

# 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 new round. A fascinating mechanism which gives us an opportunity to think differently about the way we manage our businesses.

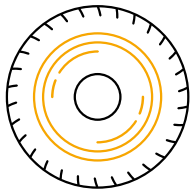
Retreading tyres is a good example of cyclical thinking. And a smart method of reducing costs and ensuring high mileage. At the same time, it contributes to environmentally friendly behaviour.

In other words:

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




**Compared with a budget non-retreadable tyre, a retreaded tyre provides many 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



# Cycles Gain from Experience

The Advantage of Retreading with Continental

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

We know that innovative solutions are the essential key to help you save time, money and reach destinations safely. And we know how important tyres are, being the sole contact point to the road's surface. Focussing on these aspects, our engineers are constantly improving our 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 a 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 unique facility, 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 enables 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 recognised, 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 capitalise 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 our 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

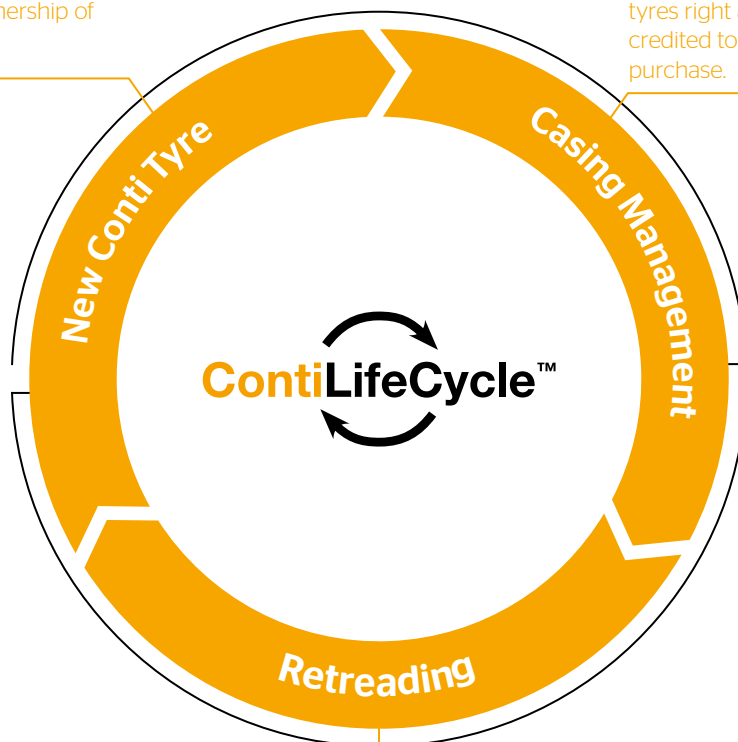
Our **ContiLifeCycle** is a holistic system created to deliver peace of mind to customers by reusing tyres and prolonging tyre life. The ContiLifeCycle concept is part of the Conti360° Solutions business, which offers all-round tyre management to fleets. There are three steps forming the process, each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

**New Tyres - Multiple Lives**

In the beginning of our 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. Our truck and bus tyres are long lasting, efficient, retreadable and a corner-stone for optimising the total cost of ownership of your fleet.

**Casing Management**

ContiLifeCycle continues with an original Continental casing which offers standardised construction across all axle positions to simplify 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 on your next tyre purchase.



**Retreading**

In the third step of our ContiLifeCycle there is **ContiRe™** a hot-retreading process which is cost-effective, eco-friendly, and a premium quality solution to prolong the life of your tyre, delivering proven performance and reliability.

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

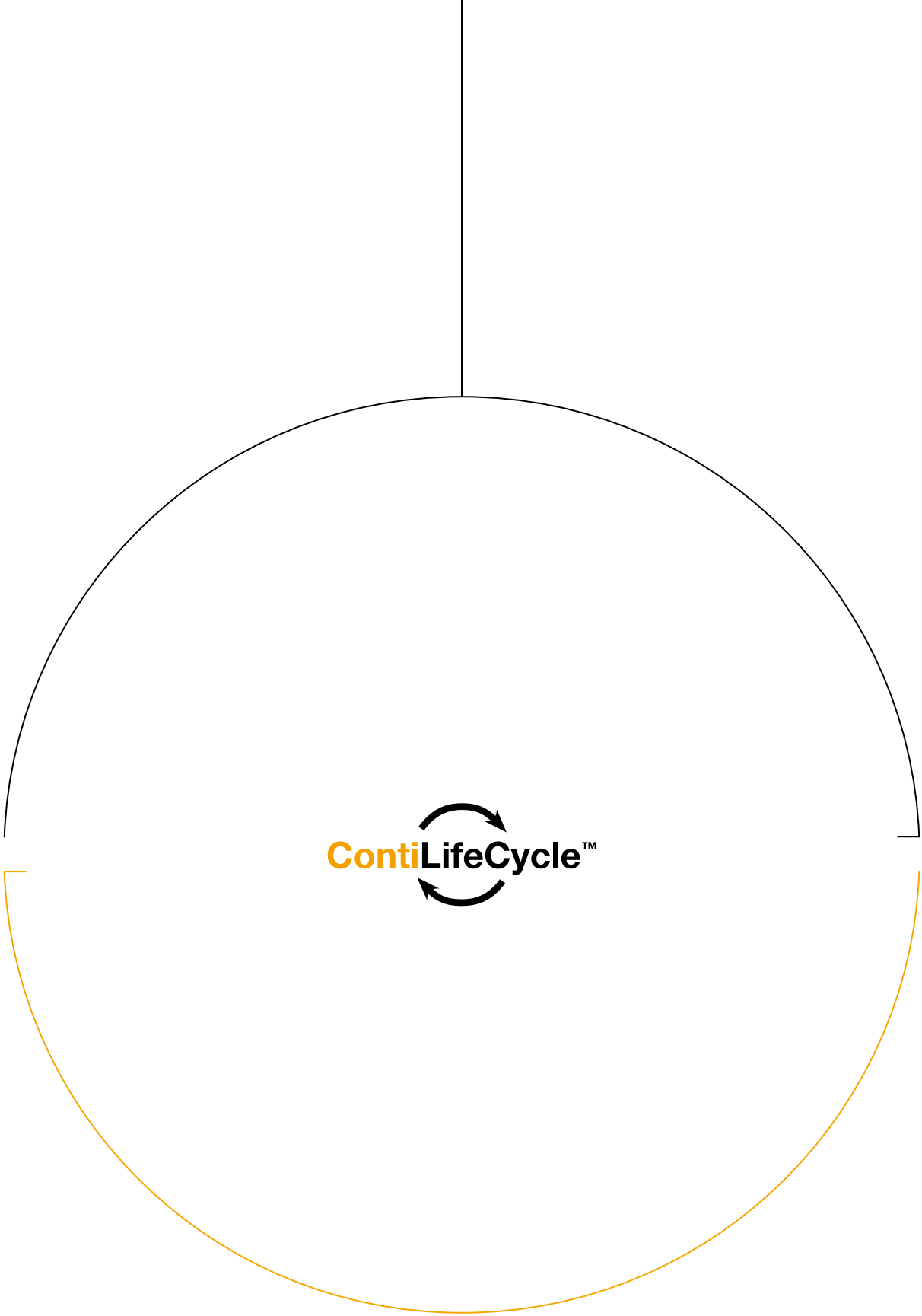
# ContiRe™ - Hot Retreading

**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 vulcanisation process, making the retreaded tyre look and perform 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 standardised 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 resource as possible we also save the thermal discharge produced during the vulcanisation and feed it back into the production process. Therefore, this closed, clean and energy efficient production cycle allows us to sustainably create high quality products.





[www.continental-tyres.co.uk/truck](http://www.continental-tyres.co.uk/truck)

