

## **NAS TOA (Thailand) Co., Ltd. Introduces Self-Consumption Photovoltaic Power Generation System**

NAS TOA (Thailand) Co., Ltd., a group company of Nippon Yakin Kogyo Co., Ltd. and NAS TOA Co., Ltd. (manufacturing and sale of welded pipes made of stainless-steel and high-performance alloys), has installed in May 2024 a self-consumption solar power generation system on the plant roof at its Bangpoo factory (Samutprakarn Province, Thailand). It has been officially approved by the Metropolitan Electricity Authority in July 2025.

### **1. Background**

Nippon Yakin Kogyo identifies “reduction of global environmental impact through business activities (e.g. minimization of CO<sub>2</sub> emissions)” as an issue of materiality. As a specific initiative in this regard, the company emphasizes the effective use of green power.

Also, the Nippon Yakin Kogyo Group as a whole is working to realize carbon neutrality.

### **2. Outline**

This is aimed to introduce efficient renewable energy by taking advantage of the tropical climate and the roof of a factory located on the company’s premises.

Since small businesses are not allowed to sell electricity in this area, the capacity of the system is based on the amount of electricity used, and priority is given to the use of electricity generated by solar panels, with any shortfall, mainly at night, purchased from the Metropolitan Electricity Distribution Authority as in the past.

The Government of Thailand encourages the use of renewable energy because of the need for environmental conservation and energy security. The new power generation system also uses the Board of Investment of Thailand (BOI)’s preferential tax treatment of the investment.

- Annual power generation: 1.19 million kWh (first year)
- Annual reduction in CO<sub>2</sub> emissions: 711 tons (first year) → Calculated from CO<sub>2</sub> emission factor in Thailand, 0.5986
- Location: NAS TOA (Thailand) Co., Ltd. (Samutprakarn, Thailand)
- EPC Contractor: Panasonic Solutions (Thailand) Co., Ltd.

### **3. Purposes of installation**

- Reduce electricity bills by nearly 25%
- Promote carbon neutrality throughout the Nippon Yakin Kogyo Group through a reduction in CO<sub>2</sub> emissions

### **4. Capital Investment**

Approx. 140 million yen



NAS TOA (Thailand)'s solar power generation system (installed on the factory's roof)

The Nippon Yakin Kogyo Group will continue striving to reduce CO<sub>2</sub> emissions from its business operations and to achieve carbon neutrality through the introduction of renewable energy and promotion of energy saving.

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