

February 6, 2026  
TAYCA CORPORATION

## Received the Outstanding Achievement Award in Industrial Category at the Cogeneration Awards 2025

TAYCA CORPORATION (hereinafter “the Company”) applied jointly with Daigas Energy Co., Ltd. to the Cogeneration Awards 2025 hosted by the Advanced Cogeneration and Energy Utilization Center JAPAN (commonly known as ACEJ) and received the Outstanding Achievement Award in Industrial Category.

To achieve a decarbonized society, the Company has replaced its conventional coal-fired boiler turbine system with an LNG-fueled gas turbine cogeneration system. It is designed to maximize the utilization of high-temperature, low-temperature, and cold heat sources, converting it into a system that makes the fullest use of thermal energy. Additionally, it ensures continued power supply to critical loads during emergencies, enhancing power security. The award recognizes the reduction in CO<sub>2</sub> emissions and maintenance costs achieved through fuel conversion and the introduction of the new system.

The Company will continue to pursue environmental conservation through all its business activities.

### <Overview of the Award>

#### 1. Title

Construction of an Environmentally Friendly and Energy-Efficient Energy System through Fuel Conversion from Coal-Fired Power Generation - Case Study of Introduction at Tayca Okayama Factory -

#### 2. Award Recipients

TAYCA CORPORATION

Daigas Energy Co., Ltd.

#### 3. Main Features

- (1) Installed two-stage economizers downstream of the gas turbine exhaust gas boiler to maximize exhaust heat utilization.
- (2) Utilized cold heat from LNG vaporization for gas turbine intake air cooling.
- (3) Adopted an LNG pump to reduce auxiliary power for the gas turbine gas compressor.
- (4) Achieved cost reductions through exhaust heat recovery and drain recovery.
- (5) Realized independent parallel operation of generators from different manufacturers and prime movers.
- (6) Designed for BCP compliance, enabling standalone power supply during outages.
- (7) Enhanced safety and noise countermeasures for coexistence with neighboring residents.

※For more information, please see [here](#) (the official website of the ACEJ).



Exterior of Okayama Factory



Exterior of LNG Satellite Facility



Scene of the Award Ceremony