

## 近 10 年臺灣砂石產業歷經之挑戰與對策之探討

### A Study of the Challenges and Strategy of Sand and Gravel Industry in Taiwan

施信宏<sup>1</sup> 莊新福<sup>2</sup>

Hsin-Hung Shih<sup>1</sup>, Shin-Fu Chuang<sup>2</sup>

#### 摘 要

砂石為營建工程不可或缺之基礎材料，砂石產業與民眾有著直接或間接的關聯，每人年砂石平均使用量也代表著國家的開發程度。因此，本文透過說明探討砂石產業近 10 年來所歷經的國內外政策、環境與市場的演變及衝擊等挑戰，讓各界瞭解其現況；為了在嚴酷的環境中求生存，除了靠業界本身經營策略的調整外，亦需要政府相關部門的輔導及配合，故對政府及業界提出建議，希望能有助於整體砂石產業之永續穩定經營。

**關鍵詞：**砂石產業、供需、對策。

#### Abstract

Sand and gravel is an essential material for construction engineering. The sand and gravel industry is closely related to public. Meanwhile, the average amount of sand and gravel used for year per person is an indicator of the developing degree of the country. This purpose of this report is to describe the challenges, such as the operation strategies at home and abroad, the change and impacts of environment and market, for sand and gravel industry in the past decade. For improving the competitiveness of the sand and gravel industry greatly, it depends not only on the adjustments of business strategies, but also on the assistances and cooperation from government departments. To the end, many suggestions were provided to related governmental agencies and industries.

**Key words:** Sand and gravel industry, Supply and demand, Strategy.

#### 一、前 言

砂石為營建工程不可或缺之基礎材料，這些工程所使用之砂石並非直接由河川或陸上挖取而得，而是必須配合工程之要求，從河川、陸上或海域採取之土石，經由運輸至砂石碎解洗選場（以下簡稱：砂石場）加工處理，製成各種粒徑之砂及碎石骨材成品後，始可作為工程建築材料，而其中砂石碎解洗選場即扮演砂石加工之重要角色。

---

101 年 12 月 17 日收件 102 年 2 月 22 日受理

<sup>1</sup>經濟部礦務局技正（Technical Specialist, Bureau of Mines, MOEA）。

<sup>2</sup>台灣區土石採取業同業公會顧問（Consultant, Association of Taiwan Soil & Gravel Industry）。