

i-Construction Infrastructure DX Promotion Consortium

Japanese Industry-Academia-Government Partnership founded in 2017

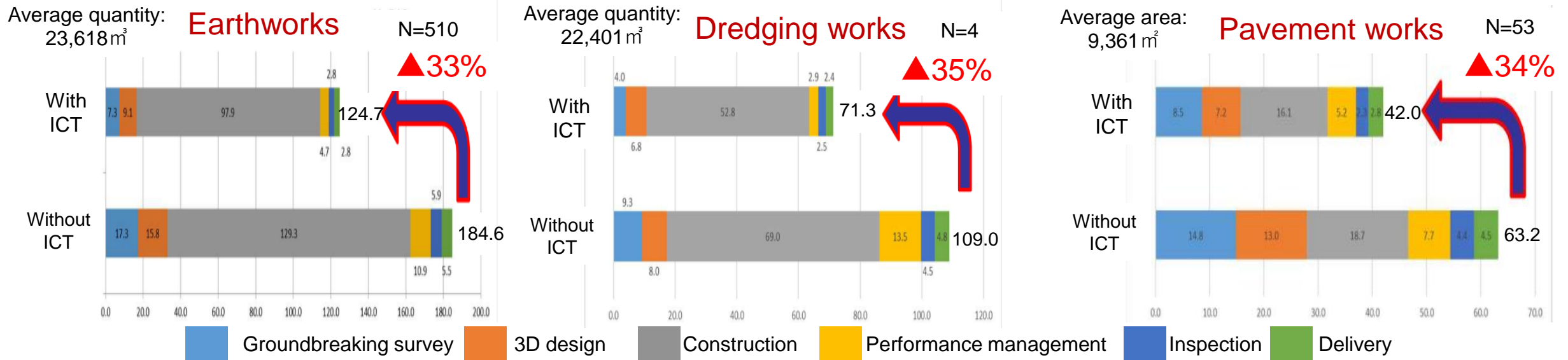


Introducing a new construction method that uses 3D data to link the construction process, mainly from (1) survey, (2) design, (3) construction, and (4) inspection process

● What is the role of i-Construction?

i-Construction refers all efforts that fundamentally improve productivity at the construction sites (in all construction production processes from survey, design, construction, inspection, and maintenance/renewal), as well as efforts to improve productivity of the entire construction production system.

◆ Example of Reduction in Total Work Hours using ICT through i-Construction Projects (2015-2022)



● Future Goal of i-Construction 2.0 (2023-2040)

- ✓ Target: Enhancement of productivity of construction sites 1.5 times by 2040 compared to 2023 level.
- ✓ How?: By using an automation technology as a manpower-saving measure.
- ✓ Vision: Realizing sustainable infrastructure development and maintenance in a society w/ a declining population.