

Directa Plus PLC

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Directa Plus pioneers graphene use as sector evolves

- Italy-based firm Directa Plus PLC (LON:DCTA) floated on AIM in 2016
- Company is incorporating graphene into textiles, pollution treatments, road surfaces and tyres
- Graphene has been dubbed a "miracle" material, being around 200-times stronger than steel, transparent and able efficiently to conduct heat and electricity
- Billionaire Patrick Soon-Shiong has taken a 20% stake

What it does

Textiles

Directa Plus has signed deals with consumer brands Oakley and Bioracer, which used the company's Graphene Plus (G+) to launch a cycling jersey in early July.

Alfredo Grassi, another customer, is one of Italy's largest workwear suppliers while G+ will also be used to treat a range of jeans made by Arvind, one of India's top textile groups.

Transport, oil and gas

Directa is working with Marangoni - one of Italy's leading re-tread companies - to produce better performing tyres for commercial buses and lorries.

The company believes the G+ compound will increase grip, durability and fuel efficiency as well as extend the life of a tyre.

In the oil and gas sector, the firm has joined forces with Italian firm Sartec to develop a commercial-scale industrial system using its graphene-based Grafysorber product for treating oil-contaminated produced water.

The agreement follows initial joint research over the last eight months during which extensive tests on the Grafysorber product were successfully carried out.

Since the agreement, the first phase of industrial field testing of Grafysorber has been completed.

The test was to remove petroleum hydrocarbons from the water produced as a by-product from oil and gas wells so that it can be reused.

Romanian group OMV Petrom said the quality of water improved using Grafysorber.

Vittoria was the first manufacturer to use Directa's products, firstly in a carbon fibre wheel, and then in "intelligent"

Price: 84p

Market Cap: £42.94M

1 Year Share Price Graph



Share Information

Code: DCTA

Listing: AIM

52 week High Low
87.00p 37.00p

Sector: Manufacturing

Website: www.directa-plus.com

Company Synopsis:

Directa Plus is one of the largest producers and suppliers worldwide of graphene nanoplatelets-based products for use in consumer and industrial markets. Our graphene nanoplatelets-based products are natural, chemical-free and sustainably produced. Our production process is designed to meet large supply chains' requirements for volume, cost and quality control.

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bicycle tyres.

These stay very hard when rolling, but soft when braking, and were used at the Rio Olympics, where cyclists won four medals using them.

Road durability

Directa has just published trial results from the world's first road to be resurfaced with a supermodifier containing graphene.

Ecopave, which is based on Directa's Graphene Plus graphene product, has been laid on a section of Rome's Strada Provinciale Ardeatina.

Directa has developed Ecopave with Iterchimica, an Italian-based maker of products that enhance asphalt performance.

In April, the partners confirmed the trial would be extended after a substantial improvement in road surface wear and tear.

What the boss says: Giulio Cesareo, CEO

"This trial has proven that the G+ upgraded asphalt super-modifier is suitable for high-traffic roads, highways, airports, and ports.

"The product perfectly matches Directa Plus's and Iterchimica's vision by offering an innovative, environmentally friendly and sustainable solution to the challenge of reducing the carbon footprint of road surfacing and resurfacing,"

Video

Inflexion points

Full year results confirm sales picking up

Revenues from raft of commercial deals starts to come through

More deals signed

Directa has been awarded for its non-chemical graphene process in the US

Blue sky

Graphene establishes itself as a key component in many industries

Graysorber and Ecopave and G+ all used widely

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