

# Occupational Safety and Health

Penta-Ocean Construction gives top priority to safety in construction work, with the basic policy of respecting each person. In the construction field, Penta-Ocean obtained the "certification

of COHSMS" early, and continues safety and health management with "PENTA-COHSMS."

## Health & Safety, Quality and Environmental Policy

Penta-Ocean Construction Group shall aim to be a company that grows sustainably as a trusted corporation and attractive to all our stakeholders through promoting construction activities taking utmost consideration of health & safety, quality and environment, as well as through complying with all relevant laws and other requirements.

We shall provide products and services that give satisfaction to our customers by devoting our full efforts to prevent all accidents through safety-first construction with respect for people forming basic stance in the management philosophy of this Company. Together with this, we shall establish trust from society through friendly business operation to the global environment.

## Health & Safety Activities Guidelines

- 1 We shall strive to prevent worker accidents as well as all other accidents, including public accidents.
- 2 We shall form comfortable workplace environments by preventing occupational diseases and promoting healthy mind and body.
- 3 We shall conduct health & safety inspection activities based on cooperation between employees and partner companies with the aim of improving its level.

## Examples of Accident Prevention Activities

### 1 Efforts to Prevent Fall Accidents

The Company has introduced an "Immediate Red Card for the Non-use of Safety Belts System" that sees those who fail to use safety belts when working at height and sent out of the plant in order to ensure that employees use safety belts with the aim of achieving "zero fall accidents."

\*Workers who have been ordered to leave the plant are allowed to return to work after again undergoing safety training.

### 2 Efforts to Prevent Crane Accidents

We are implementing hands-on sling education that incorporates

the "3-3-3 Exercise" by actually allowing all workers to use cranes with the aim of achieving "zero crane accidents."

\*3-3-3 Exercise: This is an exercise to give recognition about the risks of slinging work by making all workers aware of the following rules: "Move 3m away from a suspended load once slung," "temporarily stop hoisting at 30cm" and "wind up 3 seconds after hoisting."

### 3 Enhancing On-site Communication

We are working on the promotion of a "Sympathetic Friendly Greeting Campaign" that aims to achieve "zero incidents, accidents and illnesses" by creating a safe, healthy and lively workplace culture.

# Environmental Initiatives

Our environmental preservation initiatives include actions to fight against global warming and to counter the environmental impact of

our business activities and the inappropriate management of chemical products.

## Against Global Warming

### Efforts for reducing carbon dioxide emissions

We have set the goal of reducing our 1990 CO<sub>2</sub> emissions by 20% by 2020, and have acted on this goal by surveying and keeping records on CO<sub>2</sub> emissions since 2004. In 2015, we took samples from a total of 140 construction sites (81 civil engineering sites and 59 building construction sites) to aggregate CO<sub>2</sub> emissions. The results showed emissions of 89.2t CO<sub>2</sub>/100 million JPY in civil engineering, 15.8t CO<sub>2</sub>/100 million JPY in building construction, and 47.9t CO<sub>2</sub>/100 million JPY across the organization, which exceeded the total reduction target of under 48.01t CO<sub>2</sub>/100 million JPY. By 2015, we had achieved a 15.9% reduction on 1990 emissions, falling short of the long-term reduction target of 20% by 2020.

### Energy Saving in the Office

As a measure to fight against global warming, we implement the "Cool Biz & Warm Biz" energy-saving campaign, which involves dressing to suit the weather. In 2014, our main office building underwent seismic resistant repairs and equipment renewal, and our offices are now equipped with LED lighting and new air conditioning devices. In 2015, we recorded a 3% year-on-year reduction in electricity consumption. We take meticulous energy-saving measures across the organization, which include turning off lights during lunch breaks, partial lights out when leaving the office, setting more eco-friendly air conditioner temperatures, limiting the zones occupied by overtime workers, using fans instead of air conditioners, and limiting the number of elevators in use during weekdays and weekends.

### Basic Environmental Guidelines

1. We shall contribute to a recycling-oriented society and preserve the natural environment by preventing global warming.
2. We shall prevent environmental accidents.
3. We shall enhance mutual communication with local communities and conduct eco-friendly planning and construction, while developing technologies to preserve and restore the environment.
4. We shall communicate with all our stakeholders to enhance their awareness of the importance of environmental preservation.