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## Kaijin Blue Sky Energy (Zhejiang) Co., Ltd. selected LyondellBasell's Spheripol and Spherizone technology

December 02, 2020

**ROTTERDAM, the Netherlands, December 2, 2020** – LyondellBasell (NYSE: LYB) today announced that Kaijin Blue Sky Energy (Zhejiang) Co., Ltd., has selected LyondellBasell's leading polypropylene technology for a new world scale facility.

The facility will include a 600 KTA polypropylene plant using LyondellBasell's *Spheripol* technology as well as a 300 KTA polypropylene plant using LyondellBasell's *Spherizone* technology. The facility will be built in Wenzhou, Zhejiang Province, China.

“The choice of Kaijin Blue Sky Energy to use LyondellBasell's polypropylene technology for their Wenzhou facility demonstrates how future operators trust the unprecedented polyolefin

expertise of LyondellBasell. LyondellBasell's polypropylene  
used process in the world and is very well established

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recognized by customers across the industry.

Mr. Yang Xuanjian, the General Manager of Kaijin Blue Sky Energy (Zhejiang) Co., Ltd. stated: "The selected polyolefin technology from LyondellBasell gives us the ability to deliver cost effectively recognized bulk polymers through the *Spheripol* technology and to supply differentiated high margin polymer products through the *Spherizone* technology allowing us to build up our organisation on a solid basis."

The *Spherizone* multi-zone circulating reactor (MZCR) provides a unique and innovative platform to manufacture polypropylene products with novel architecture and enhanced product properties. With this award, more than 15 *Spherizone* plants has been licensed in Asia.

*Spheripol* is the leading PP process with more than 30 million tons of licensed capacity. The latest fifth generation *Spheripol* technology includes process improvements that further maximize operational efficiency.

Both plants will commence operations using LyondellBasell's *Avant* ZN catalyst.

New licensees can take advantage of LyondellBasell's in-house expertise of continuous

production improvement, sustainable product development

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- *Hostalen* – Leading low-pressure slurry process for the production of high-performance multimodal HDPE
- *Lupotech* – The market leader on high pressure technology offers, with its high conversion rates and effective heat recovery system, the lowest operating and investment costs for the production of low-density polyethylene (LDPE) and ethylene vinyl acetate (EVA) copolymers
- *Spherilene* – Flexible gas phase process technology for the production of LLDPE, MDPE and HDPE
- *Metocene* PP – Innovative add-on technology for the production of specialty polypropylene products using single-site catalyst systems
- *Avant* – Advanced Ziegler-Natta, including non-phthalate, chromium and metallocene catalysts for entire range of polyolefin production.

### **About LyondellBasell:**

LyondellBasell (NYSE: LYB) is one of the largest plastics, chemicals and refining companies in the world. Driven by its employees around the globe, LyondellBasell produces materials and products that are key to advancing solutions to modern challenges like enhancing food safety through lightweight and flexible packaging, protecting the purity of water supplies through stronger and more versatile pipes, improving the safety, comfort and fuel efficiency of many of the cars and trucks on the road, and ensuring the safe and effective functionality

injection and appliances. LyondellBasell sells prod

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