



PT Asahimas Chemical



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Company Profile



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PT Asahimas Chemical (ASC) in Brief

In 1986, PT Asahimas Chemical (ASC) was established as a multinational company. In 1989, ASC started operating its integrated Chlor Alkali-Vinyl Chloride production complex. Over the years, the complex has expanded in several phases, substantially increasing its production capacity. At present, the total investment which has been made in the said complex is USD 1.5 Billion.

By focusing on chemical and industrial markets, ASC is capable of producing Caustic Soda (NaOH), Ethylene Dichloride (EDC), Vinyl Chloride Monomer (VCM), Polyvinyl Chloride (PVC), Hydrochloric Acid (HCl), and Sodium Hypochlorite (NaClO). After the expansion of its plant in 2016, ASC becomes the largest integrated Chlor Alkali-Vinyl Chloride plant in Southeast Asia.

ASC's shareholders consist of AGC Inc. - Japan, PT Rodamas - Indonesia, Benny Suherman - Indonesia, and Mitsubishi Corporation - Japan.



Benny Suherman

Mitsubishi Corporation
JAPAN

The Plant



PT Asahimas Chemical (ASC), located in Cilegon - Banten, Indonesia with 91 hectares land area.



Milestones

Since PT Asahimas Chemical had commenced its first commercial production, it has been seeking to make people's life easier by providing a good quality of chemical products. PT Asahimas Chemical is constantly motivated to expand its plant in order to explore its rich history and improve the quality of its product so that it will meet customer's requirement.

With 30 years of experience, ASC continues to deliver the commitment to customers by upholding high values and effectiveness.

We always try to ensure that customers have better experience by relying on our expertise and products.



The Products

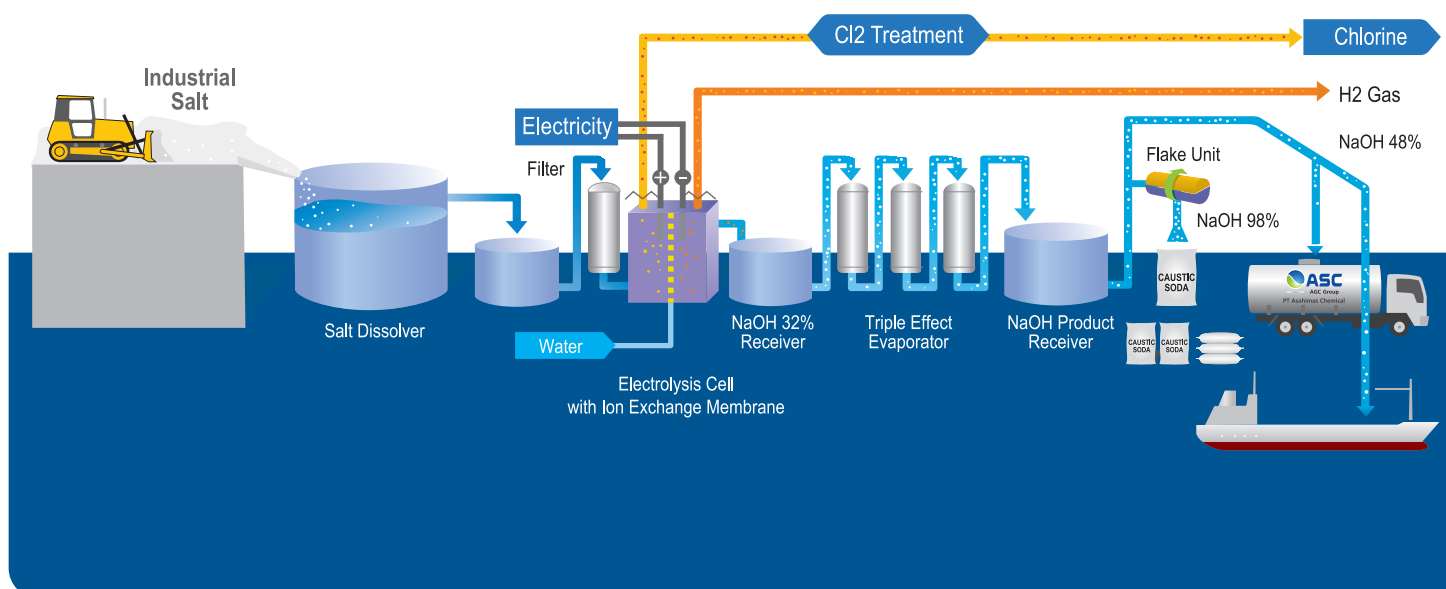
Chlor Alkali



In the Chlor-Alkali plant, the industrial raw salt is dissolved in the water and refined further. Afterward, the concentrated salt solution is electrolyzed to produce Caustic Soda, Chlorine gas and Hydrogen.

This plant utilizes Ion-Exchange Membrane Technology. The benefits of this particular technology are, among others, superior product quality, low energy consumption and pollution free.

Chlor Alkali Flow Process Diagram



Product Application :

Caustic Soda (NaOH) is essential material and support material for Soap, Rayon, Textiles, Diapers, Pulp and Paper, Food Seasoning, Oil Drilling, Alumina and other industries.

Hydrochloric Acid (HCl) is used in MSG, Zinc Chloride, Galvanizing, and other industries.

Sodium Hypochlorite (NaClO) is used in Rayon, Textile, Paper, Laundry and Water Treatment, and other industries.



Alumina



Textiles & Diapers



Rayon



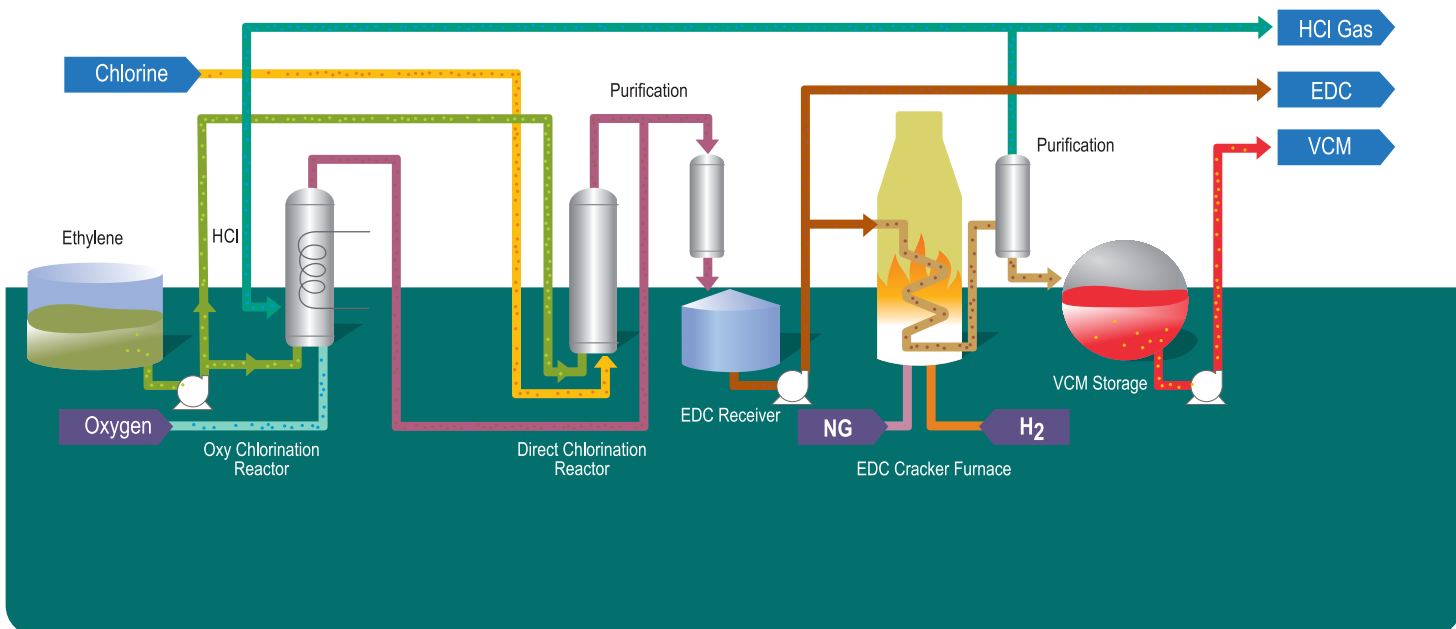
Soap

EDC/VCM



Chlorine from the Chlor-Alkali plant reacts with Ethylene to produce Ethylene Dichloride. Afterward, EDC is separated into Vinyl Chloride Monomer and Hydrochloric Acid. The flow process shows the work process of Direct Chlorination and the method of its combination with the Oxy-Chlorination process.

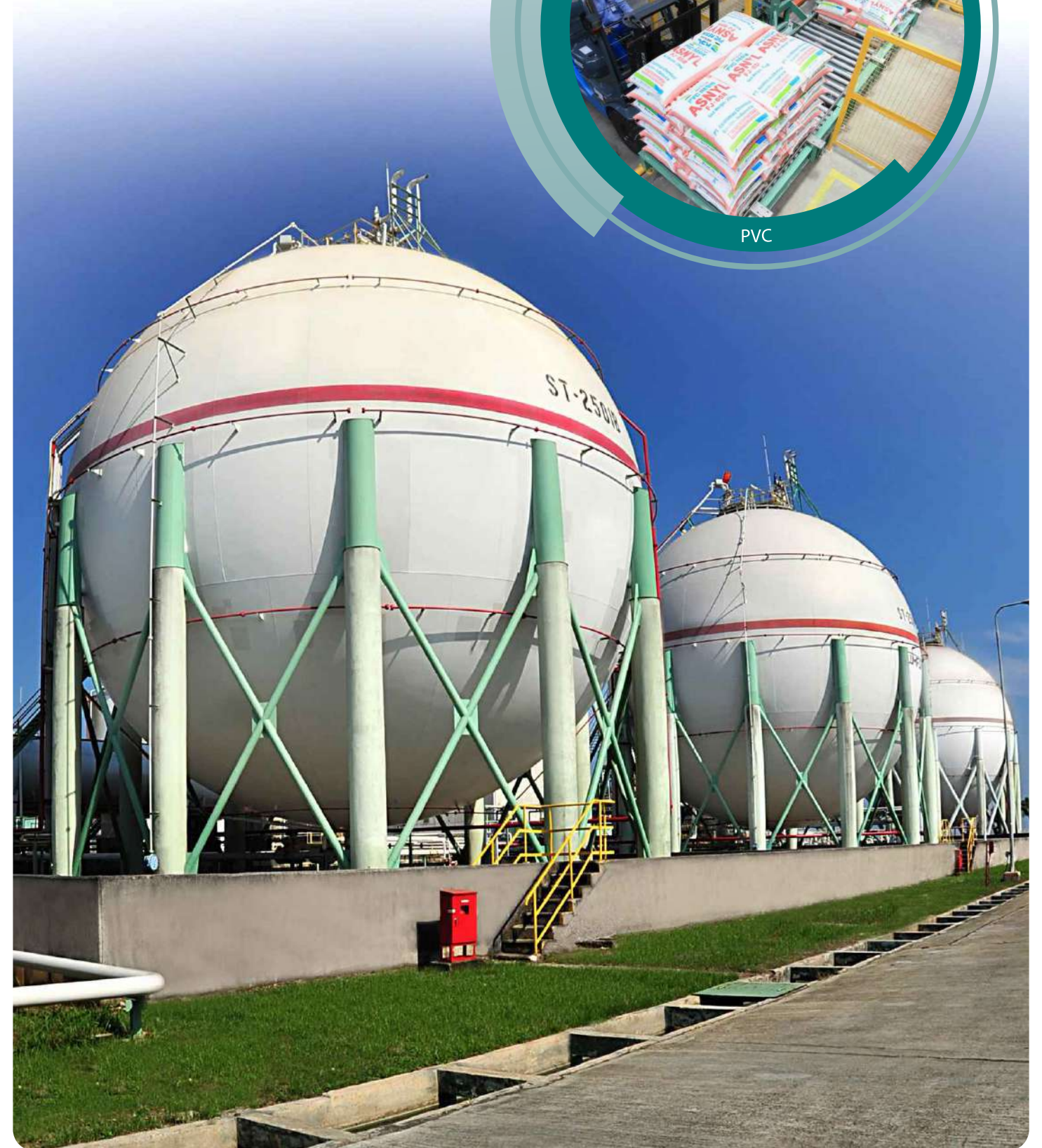
EDC/VCM Flow Process Diagram



Product Application :
Raw material for Polyvinyl Chloride (PVC)



PVC

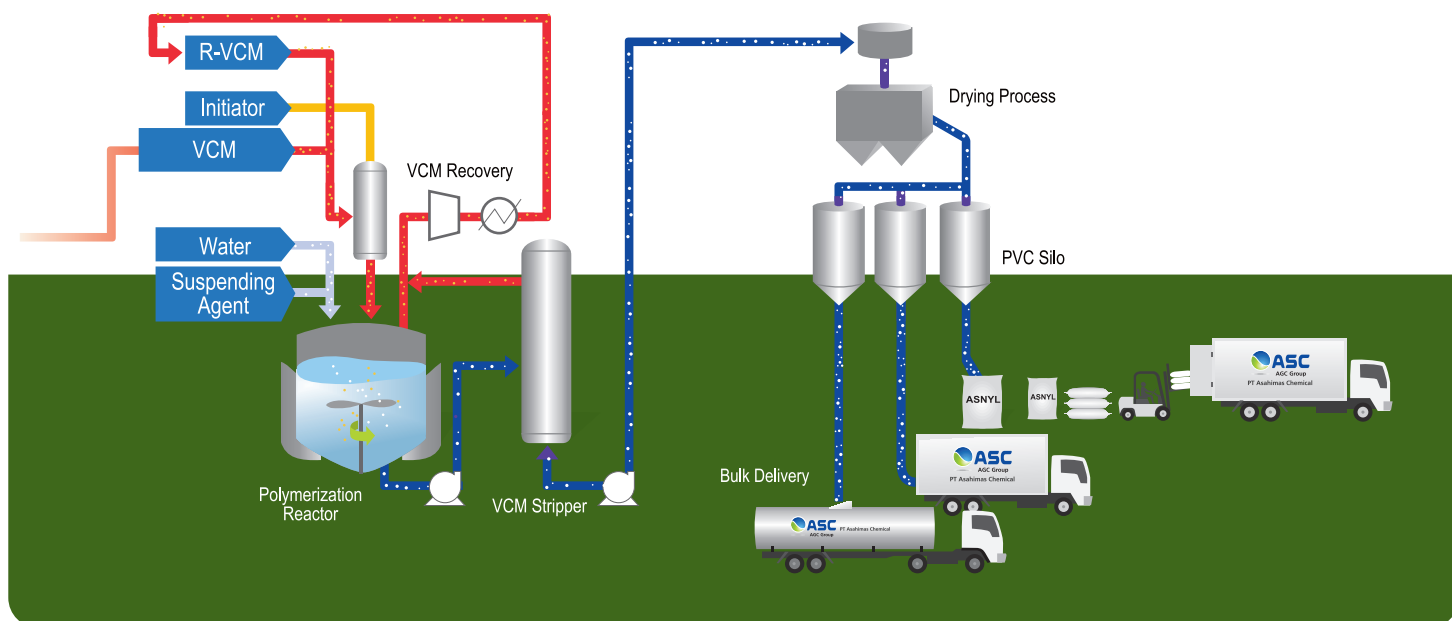


PVC



The Polyvinyl Chloride (PVC) process is divided into three stages: Polymerization, VCM stripping and Product drying. Vinyl Chloride Monomer (VCM) is polymerized in a batch reactor.

PVC Flow Process Diagram

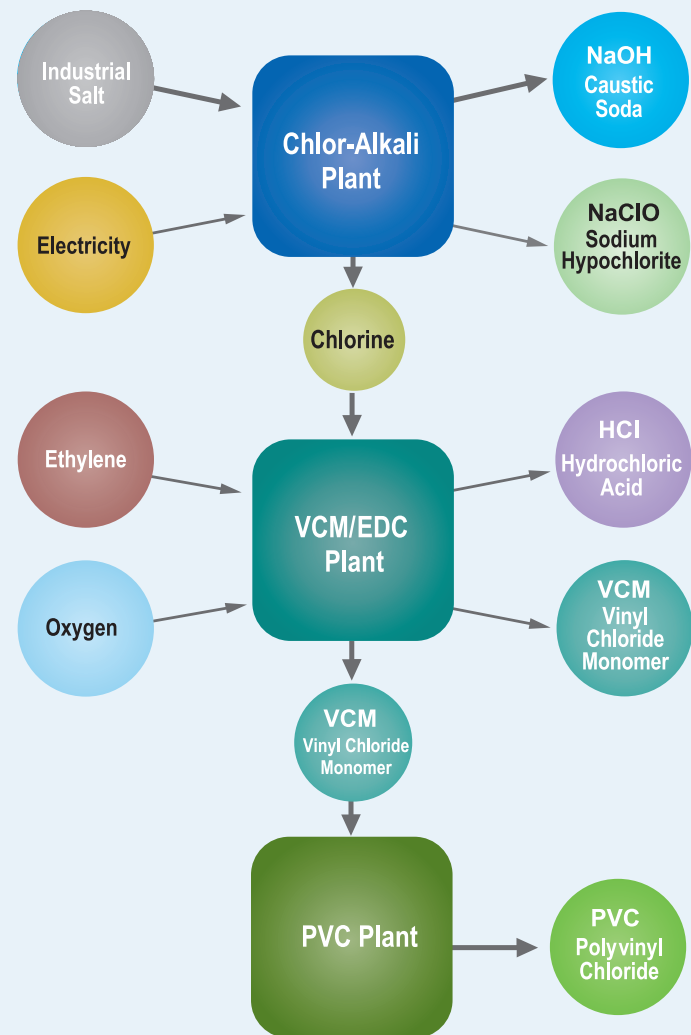


Product Application :

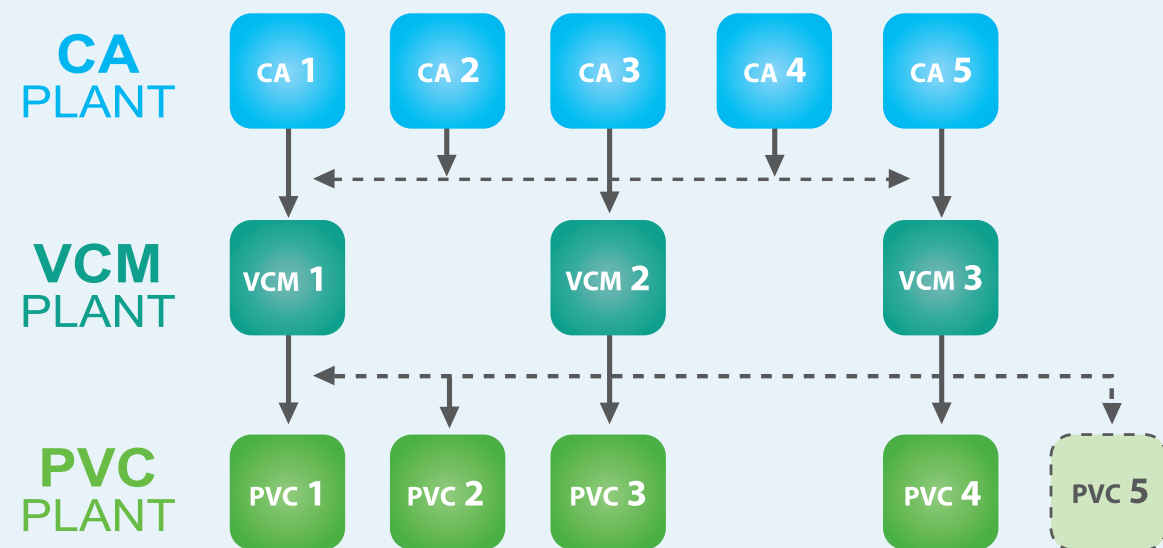
PVC Resins are the raw material to produce Pipe & Fittings, Electric Cable, Synthetic Leather, Packaging material, Hose, Foot Wear, Container and Constructions Materials, Vertical Curtain and other plastic materials.



Production Process



Production Line



The Technology



The next challenge is that we will be embracing the digital era to elevate our growth.

Digitalization intelligence and other state-of-the-art technology are on their ways to seize our world-class reputation. We put high priority on top level of efficiency and productivity.

“Quality is our passion”

We extract innovations to find the prime formula for our products. We dissolve, refine and purify ideas to ensure that our people, process, product are on the way to meet customer's needs.

Operational excellence is at the heart of PT Asahimas Chemical to ensure that Quality Assurance and Safety Assurance are properly applied and followed.



/// The People

“Our success depends on the wholehearted contribution of a talented and diverse workforce”

We have professional experts best in their fields to address growing team work, ideas, talents, background are perfectly blended with innovations, solutions and outstanding performances to deliver the highest quality.



Safety & Environment

Chemistry for a Blue Planet AGC Chemicals

“Creating a safe, secure, comfortable and environmentally friendly world with chemical technology”

We are fully committed to ensuring and protecting people and the environment as a part of all our actions and decision making.



“No production without assurance of safety”



/// The Satisfaction

“We always keep our commitment to extend beyond customer satisfaction”

In ASC, we also strive to do everything right at the first time and do our best to continuously improve the quality of product that meet customer requirements at all times.

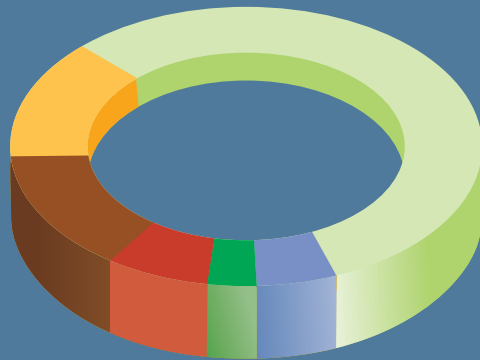


Application & Distribution

Driven by large capacity, we have been supplying most of Asian countries, Middle East and Australia with our three major products: Caustic Soda, VCM and PVC, ASC is confident to meet the growing demands from around the globe.

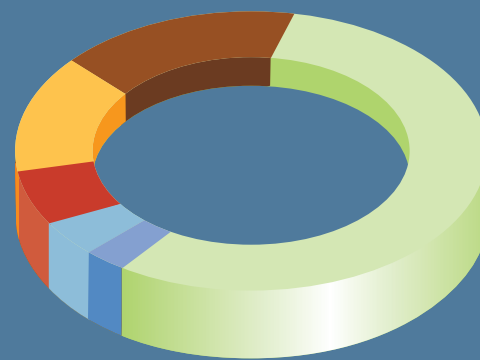
Application in Indonesia

Caustic Soda



- Rayon
- Alumina
- Chemical
- Soap
- Textile
- Foot Wear
- Others

PVC



- Pipe & Fitting
- Film
- Cable
- Hose
- Foot Wear
- Others

ASC's export coverage



Corporate Social Responsibility



Contributed Bench and Seats of School



External Class Tutoring



Preservation of Coral Reefs



Kindergarten School Construction



Child Health Center

“We are fostering the national interest through the Company Social Responsibility activities”

PT Asahimas Chemical creates chemical that connects with the community through education, environment and social programs for our neighborhood.

We hope these initiatives make a significant contribution to foster immense sense of living as well as elevate the local economic.



ASC & Local Society Fun Walk