

# Zeon Chemicals Singapore Pte. Ltd. (ZCS)

## Company Profile

### Business Description

Manufacture and sales of synthetic rubber, primarily for fuel-efficient tires

- S-SBR: Solution-polymerized styrene butadiene rubber
- Terminal modified butadiene rubber

Established in 2010, Zeon Chemicals Singapore began full production of S-SBR for fuel-efficient tires on Jurong Island, Singapore, in April 2014. ZCS began a second production line in April 2016, and ships products to countries in Asia, Europe, and around the world.

### Location

Jurong Island, Singapore

No. of Employees

As of March 31, 2019: 95

Hiring in FY 2018: 13



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Product image



Fuel-efficient tire made with S-SBR

## Company Policy (Executive Message)

Our goal is to become a company that embodies Zeon's philosophy of "Contributing to the preservation of the Earth and the prosperity of the human race." We are working to carry out the Zeon philosophy by manufacturing and supplying synthetic rubber for fuel-saving tires that contribute to the global environment. We doubled production capacity in March 2016, retrofitted equipment to achieve even higher performing products in June 2017, and have steadily increased sales volume. In 2018, sales volume was 20% higher than the previous year. Our action policy is to be a company that contributes to society, achieves customer satisfaction, and makes all its employees happy. Not only do our products contribute to reducing global warming gas emissions, we are also working to make the sites that manufacture those products safe and earth-friendly plants.



President  
Hiroshi Takegami

## Safety Initiatives

### Policy

We decide the action items to achieve our goals of zero lost-time accidents and zero serious safety abnormalities.

### Specific Initiatives

1. Monthly safety patrols
2. Systematic acquisition of qualifications by employees
3. Periodic trainings using safety videos
4. Regular checks of safety indicators decided by each department

## Environmental Impact Reductions

### Policy

Our environmental policy is established as part of the HSE Policy\*

\*HSE Policy

Health, safety, and environment policy

### Specific Initiatives

Water resources are a particular problem in Singapore with its limited land area. In order to use water, which is such a precious resource, more efficiently, we are continuing to implement measures to reduce our industrial water consumption intensity. In FY 2018, we successfully improved our efficiency by 6% year on year. In addition, we cut energy consumption and CO<sub>2</sub> emissions by 7% in 2018, and we are committed to making further reductions in the future.

### Environmental Data

\* "0" indicates less than 0.5 tons, and "0.0" indicates less than 0.05 tons

Zeon Chemicals Singapore Pte. Ltd. (ZCS)		FY 2014	FY 2015	FY 2016	FY 2017	FY 2018
Industrial waste	Amount generated before compacting (tons)	0	0	0	0	0
	Amount sent to landfills (tons)	0	0	0	0	0
Water resource consumption (1,000 m <sup>3</sup> ) (industrial water + groundwater + waterworks)		312	402	417	458	471
CO <sub>2</sub> emissions (tons)		39,180	43,533	56,400	67,221	62,396
Energy consumption (crude oil equivalent, kL)		17,575	19,227	24,911	29,680	27,536

## Relationship with Employees

### Policy

Human resources are assets vital to the success of our business, and we will solidify our business foundation by accurately and fairly conducting activities related to recruitment, placement, training, evaluation, and treatment of employees.

### Specific Initiatives

Conduct local hiring with an open door, irrespective of gender or race. Start appointing locally hired employees to key positions, and develop and utilize local managers and supervisors. Incorporate training by instructors from plants in Japan and dispatch employees to Japan for training.

## Relationship with the Local Community

### Specific Initiatives

As more than 90% of our employees are local hires, we contribute to the local community through employment. We are creating new employment opportunities on an ongoing basis.

In addition, 30% of employees who play key roles in plant operations receive plant operation management training in Japan, contributing to the transfer of technology.