



**AUTOMOTIVE,
AVIATION & MOBILITY**



CONCEPT TIRE BY NOKIAN TYRES WITH LIGNIN-BASED RENEWABLE FUNCTIONAL FILLERS BY UPM



UPM | Finland



Caroline Schmid | caroline.schmid@upm.com

This concept tire from Nokian Tyres uses UPM BioMotion Renewable Functional Fillers (RFF) in its sidewalls, a lignin-based, fully renewable substitute for the carbon black and precipitated silica that make up around 30 per cent of a standard tire's functional fillers. Those fillers are typically CO₂-intensive to produce. RFF replaces them with a lighter-weight, wood-based alternative instead, without requiring a new tire design or production process. Nokian Tyres' initial test series found that swapping in RFF holds real potential for more sustainable tires, marking the first time UPM's renewable fillers have moved into this market segment.

