

## Dow Thailand Group – The largest manufacturing base of Dow in the Asia Pacific

**Dow** (NYSE: DOW) is the world's leading materials science company with an ambition to become the most innovative, customer centric, inclusive and sustainable. Dow's portfolio of plastics, industrial intermediates, coatings and silicones businesses delivers a broad range of differentiated science-based products and solutions for its customers in high-growth market segments, such as packaging, infrastructure and consumer care. Dow was founded in 1897 by Herbert Henry Dow, one of the world's leading chemists and inventors, to produce chemical and materials that help improve people's quality of life. As of now, Dow operates 109 manufacturing sites in 31 countries and employs approximately 36,500 people.

Dow has started its business in Thailand since 1970, then expanded through a joint venture with SCG in 1987. At present, **Dow Thailand Group** consists of Dow's wholly-owned subsidiaries and SCG-DOW joint ventures. In addition, there is also a Solvay and Dow joint venture in Thailand.

### Our focused portfolios:

1. Performance Materials & Coating
2. Industrial Intermediates & Infrastructures
3. Packaging & Specialty Plastics

### Dow Thailand Group's key markets and applications:

- Packaging industry
- Building & Infrastructure industry
- Automotive industry
- Consumer Cares industry
- Electrical Appliances industry
- Electronics industry
- Paints & Coatings industry
- Adhesives & Sealants industry



### Location of operations:

Currently, Dow Thailand Group has 14 manufacturing plants and is the largest manufacturing base of Dow in the Asia Pacific. The sites are in Map Ta Phut Industrial Estate, Asia Industrial Estate and WHA Eastern Industrial Estate (Map Ta Phut) in Rayong province.

### Products manufactured in Thailand

Polyethylene, Polystyrene, Elastomers, Polyurethanes, Binders, and Styrene-Butadiene latex. There are also some products imported from other countries such as solvents, construction chemicals, silicones and specialty plastics.

### Sustainability and circular economy initiatives

- **Public-Private Partnership for Plastics and Waste Management (PPP Plastics).** Dow is one of the founders of PPP Plastics, recognized as one of the government's working group to implement the country's 20 years road map of Plastic Waste Management. It is the first collaboration between The Government of Thailand, the private sector and civic organizations that aims to promote the circular economy and help the country achieve its goal of sustainable plastic waste management. There are a lot of initiatives under this program, for example; Rayong's waste management model, in collaboration with the Local Administrative Organization and the Provincial Administrative Organization, more than 266 tons of plastic waste has been recycled.

- **Recycled Plastic Road** project is a collaboration between Dow and SCG in turning post-consumer plastic into polymer modified asphalt roads, which can enhance road performance and reduce plastic marine debris. At the end of 2019, we have so far used 5.7 tons of plastic waste which is equivalent to approximately 1,425,000 standing pouches.
- **Dow Chemical for Sustainable Industry** aims to improve environment and safety standards of small and medium-sized manufacturers to meet the Industrial 4.0. It helps SMEs increase safety for employees and the communities around their sites. The project has been ongoing for 8 consecutive years, with 40 participating companies. It has improved the quality of life of almost 1,000,000 people and reduced 1.5 million tons of Carbon Dioxide emission per year which equivalents to 150,000 trees planting.
- **International Coastal Clean-up** has been organized for 17 consecutive years. Together with more than 40 organizations, we have collected more than 116 tons of waste. The activity also promotes effective waste management and waste segregation.
- **Mangrove restoration and trash collection.** Dow Thailand have planted mangroves and collected waste at Pak Nam Prasae, Rayong province for 11 years. To date, Dow has planted more than 15,499 mangroves to increase the green belt, absorb greenhouse gases and cultivate environmental conservation awareness.
- **Dow-EF Development for Successful Youth & Rayong Happiness** promotes the development of “Effective Function” in children’s brain. It is considered as one of the mechanisms for creating good citizens and reducing social problems. Dow has joined forces with the government and civic sectors to improve parenting behaviour. The project promotes the development in three groups of skill: Basic skills which are cognitive flexibility, inhibitory control and shifting, and working memory; Regulation skills which are focus attention, emotion control, and self-monitoring; Organization skills which are initiation, goal-directed/persistence, and planning and organizing. So far, we have engaged 895 local volunteers and 191 schools.
- **Dow Chemistry Classroom** promotes science education with small-scale chemistry laboratory techniques, proven to be safe, efficient, require less chemical and produce less waste. It allows students to experience the experiments first-hand for better understanding and interest in the subject. The project has been ongoing since 2014 with more than 100,000 students and 20,000 teachers from 762 schools participated.



For more information, please contact **Corporate Communications Department**

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***Dow...Innovation for a Sustainable Living***