Electric vehicle all-composite wheel gets funding

The world’s first commercially viable, low cost, lightweight, all-composite wheel for electric and niche vehicles such as driverless cars, last mile delivery vehicles, road sweepers and next generation agricultural vehicles could soon be a reality after winning grant funding of £135,500.

The ACRIM (All Composite Reduced Inertia Modular Wheels) wheel project won the funding after entering the Niche Vehicle Network competition. The ACRIM is being developed by a consortium of UK composite experts comprising Carbon ThreeSixty, Far UK and Bitrez Ltd – the project’s resin formulation partner.

Forecast to be 4kg lighter than a generic 8kg 15-inch wheel, the all-composite wheel is predicted to provide efficiency gains of 5 – 10% representing a 5% fuel saving or a 5% CO2 reduction when retrofitted to a petrol or diesel powered vehicle.
ITN documentary showcases Bitrez

‘Chemicals for a better tomorrow’ is a pioneering documentary series from ITN Productions Industry News and the Chemical Industries Association (CIA) exploring the importance and the value of the chemical and pharmaceutical industry in the UK. National newsreader, Natasha Kaplinsky, takes a look at Bitrez’s award-winning innovative products and services, interviewing Managing Director, Paul Jones, and other members of staff to discover what makes the company a leader in its field.

Click here to watch the video.

Bitrez joins EPSRC Future Composites Manufacturing Research Hub

Bitrez has become an industrial partner of the Engineering and Physical Sciences Research Council (EPSRC) Future Composites Manufacturing Research Hub (CIMComp).

The partnership will see Bitrez collaborating with academic and industrial partners to support the development and delivery of the next generation of high performance, affordable composites, which meet both regulatory and sustainability demands.

Paul Jones, Bitrez’s Managing Director, said: “We’re delighted to join the Hub as an industrial partner and to help secure the UK’s long-term position as a leader in composites manufacturing. Our formulated materials are already used in the development and manufacture of prepreg, so we are well placed to support the demands of projects coming out of the Hub.”

Paint and Coatings Industry magazine: A New Generation of REACH-Compliant Ketamine Epoxy Curing Agents

Take a look at Paul Jones, Bitrez’s Managing Director’s, article for Paint and Coatings Industry (PCI) magazine. He examines how laboratory tests prove the new generation of ketamines are unique - not only are they REACH compliant, but they technically outperform their conventional counterparts both during and after cure.

Click here to read the article.