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## **Tetra Pak Appointed as Sole Representative of Packaging Industry in European Graphene Flagship**

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Tetra Pak has recently been elected as the only representative from the packaging industry to join the European Commission Graphene Flagship project for exploiting the full potential of graphene to develop the food and beverage (F&B) Industry further.

[Tetra Pak](#) has joined the European Commission Graphene Flagship project as the exclusive representative from the packaging industry to explore possible future applications of graphene in food and beverage (F&B) manufacturing.

Graphene is a carbon-based material, one of the thinnest known to mankind, one atom thick, while also being incredibly strong: around 200 times stronger than steel. It is an excellent conductor of heat, electricity and has a wide range of light absorption abilities. Graphene material could bring breakthrough innovations with unlimited potential for integration in almost any industry.

Prof Konstantin Novoselov, Physicist and Nobel Prize Winner said: 'Graphene has the potential to revolutionise a range of processes and industries. Since Graphene's first isolation in 2004, we have seen tremendous success and marketplace application of the material within electronics and automotive industries, I'm looking forward to the next phase of the Graphene Flagship and exploring potential innovations in the packaging industry.'

Sara De Simoni, VP, Equipment Engineering, Tetra Pak said: 'Tetra Pak's involvement with the European Graphene Flagship is one example of our ambition to drive innovation to the next level. It is a privilege to be the only representative from our industry in this research initiative and puts us at the cutting edge to address challenges through multidisciplinary research and development together with our industry partners.'

Tetra Pak is leading R&D in the packaging sector, exploring the potential graphene holds to unlock a range of new and revolutionary innovations for the F&B industry, including:

**Packaging material innovation** – is being examined to see how graphene could offer coatings to reduce carbon footprint in packaging supply chain, graphene can also enhance the performance of current packaging materials, enable new functionality as well as increase recyclability.

**Smart Packaging** – with the development of smart packaging, graphene's ultra-thin flexible sensors can be integrated to packages as data carriers for producers, retailers and consumers. Graphene sensors can also be smaller, lighter and less expensive than traditional sensors.

**Next generation of equipment** – exploring how graphene composites can be used to make equipment lighter and more energy efficient has the potential to reduce costs and energy consumption. With only modifications needed to equipment over additional purchases, both time and money are saved.

Read the [original article](#) on Tetra Pak.