



## Dow Expands PacXpert™ Flexible Packaging Technology Reach in Asia with Second License Agreement in Japan with Takigawa Corporation

**TOKYO, JAPAN – November 30, 2015** – Dow Packaging and Specialty Plastics, a business unit of The Dow Chemical Company (NYSE: DOW) announces the second PacXpert™ packaging technology collaboration in Japan with Takigawa Corporation. This license agreement comes a year after the first partnership with Kyodo Printing in November 2014, and will allow Takigawa Corporation to produce the packaging for a wide range of applications to their customer base across Asia Pacific through its manufacturing sites in Japan and Vietnam. This marks the 11<sup>th</sup> licensee agreement for PacXpert™ packaging technology globally, and the third in Asia Pacific.

Takigawa Corporation is a leading flexible packaging converter in Japan, and provides high-end packaging for a wide range of applications for both liquid and granule content for food and non-food related products. With the agreement, Takigawa Corporation will advance the reach of the award-winning PacXpert™ packaging technology across Asia Pacific to their distribution markets in Australia, Indonesia, Japan, Thailand and Vietnam.

“We are enthusiastic about bringing our innovative PacXpert™ packaging technology to various parts of Asia Pacific. Japan is a sophisticated market, with high standards in flexible packaging. A second licensee within a year is evident of the ability of PacXpert™ to provide a valued and innovative solution to the country. The consistent growth of the flexible packaging industry in the region has seen the standards and demands of packaging significantly raised,” said Mark Saurin, commercial vice president for Dow Packaging and Specialty Plastics, Asia Pacific. “By partnering with Takigawa Corporation, it allows Dow to meet the rising expectations of the consumers, access new markets with the technology, and offer customers more choices in sustainable packaging with greater convenience and functionalities.”



“PacXpert™ packaging technology is an innovative packaging solution which has multiple qualities, such as sustainability benefits and solving the unmet needs of end-users with easy-handling properties. By partnering with Dow, it allows us to develop our products together and exploit our synergy for greater business expansion with both our global footprint. This collaboration keeps our focus on new packaging solutions with high value propositions,” commented Hiroyuki Takigawa, president of Takigawa Corporation.

PacXpert™ Flexible Packaging Technology is a lightweight packaging design offering a fitment closure and integrated ergonomic dual handles, enabling precision pouring with no gugging, easy reclosing and convenient carrying. While flexible, PacXpert™ is shelf stable and can stand upright or on its side once filled, and facilitates the conversion of large hard plastics containers to portable packages. It also provides multiple environmental benefits by minimizing content waste, reducing raw materials and offering a higher product-to-package ratio. The PacXpert™ technology shows enormous potential for household, institutional, food service and industrial applications.

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Globally, PacXpert™ flexible packaging technology has received 11 prestigious awards to date:

- R&D Magazine's 100 Awards for most significant technology inventions of 2015
- Diamond of the Polish Chemistry in the category of Product of the Year 2015
- 2015 Sustainability Awards by Packaging Europe for Weight Reduction
- 2015 Ringier Technology Innovation Awards in China for Packaging Design
- Silver Edison Award in the Food and Beverage category 2015 Trophées de l'Innovation by CFIA 2015
- Plasticon Gold Award for Innovative Finished Product / Process 2015
- Innovation Award by the Emballage Pack Expert Committee 2014
- China Sustainable Package Technology Award 2014
- L'Oscar de L'Emballage winner in 2014
- ABRE Gold Award from the Brazilian Packaging Association (2013)
- WorldStar Packaging Award from the World Packaging Organization (2013/2014)

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### **About Takigawa Corporation**

In 1949, Takigawa Corporation took the lead in undertaking production of plastic goods. Under the management principle of “providing safety and sense of security,” the company has capitalized on their years of cutting-edge research and expertise to improve quality and develop a great number of new products since then. The demands of the marketplace are growing increasingly diverse. In order to meet those demands, Takigawa Corporation always start by considering the customer, and in pursuit of creations with the value required by our customers, they continue their drive toward globalization. In 2012, they set up group businesses in Vietnam, Singapore and North America, and Takigawa Corporation will continue to work at their business options and focus.

Going forward, using the world-class technology and product development capabilities that they have cultivated as a pioneer of the flexible packaging industry, Takigawa Corporation earnestly hopes to make further contributions to society by providing even safer, user-friendly, and economically outstanding products that meet a range of needs and lead the way to the future of packaging.

Visit <http://www.takigawa-corp.com/> for more information.

### **About Dow Packaging and Specialty Plastics**

Dow Packaging and Specialty Plastics, a business unit of The Dow Chemical Company (NYSE: DOW), is a \$13 billion business that combines core strengths of R&D, worldwide geographic reach, broad product lines and industry expertise to deliver sustainable solutions, products and applications for multiple plastics and adhesives markets. Dow Packaging and Specialty Plastics focuses on high growth market segments in flexible and rigid food packaging, secondary and tertiary packaging, personal hygiene and medical products, and adhesive applications. With 3900 employees, 48 plants and 28 sites spread across 16 countries, Dow Packaging and Specialty Plastics is the largest polyethylene producer in the world, and is a leading innovator and collaborator across the value chain on solutions for better packaging. Visit <http://www.dow.com/performanceplastics/> for more information. Follow Dow Packaging and Specialty Plastics on [Facebook](#), [Twitter](#), and [LinkedIn](#).

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### About Dow

Dow (NYSE: DOW) combines the power of science and technology to passionately innovate what is essential to human progress. The Company is driving innovations that extract value from the intersection of chemical, physical and biological sciences to help address many of the world's most challenging problems such as the need for clean water, clean energy generation and conservation, and increasing agricultural productivity. Dow's integrated, market-driven, industry-leading portfolio of specialty chemical, advanced materials, agrosociences and plastics businesses delivers a broad range of technology-based products and solutions to customers in approximately 180 countries and in high-growth sectors such as packaging, electronics, water, coatings and agriculture. In 2014, Dow had annual sales of more than \$58 billion and employed approximately 53,000 people worldwide. The Company's more than 6,000 product families are manufactured at 201 sites in 35 countries across the globe. References to "Dow" or the "Company" mean The Dow Chemical Company and its consolidated subsidiaries unless otherwise expressly noted. More information about Dow can be found at [www.dow.com](http://www.dow.com).

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