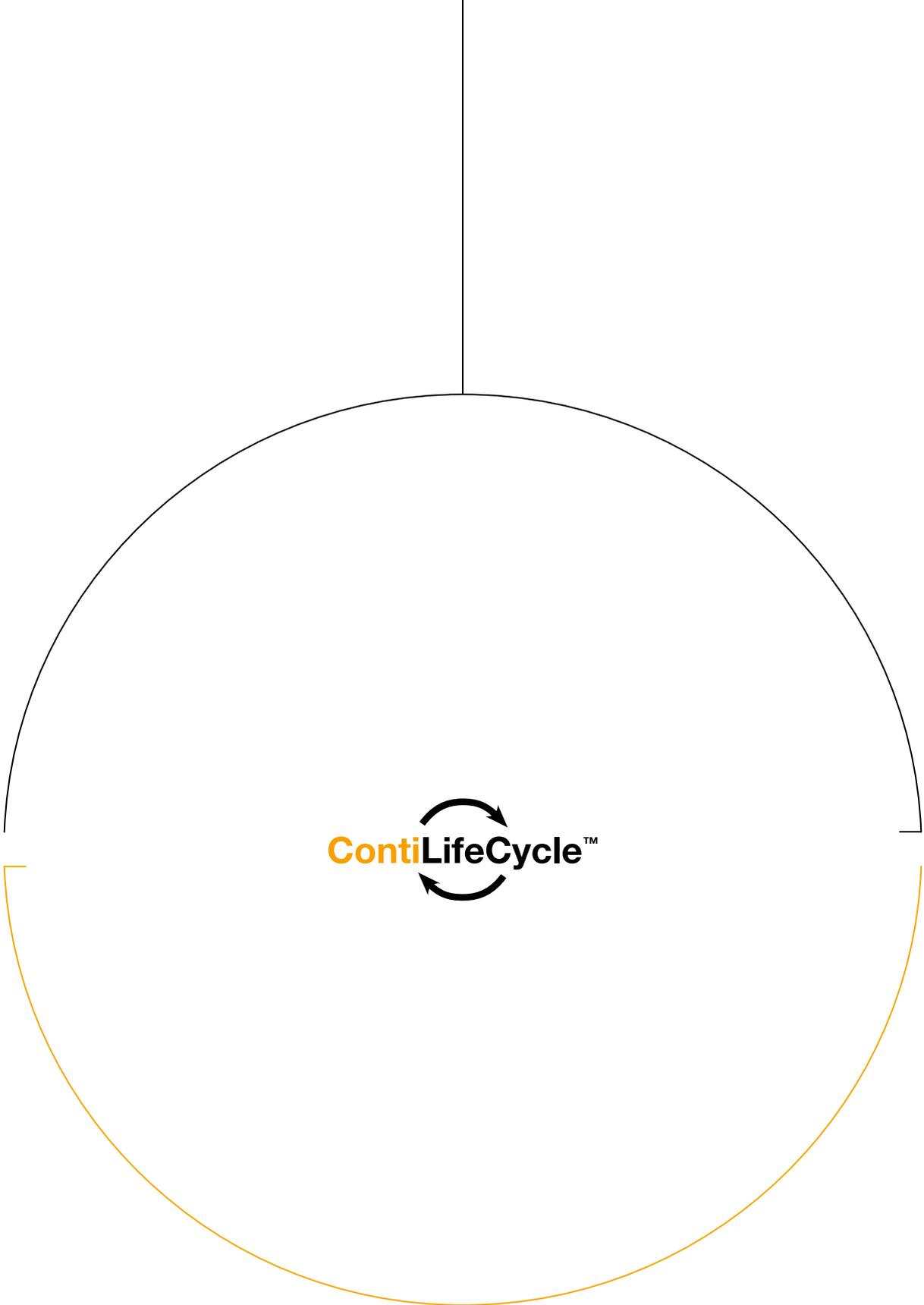
As part of the ContiLifeCycle concept, ContiTread™ is designed as a service solution to guarantee the highest cost-efficiency to our customers throughout a tyre's complete life.



# ContiTread™ - Cold Retreading



Europe-wide network of ContiTread™ partners that offer premium cold retread.



Continental Reifen Deutschland GmbH  
Vahrenwalder Straße 9  
30165 Hannover

[www.continental-truck-tires.com](http://www.continental-truck-tires.com)  
[www.contilifecycle.com](http://www.contilifecycle.com)

