

Perfect graphene for fast and accurate sensing solutions



- First company in the world to mass produce graphene-based electronic devices using standard semiconductor processes.
- Proven solutions for magnetic field and molecular sensors across several industries today – and expanding beyond.
- Strong growth potential, deploying benefits of other 2D materials in addition to graphene in high volume end applications.
- Paragraf manufacturing and R&D sites in the UK and US, with sales representation worldwide.



Founded
in 2017,
UK HQ

UK & US
facilities

> 110
scientists &
engineers

> 130
granted
patents

Global sales
presence

Graphene Hall sensors

Magnetic field sensors delivering highly sensitive, more-reliable and superior noise-tolerant current and position sensors that work across environments from very low to high temperatures and fields.

www.paragraf.com/ghs



Automotive



Automation



Cryogenics

Molecular sensors

Graphene field effect transistors (GFETs) built on the purest, directly deposited monolayer graphene for any sensing application for nucleic acids, proteins, gas, ions, small molecules and more.

www.paragraf.com/gfet



Agri-tech



Healthcare



Gas sensors

World's first 2D material microchip foundry

- Two-dimensional layers of graphene, hexagonal boron nitride and other materials, produced with a proprietary deposition process.
- Standard semiconductor toolsets, equipment and approaches enabling turnkey solutions.
- Epitaxy of 2D material heterostructures offering industry-first 2D process design rules.
- Bespoke design-and-build services of 2D material-based devices, built to customer specifications.



Paragraf's vision



Healthy People

Graphene-based biosensors delivering point of care, rapid diagnosis results saving lives.



Healthy Cities

Improved motion and current sensors enable safer EV battery systems and new, safer vehicle control systems.



Healthy Planet

Graphene-based electronics enable higher efficiency electric motors reducing carbon footprint over wide range of applications.

Timeline

