

Continental tires partners with Ain Dubai



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Hanover, April 6th, 2022. Huge wheels are no stranger to German tire manufacturer Continental. But now, Continental tires are being used to help operate the world's largest and tallest observation wheel – Ain Dubai, by Dubai Holding, located on Dubai's must-visit island destination, Bluewaters.

Continental's tires have long been used in the operation of the London Eye – the UK capital's own observation wheel, launched in 1999. So it was perhaps an obvious choice to seek out the brand's products again for the record-breaking Dubai entertainment destination.

Absolutely essential for the smooth and consistent rotation of the wheel, with minimal down time, Continental's TerminalMaster tires were chosen for their quality and reliability. Turning with the help of hydraulic motors, the 64 tires serve as friction rollers in the drive systems at either end of the boarding platform to keep Ain Dubai turning on its slow and steady rotation, giving its guests unparalleled 360-degree views of the emirate in premium comfort.

Designed and developed to withstand the extremely harsh conditions, huge payloads and long service life required in its prime application of port container terminals the Continental 310/80R22.5 TerminalMaster tire is also the perfect fit for this interesting niche application.

Produced in Continental's own production site in Otrokovice, Czech Republic this heavy-duty tubeless tire features an extra-deep tread profile and industrial-strength casing, with a higher resistance to damage and punctures than standard tires. The reinforced bead construction, special wear-resistant compound and excellent traction interact seamlessly with the observation wheels drive system. These qualities all combine to produce an incredibly long-serving, high-performance product, perfect for the hours of operation and high levels of safety required for the operation of Ain Dubai.

To further optimise the tires' performance, each of them is digitally

monitored by ContiConnect and ContiPressureCheck, which give continuous feedback on each tire's condition and advance notification if corrective actions related to the tires are needed. These intelligent solutions are displayed on a web portal or app, which can deliver reports and analytics in addition to the constant monitoring. This intelligent technology means each tire runs at optimum pressure and gives maximum uptime, which also equates to supreme safety, not to mention energy efficiency and the longest possible lifespan.

It's easy to misjudge the scale of the tires without some context: Each one measures 1,070 millimeters in diameter, and weighs in at 71.2 kilograms – huge in comparison to the 635-millimeter diameter and average eight-to-10-kilogram weight of a typical 195/65/R15 sedan road tire.

With its 11,200 tonnes of steel, 2,400 kilometers of cable, and capacity of up to 1,750 visitors across 48 spacious cabins, Ain Dubai is the definitive giant in its class and requires each of its components to be of the highest standard of quality – this is where Continental's tires are best-in-class for the job.

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