

Bitrez Resin

Welcome to the Bitrez newsletter

Welcome to the Bitrez 2020 newsletter. The end of 2019 saw us win three awards; Make UK Innovation award, Wigan Business of the Year and IChemE Food and Drink award. This complements the several other awards we received last year, including the Queen's Award for Enterprise in Innovation.

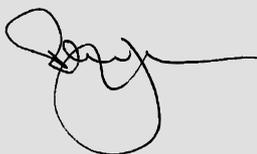
Moving on to partnerships, Bitrez has become a member of the EPSRC Future Composites Manufacturing and Research Hub. Led by the Universities of Nottingham and Bristol, the Hub is a £10.3m investment by the EPSRC to engage academics from across the UK to deliver a step-change in the production of polymer matrix composites. We've also become a member of Composites UK, the leading trade body for the UK composites industry.

At the end of 2019, staff at Bitrez donated Christmas presents to Cash for Kids 'Mission Christmas'. This amazing charity is close to our hearts and helps make sure children living in poverty have presents to open on Christmas morning.

Finally, this year will see the Bitrez team travelling to Europe and America to attend trade shows. Visit us in Hall 6, Stand S66 at JEC World in Paris and stand 321 at the American Coatings Show in Indianapolis.

Last but by no means least, I would like to thank all our staff, customers and suppliers for their hard work and dedication. We're looking forward to an exciting 2020!

Yours sincerely



Paul Jones
Managing Director

Bitrez launches bio-based resins for composites

Bitrez has launched a new family of regulatory compliant bio-based resins for the composites industry.

The new family of bio-based resins, including bio-Epoxy systems and PFA (Polyfurfuryl Alcohol), are designed especially for composite applications and are REACH (registration, evaluation, authorisation and restriction of chemicals) compliant.

Dominic Hopwood, Bitrez's Resin Sales Manager, said: "Sustainability and climate change are climbing higher up people's agendas. That's why we are leading the way in developing composite resins that are derived from renewable, sustainable plant products."

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.

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.

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."

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