

Media release

November 4, 2019

Nouryon and Forge Nano to collaborate on ultra-thin coatings technology

Nouryon and US-based startup Forge Nano have agreed to explore a joint collaboration in ultra-thin coatings for high-growth applications including batteries and catalysts. The technology, called atomic layer deposition (ALD), also has the potential to open up entirely new applications.

The companies have complementary activities in ultra-thin coatings – Forge Nano develops precision nano-coating technology, and Nouryon supplies metalorganic building blocks, including trimethylaluminum (TMAL) and diethylzinc (DEZ).

“These building blocks enable ultra-thin coatings to be engineered and assembled one atomic layer at a time onto the surface of materials, enhancing their physical properties without affecting overall functionality, which opens up entirely new frontiers on material performance,” said Dr. Paul Lichty, founder and CEO of Forge Nano. “It is now possible to control coating surfaces at the sub-nanoscale level and produce them at a commercial scale.”

The agreement is a great example of Nouryon’s focus on collaborative innovation to develop new products and technologies for attractive growth markets, said Steve Hunt, Vice President of Business Development at Nouryon. “We are targeting multiple applications in catalysts, batteries and other markets through this agreement. By working closely with partners like Forge Nano, we can use our combined expertise to introduce new solutions to customers across a range of markets.”

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About Nouryon

We are a global specialty chemicals leader. Markets worldwide rely on our essential chemistry in the manufacture of everyday products such as paper, plastics, building materials, food, pharmaceuticals, and personal care items. Building on our nearly 400-year history, the dedication of our 10,000 employees, and our shared commitment to business growth, strong financial performance, safety, sustainability, and innovation, we have established a world-class business and built strong partnerships with our customers. We operate in over 80 countries around the world and our portfolio of industry-leading brands includes Eka, Dissolvine, Trigonox, and Berol.

About Forge Nano

Based in Louisville, Colo., Forge Nano is a global leader in surface engineering and precision nano-coating technology. Forge Nano’s proprietary technology and manufacturing processes make angstrom-thick coatings fast, affordable and commercially viable for a wide range of materials, applications and industries. Forge Nano’s suite of ALD products and services covers the full spectrum from lab-scale to pilot and commercial-scale manufacturing systems. For more information visit www.ForgeNano.com or please send inquiries to Sales@forgenano.com

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