

## Process Safety and Disaster Prevention



We endeavor to eliminate process accidents through initiatives that ensure that our facilities are safe and secure. We also undertake activities to minimize damage in the event of large earthquakes. In fiscal 2018, we focused on reducing risks to eliminate process accidents, improving safety at certified high-pressure gas sites, and implementing earthquake and tsunami measures.

Efforts to reduce risks to eliminate process accidents focus on comprehensively identifying risks, emphasizing employee education, sharing

internal and external accident cases, providing proposals on close-calls, and harnessing new technical knowledge. We also address identified risks by systematically formulating drastic measures and thereby building business sites that are impervious to accidents.

For certified high-pressure gas sites, we obtain regular assessments from the Japan Safety Competency Center, undertaking ongoing efforts to enhance safety at these facilities in light of findings from such evaluations.

Earthquake and tsunami measures encompass enhancing responsiveness by formulating and executing emergency plans. We also respond to the Industrial Process Safety Action Plan of the Japan Petrochemical Industry Association.

## Occupational Safety and Health



### Measures to Prevent Occupational Accidents

#### Fostering a Safety-Driven Corporate Culture

To make existing safety activities more comprehensive and effective, in fiscal 2016 we launched initiatives aimed at fostering a safety-driven corporate culture, encompassing eight elements. These are organizational governance, positive involvement, resource management, work management, motivation, learning and knowledge transmission, risk perception, and mutual understanding. We are examining existing activities in light of these elements, and are stepping up efforts to tackle and overcome weak areas.

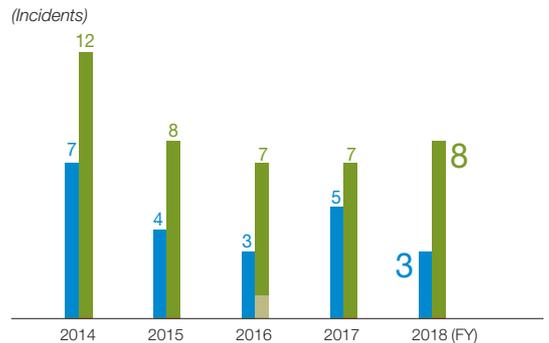
#### Eliminating Major Disasters

We have undertaken a range of activities to prevent occupational accidents. In fiscal 2018, we initiated efforts that centered on eliminating major incidents. We conduct risk assessments of work in which people might fall, be caught or entangled in machinery, or come into contact with hazardous materials. We implement systematic risk reduction measures and endeavor to make operations inherently safe.

We investigate the causes of all incidents regardless of whether they result in lost time, striving to prevent similar incidents by assessing and rolling out measures.

#### Number of Fatal and Lost-Time Incidents among Domestic Operations

Number of Lost-Time Incidents  
 ■ UBE Group employees  
 ■ Employees of partner companies of UBE Group  
 ■ Number of fatal incidents



#### Lost-Time Injury Frequency Rate

● UBE Group employees  
 ● Employees of partner companies of UBE Group  
 ● Cement industry and cement manufacturers  
 ● Chemical industry  
 ● Manufacturing industry (Ministry of Health, Labour and Welfare statistics)

