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JGC Corporation operates overseas engineering, procurement, and construction (EPC) businesses mainly in the oil and gas plant field. In 2021, JGC purchased a 3D printer manufactured by COBOD International A/S of Denmark and has been conducting verification activities to explore the possibility of applying the 3D printing technology to large-scale structures and plans to conduct on-site printing in a Middle Eastern country in 2024 as an example of actual application. JGC aims to introduce 3D printers to EPC projects in earnest in order to reduce manpower requirements and the construction period at future construction sites, as well as reduce costs and hedge the risk of overseas procurement by using locally available materials at overseas sites.



Demonstration Tour held by JSCE committee



Example of Application: 3D Printed Foundation Formwork