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Meidensha Corporation

Meiden introduces a health management system for construction workers to eliminate labor accidents and promote health management

Meidensha Corporation (Meiden)'s Plant Construction & Engineering Business (PCEB) Group has started operating a new health management system for its employees who engage in on-site construction work. The system is designed to eliminate labor accidents linked to age-related decline in physical abilities and promote health management of these employees. Its development was commissioned to Jhoson Documents Inc. based in Takamatsu, Kagawa Prefecture.



The health management system introduced by Meiden's PCEB Group

■ Social background behind the introduction

Japan is experiencing a decline in its working-age population, leading to concern about the aging of construction workers and labor shortages. In this context, there has been an increase in accidents where older workers fall down and are injured due to declining physical abilities. Therefore, it is urgent to implement measures to prevent such accidents.

■ Features of the health management system

Developed under the supervision of Professor Akihiko Katayama of the Faculty of Sociology at Shikoku Gakuin University, the system is designed to evaluate four physical elements: "muscle strength," "flexibility," "balancing power," and "endurance" through five different tests. Using original criteria, the system calculates an employee's "muscle age." The measurement results provide an objective assessment of the current physical abilities and strength of employees.

Managers can review the muscle age of workers who took the test and use this information to appropriately assign workers to construction sites. Employees can compare current test results with previous ones to monitor changes in their physical condition. Some of the test items incorporate on-site knowledge accumulated by Meiden's PCEB Group.

The Meiden Group is committed to proactively implementing various measures to enhance the safety and health of on-site workers.