

## **Land Reclamation of Changhwa Coastal Industrial Park**

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### **Abstract**

Changhwa Coastal Industrial Park (CHCIP) is reclaimed by off islet that is the first application in Taiwan. Reclamation backfill demand is estimated about 120 million m<sup>3</sup> come from buffer channel and offshore exploitation, and the enclosure dike extends about 43 km. This construction work will be developed by phases and by districts, and all infrastructure facilities on newly reclaimed land will be constructed after six months of reclamation settlement. Since 1990, about 2,482 ha has been reclaimed in which 565 ha has been sold. It is expected that the development will be completed in 2001.

In order to minimize the impact occurred during construction, the development needs not only strictly to follow environment impact assessment and to review stipulated by government, but also to do every endeavor taking all-over consideration of best measurements and methods applied in planning, design and construction to mitigate and prevent any potential negative impact. A healthy economic development without scarifying environment is the highest target in the industrial park development.

This paper is aimed at introducing construction methods applied in seawall and reclamation and environment measurements adopted in mitigating environment impact during the development stage of Changhwa Coastal Industrial Park.