



# PRESS RELEASE

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## **SABIC AND NOTTINGHAM SPIRK ACCELERATE INNOVATIONS WITH SPECIALTY MATERIALS ACROSS MULTIPLE INDUSTRIES**

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Leveraging its unique ability to expand value for its customers while also contributing to Saudi Vision 2030, SABIC, a global leader in the chemical industry, is investing in new applications and methods of collaboration to innovate across the industry value chain. As part of this investment in the future, SABIC's Specialties business announced today that it is accelerating the development of disruptive solutions to create end-user market pull by engaging with Nottingham Spirk, a business innovation and product design firm based in Cleveland, Ohio, USA. This relationship brings together the benefits of SABIC's proprietary specialty thermoplastic offerings and Nottingham Spirk's award-winning capabilities to design and commercialize breakthrough products across multiple industrial verticals.

"SABIC's thermoplastics portfolio is renowned in many key industries such as automotive, aircraft and rail interiors, and electrical and electronics," noted Ernesto Occhiello, executive vice president of SABIC's Specialties business unit. "However, there is tremendous opportunity for our high-performance materials – which offer unique combinations of thermal, mechanical and electrical properties – to be used in end products that can shape the future of healthcare, consumer goods, energy and electric vehicles, just to name a few. Working closely with Nottingham Spirk and taking part in their proven innovation process enables us to look at the entire value chain differently for fresh creative ideas that support our customers' growth aspirations."

"The more we learned about the capabilities of SABIC's advanced portfolio of specialty thermoplastics to help solve really tough customer problems, the more inspired we were to start this collaboration," said John Spirk, co-president, Nottingham Spirk. "The combination of SABIC's diverse portfolio of material solutions along with our expertise in designing novel products that fill unmet end-user needs create an infinite number of exciting possibilities for business innovation."

SABIC's portfolio of unique, high performance thermoplastics and compounds includes:

- NORYL™ resin, a polyphenylene ether material with outstanding hydrolytic and dimensional stability, in addition to electrical insulation properties;
- ULTEM™ resin, a polyetherimide material delivering an unmatched combination of strength, rigidity, heat and chemical resistance, and hydrostability; and

- LNP™ compounds, a family of materials engineered to deliver structural performance, impact resistance, high aesthetic capabilities, flame resistance, conductivity or electrostatic dissipation, EMI shielding, thermal management and other specific characteristics depending on application requirements.

Saudi Vision 2030 is designed to reduce Saudi Arabia's dependence on hydrocarbon exports and promote diverse economic development and sustainable job creation to benefit Saudi Arabia and its people for generations to come.

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## NOTES TO EDITORS

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- High-resolution photos are available upon request.
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## ABOUT SABIC

SABIC is a global leader in diversified chemicals headquartered in Riyadh, Saudi Arabia. We manufacture on a global scale in the Americas, Europe, Middle East and Asia Pacific, making distinctly different kinds of products: chemicals, commodity and high performance plastics, agri-nutrients and metals.

We support our customers by identifying and developing opportunities in key end markets such as construction, medical devices, packaging, agri-nutrients, electrical and electronics, transportation and clean energy.

SABIC recorded a net profit of SR 18.4 billion (US\$ 4.9 billion) in 2017. Sales revenues for 2017 totaled SR 149.8 billion (US\$ 39.9 billion). Total assets stood at SR 322.5 billion (US\$ 86 billion) at the end of 2017. Production in 2017 stood at 71.2 million metric tons.

SABIC has more than 34,000 employees worldwide and operates in more than 50 countries. Fostering innovation and a spirit of ingenuity, we have 11,534 global patent filings, and have significant research resources with innovation hubs in five key geographies – USA, Europe, Middle East, South Asia and North Asia.

The Saudi Arabian government owns 70 percent of SABIC shares with the remaining 30 percent publicly traded on the Saudi stock exchange.

## ABOUT NOTTINGHAM SPIRK

For over 46 years, Nottingham Spirk has created breakthrough innovations for our client partners, generating over \$50 billion in revenue. Nottingham Spirk is the only truly vertically integrated innovation firm with all disciplines required to bring a product to market under one roof.

Since our inception in 1972, we have secured over 1,200 commercialized patents and created over 100+ world's first innovations. Nottingham Spirk provides real-time innovation training for client teams, allowing our client partners to learn from the process and accelerating the speed of product development and launch through our patented Vertical Innovation™ process. Our 60,000 square foot innovation center located in Cleveland, Ohio houses all the resources and expertise needed to bring innovations from concept to commercialization. To learn more, visit [www.nottinghamspirk.com](http://www.nottinghamspirk.com).

## PHOTOS AND CAPTIONS



LEFT: John Nottingham, co-president and co-founder of Nottingham Spirk; Ernesto Occhiello, executive vice president of SABIC's Specialties business unit; and John Spirk, co-president and co-founder of Nottingham Spirk at Nottingham Spirk's offices

RIGHT: Rebecca Blice, senior biomedical engineer at Nottingham Spirk; Shawn Lee, senior manager New Business Development at SABIC, John Nottingham; Ed Barber, senior biomedical engineer at Nottingham Spirk; Ernesto Occhiello; Joachim Gfoeller, director of Investments at Nottingham Spirk; John Spirk; Stephanie Gathman, director of Emerging Applications and Prototyping at SABIC; Jessica Everest, vice president of Operations at Nottingham Spirk; Stephanie Malafarina, senior manager Customer Insights at Nottingham Spirk; and John McKenzie, senior designer at Nottingham Spirk's offices.

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