



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

Dow (NYSE: DOW) combines global breadth; asset integration and scale; focused innovation and materials science expertise; leading business positions; and environmental, social and governance leadership to achieve profitable growth and help deliver a sustainable future. **The Company's ambition is to become the most innovative, customer centric, inclusive and sustainable materials science company in the world.** 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, mobility and consumer applications.

Dow operates manufacturing sites in 31 countries and employs approximately 37,800 people. Dow delivered sales of approximately \$57 billion in 2022.

Dow started its business in Thailand in 1967, then expanded through a joint venture with SCG in 1987 (in 2022, SCG Chemicals rebranded to SCGC). At present, **Dow Thailand Group** consists of **Dow's wholly-owned subsidiaries** [Dow Chemical Thailand Co., Ltd. / Carbide Chemical (Thailand) Co., Ltd. / Rohm & Haas Chemical (Thailand) Ltd.] and **SCGC-DOW joint ventures** [Siam Polystyrene Co., Ltd. / Siam Polyethylene Co., Ltd. / Siam Styrene Monomer Co., Ltd. / Siam Synthetic Latex Co., Ltd.]. 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

Key markets and applications:

- **Packaging industry**
- **Building & infrastructure industry**
- **Mobility industry**
- Consumer cares industry
- Electrical appliances industry
- Electronics industry
- Paints & coatings industry
- Adhesives & sealants industry



Location of operations:

Dow Thailand Group operates 13 manufacturing plants and is the largest manufacturing base of Dow in the Asia Pacific. The sites are in the Map Ta Phut Industrial Estate, the Asia Industrial Estate, and the WHA Eastern Industrial Estate (Map Ta Phut) in Rayong province.

Products manufactured in Thailand

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

Dow sustainability targets

- **Protect the climate** - By 2030, Dow will reduce its net annual carbon emissions by 5 million metric tons versus its 2020 baseline (15% reduction). By 2050, Dow intends to be carbon neutral.
- **Transform the waste** – By 2030, Dow will transform plastic waste and other forms of alternative feedstock to commercialize 3 million metric tons of circular and renewable solutions annually.
- **Close the loop** – By 2035, 100% of Dow products sold into packaging applications will be reusable or recyclable.



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 groups to implement the country's 20 years road map of 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. Magic hand x Won project under PPP Plastics. More than 1,400 tons of plastic bags and film packaging have 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. The project is now under study with the government authorities to become an alternative standard for road paving in Thailand. So far, we have diverted 23 tons of plastic waste from landfills in Thailand.
- **Dow for Sustainable Industry** aims to improve small and medium-sized manufacturers' environmental, safety, and efficiency standards. It creates blueprints to help Thai SMEs increase safety for employees and the communities around their sites and reduce CO2 emissions from their manufacturing process. It has reduced 5,500 tons of Carbon Dioxide emissions.
- **International Coastal Cleanup** has been organized annually since 2003 in Rayong province to promote effective waste management and segregation at the source through educational programs, exhibitions and games. Over 130 tons of trash have been collected and sorted out for recycling by the volunteers.
- **Dow & Thailand Mangrove Alliance** has been built on Dow's mangrove conservation program at Pak Nam Prasae, Rayong province, since 2009. The alliance aims to protect the climate and stop plastic waste from entering the sea with holistic mangrove conservation targeting 2,000 acres. Not only beneficial to carbon reduction and biodiversity, but the program also creates economic and social benefits for local communities, for example, income from the carbon credit system and tourist attractions.
- **Dow-EF Development for Successful Youth & Rayong Happiness** promotes the development of "Executive Functions (EF)" in children's brains to create good and great citizenship by joining forces with the government and civic sectors. More than 1,300 local volunteers, 200 child development centers, nurseries, and kindergartens actively participate in the program.
- **Dow Chemistry Classroom** promotes science education with small-scale chemistry laboratory techniques, proven safe and efficient, requires less chemicals, and produces less waste. The project has been enabling students to experience first-hand chemical experiments since 2013, with more than 2,000 teachers participating. In 2022, the program announced a partnership with the Office of the Basic Education Commission (OBEC) to expand to nationwide schools.
- **FIRST Lego League & FIRST Tech Challenge** promotes STEM education by providing Thai youth with opportunities to display their talents in robotics development and computer programming to become the national teams to compete in the international arena.

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Dow Thailand Group
innovating for a sustainable living with operational excellence