

# **3rd Japan Construction International Award** **(2020)**

## Construction Project Category

### Waterview Connection Tunnels and Great North Road Interchange Project New Zealand

#### OBAYASHI CORPORATION

- ▶ 2400m twin shield tunnels connected missing link in the circular highway in Auckland. This project has eased traffic congestion and improved airport access, with over 60,000 daily traffic.
- ▶ New Zealand's first large section shield tunnel (14.5m of bored diameter).
- ▶ Adopting alliance contract where the owner, designers and contractors join the alliance to execute the project and Obayashi participated in critical decision makings as well as tunnel design, construction management and risk management of tunneling.



### Osman Gazi Bridge (Izmit Bay Bridge) Project Turkey

#### IHI Infrastructure Systems Co., Ltd.

- ▶ Construction of the bridge in the Turkey's first BOT (Build Operate Transfer) scheme motorway project with long bridge.
- ▶ Contribution to the development of southwest Turkey: travelling time over Izmit Bay was shortened from 1 hour (by ferry) or 1.5 hours (by land) to only 6 min by crossing this bridge, and total travelling time between Istanbul and Izmir from 9 hours to 4.5 hours with 420 km of the new highway.
- ▶ Global record of construction speed for a long suspension bridge: the bridge, with a total length of 2,682m and a center span of 1,550m (the 4th longest in the world) was completed in only 48 months.



### Sindhuli Road Project (Construction on Section III and Countermeasure Construction against the Landslides on Section II) Nepal

#### HAZAMA ANDO CORPORATION / Nippon Koei Co., Ltd.

- ▶ Section III Phase II is the last part of a 160 km long mountainous road construction connecting Kathmandu with Indian border funded by Japanese Governments' Grant. Slope protection was implemented as remedy to the collapsed slope caused by heavy rain.
- ▶ One month delay caused by political turmoil and other problems was fixed with efforts including dividing working sections and additional deployment of equipment and workers.
- ▶ Japan's well proven technologies for disaster prevention were transferred to support the sustainable development of Nepal, where 80% of the land is mountainous.



## SMEs\* Category

※Small and medium-sized enterprises

#### GIKEN SEKO CO., LTD.

- ▶ Based on the Press in Method, a methodology that enables safe and space saving pile installation with low noise and vibration, the company is expanding the business globally.
- ▶ In 1983, GIKEN SEKO exhibited a piling machine called Silent Piler™ developed by GIKEN at an international exhibition in Germany. During the exhibition, features of the Silent Piler™, safe, space saving, low noise and low vibration were highly praised, and GIKEN SEKO received its first overseas project in Germany that same year. Since then, the company has expanded its business, introducing the Press in Method to more than 40 countries and regions worldwide.



#### ONODA Inc. ※Company name changed from Helios Holding Co., Ltd.

- ▶ Promoting installation of quality gas meter for prepaid supply in Bangladesh and other countries.
- ▶ To solve the over consumption of city gas in Bangladesh, the company introduced pre-paid gas meter to the country. It is working on the installation of total 260 thousand meters under the JICA's proposal based pilot project and Yen Loan project.

