Disaster Prevention and Infrastructure Technology Seminar in the Philippines Company Introduction <u>Materials</u>

Photographs, illustrations, etc.



Company Name

Kochi Marutaka Co. Ltd

Product Introduction

 \bigcirc SqC Pier MethodThis is a temporary pier and platform that uses steel pipes for the support piles.

There are two methods:

"Upper Panel First Erection Method", in which the factory-fabricated panelized superstructure is first erected and then the support piles are driven in, and

"Pile Cap Method", in which the support piles are driven in first and then connected to the superstructure via pile caps.

The upper panel first erection method is advantageous for installation on steep terrain or above water,

while the pile cap method is advantageous for installation on relatively flat ground where a long span is required. This is the photo of the product installed in Pakistan.

(2) The amphibious vehicle can move and operate both on land and on water as a "floating amphibious excavator" with side floaters and outboard engines/propellers.

It can be provided in small and medium-sized rivers, coastal residential areas, or pumping station reservoirs.

The floating amphibious excavator can move on uneven ground using crawlers to approach the desired work location above and below water. When dredging work is performed in shallow water, the crawlers are used to support the main body and move.

The excavator is equipped with a propeller, which allows movement in all directions on the water.

The spud attached to the excavator is lowered when dredging work is performed in deep water areas up to 4 meters.

Our floating amphibious excavator can be disassembled when it needs to be transported by truck, and there are three components: the main body and two side floaters.

The assembly of these parts on site can also be completed in three simple steps.

This photo was taken during a demonstration test conducted in Las Piñas, Philippines, as part of JICA's accomplishment

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Company Name

Shimanto Concrete Co., Ltd.

Product Introduction

"GUARDIAN, large prefabricated blocks for retaining walls"

Many construction methods and materials are available for the purpose of disaster prevention and mitigation, for road retaining wall construction and disaster recovery work.

but "GUARDIAN" is a technology that can build concrete retaining walls of various shapes in a short period of time.

These are large factory-assembled blocks that use a completely new and revolutionary construction method that does not change the external dimensions of the structure product, ensures the specified performance (structural strength and stability) by using filled concrete, and meets all the requirements such as "stronger, lighter, cheaper, and faster construction."



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Company Name

GIKEN SEISAKUSHO ASIA., PTE. LTD.

Product Introduction

At GIKEN, we take pride in revolutionizing the construction industry with our innovative piling machine, SILENT PILER[™]. Utilizing our globally recognized Press-in Method, SILENT PILER offers unmatched advantages for modern construction needs. Designed for efficiency and precision, this machine operates with low noise, no vibration, and a compact structure, making it the ideal solution for challenging environments. Whether you're working over water, in restricted headroom areas, or near existing buildings, SILENT PILER ensures safe and seamless operations even in the most constrained spaces.

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