

# 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
- BR (butadiene rubber)

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

### Location

Jurong Island, Singapore

### No. of Employees

As of December 31, 2021: 87

Hiring in FY2021: 8



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Product image



Fuel-efficient tire made with S-SBR

## Company Policy (Executive Message)

We aim to become a company that continuously grows sustainably alongside society by embodying Zeon's philosophy of "Contributing to the preservation of the Earth and the prosperity of the human race," and through the manufacture and sale of synthetic rubber for fuel-saving tires that contribute to the global environment.

Our code of conduct is to meet the expectations of society and satisfy our customers. The foundation of achieving this is the happiness of our employees.

We are promoting production activities guided by the principle that "safety is the foundation of our business activities and takes precedence over everything else." Not only do the products that we create contribute to reducing global warming gas emissions, we are also working to maintain the sites that manufacture those products as safe and earth-friendly work sites.



President  
Masao Akasaka

## 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 safety training
4. Regular checks of safety indicators decided by each department

## Environmental Impact Reductions

### Policy

We have formulated a HSEQEn Policy\* integrating all aspects of health, safety, environment, quality, and energy efficiency. We have also obtained various associated certifications (ISO 14001, ISO 45001, ISO 9001, ISO 50001)

\*Health, Safety, Environment, Quality, Energy)

### Specific Initiatives

We have put in place plans to reduce our water consumption, CO<sub>2</sub> emissions, and energy consumption, and are promoting these on an ongoing basis. While consumption and emissions levels were greater in 2021 than in 2020, the levels for both consumption and emissions per unit of manufactured product volume are decreasing, which can be regarded as an indicator that the effects of various measures are becoming evident.

### Environmental Data

Zeon Chemicals Singapore Pte. Ltd. (ZCS)		FY2019	FY2020	FY2021
Industrial waste	Amount generated before compacting (tons)	0	0	0
	Amount sent to landfills (tons)	0	0	0
Water resource consumption (1,000 m <sup>3</sup> ) (industrial water + groundwater + waterworks)		411	404	479
CO <sub>2</sub> emissions (tons) Scope 1		-	-	818
CO <sub>2</sub> emissions (tons) Scope 2		-	-	91,787
CO <sub>2</sub> emissions (tons) Scope 1+2		80,660	81,167	92,605
Energy consumption (crude oil equivalent, kL)		-	18,316	21,166

## 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, contributing to society and achieving happy employees.

### Specific Initiatives

Conduct hiring with an open door, irrespective of gender or race. Appoint 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.