

Our team

Dr Zlatka Stoeva, Cofounder and Managing Director, is responsible for setting the overall strategic direction of the company. She developed the current product and service portfolio and initiated a number of business partnerships and collaborations to commercialise the company's innovations. Zlatka has a scientific background in materials chemistry, including electronic materials, graphene, lithium ion battery materials and polymer chemistry.

Dr Harry Cronin, Research and Development Manager, has responsibility for research and new product development activities and customer trials. He has worked on a number of externally funded projects supported by Innovate UK as well as other collaborations. Harry has several years' industry experience in the fields of electronics, sensors and photonics, and holds an EngD degree in Materials Science from the University of Surrey.

Dr Tsegie Faris is a Research Scientist working on experimental characterisation of novel materials, with a particular focus on graphene and 2D materials. Tsegie has an academic background in materials chemistry and organic semiconductors. She received her PhD degree in 2018 from Brunel University.

Main Contact

Main contact in the project:

Dr Zlatka Stoeva
Managing Director, DZP Technologies Limited
Email: zlatka.stoeva@dzptechnologies.com
phone: +44 (0)1223 781191, mobile: +44 (0)7800 757544
www.dzptechnologies.com
Future Business Centre, Kings Hedges Road, Cambridge



A Graphene Sensor for Defect Detection and Predictive Maintenance in Composite Materials

www.graphosite.co.uk

DZP Technologies

Delivering printed electronics innovation

DZP Technologies Ltd.

www.dzptechnologies.com

Innovate UK

GRAPHOSITE is an **Innovate UK** Project,
Ref: 104266

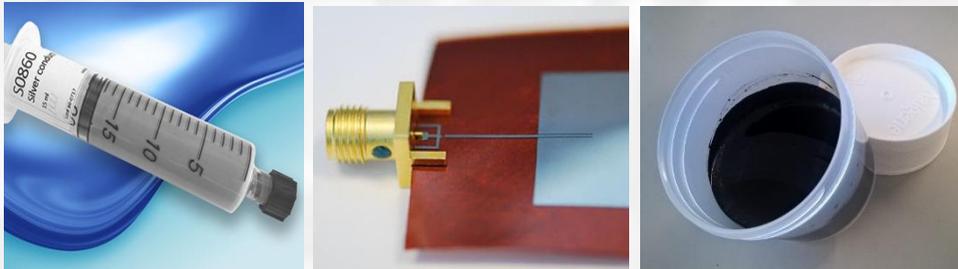
Who we are

DZP Technologies is a leading developer of specialty materials, formulations, and printing technologies for emerging industries. Founded in 2008, we have been working closely with our customers to create innovative materials for a range of markets, from consumer electronics and wearables, to 3D-printing and renewable energy.

Our scientific expertise and talented team make it possible to fast-track scientific discoveries from lab to market, taking on the toughest technical challenges and helping our customers develop innovative, sustainable products which offer a true differentiator in competitive markets.

Our business strategy is based on partnerships and building trust. Whether we work with a start-up company or a global multinational, our customers enjoy access to our leading edge scientific expertise and innovative products, with fast delivery times and while protecting and respecting their intellectual property. Our strong customer focus combined with our unique products and service offering have gained us clients globally, from the UK, France and Germany, to the US, Singapore and South Korea.

We specialise in aqueous inks and pastes which are both user- and environmentally-friendly. This is fully aligned with industry trends to minimise the environmental impact, while reducing costs and improving performance of new technology.



Our products and services

Silver Conductive Inks

Our products make use of the latest advances in materials science and technology to provide user-friendly, aqueous conductive inks and pastes which match the performance of the conventional solvent inks. Our silver conductive technology provides the following key benefits:

- Low temperature curing (25 – 120 °C) and suitable for printing on heat-sensitive polymers, composites, paper and textiles
- Wide temperature operating range (-65 – 220 °C) and excellent mechanical and environmental stability once cured

Graphene Inks and Pastes

With a focus on commercially viable technology development, we work in the chasm that often exists between the academic research centres and companies seeking to develop graphene products that fill a market need.

Our portfolio of more than 50 bespoke graphene formulations means that we are likely to already have the best technical solution for a particular application on hand. With no tie to a specific graphene raw material, our primary focus is on the best solution for a specific product, and not the 'take-it-or-leave-it' approach often found with large commercial ink manufacturers which offer off-the-shelf products. We have experience in the following graphene technologies:

- Conductive graphene inks and thick pastes
- Aqueous graphene dispersions
- Graphene energy storage (supercapacitors and batteries)
- Graphene sensors

Our services

- Formulation and development of bespoke inks, pastes and processes according to customer specifications
- Prototyping and small volume production of printed devices
- Technical consultancy, contract R&D and contract product development