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Engineering construction period study of ACP100 based on the 'Linglong-1' demonstration project

Abstract: SMR is widely used and flexibly deployed with unprecedented development opportunities, among which the SMR with small investment volume and short construction period will be the main reactor type concerned by countries all over the world. This paper mainly combines the engineering construction experience of the 'Linglong-1' demonstration project to study and analyse the duration of the three engineering phases of civil construction, installation and commissioning of ACP100, and realizes the reduction of the construction period of ACP100 by adjusting the construction design, adopting the modular construction technology and optimizing the construction logic, and further improves the construction efficiency. By adjusting the construction design scheme, adopting modular construction technology and optimising the construction logic, the construction period of ACP100 will be reduced, which will further improve the market competitiveness of 'Linglong-1'.

Keywords: Linglong-1; ACP100; modular construction; schedule optimization ; critical path

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