

PIPELINE OF PROJECTS EMPLOYING DESIGN FOR MANUFACTURING & ASSEMBLY (DfMA) TECHNOLOGIES

There is continued strong support from the industry to adopt DfMA technologies in projects. As indicated in table below, there will be 109 upcoming public and private projects in Singapore prescribing DfMA technologies, for construction tenders expected to be called in 2022 and 2023. Advanced Precast Concrete System (APCS) will be the most widely adopted DfMA technology in these two years, particularly in residential, healthcare and school projects, followed by Prefabricated Prefinished Volumetric Construction (PPVC). Awareness of prefabricated Mechanical, Electrical and Plumbing (MEP) systems is growing, with 30 upcoming projects adopting prefabricated MEP systems, out of which 18 are projects with construction value of more than \$95 million.

	≤S\$45 mil	S\$45 mil < X ≤ S\$95 mil	S\$95 mil < X ≤ S\$150 mil	S\$150 mil < X ≤ S\$300 mil	>S\$300 mil	Total
Advanced Precast Concrete System (APCS)	9	20	33	0	2	64
Prefabricated Prefinished Volumetric Construction (PPVC)	1	1	19	1	0	22
Hybrid/ Multi-tech	6	4	3	1	2	16
Structural Steel	1	0	1	1	4	7
Total No. of DfMA projects	17	25	56	3	8	109
Prefabricated MEP Systems	5	7	9	2	7	30

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Source: BCA as at 26 Jan 2022