

**SUITANABLE DRAINAGE SYSTEM SOLUTION (SUDS)
FOR THE INDUSTRY IN VIETNAM: THE TYPICAL STUDY
APPLIED ON THE HIGH TECH
LONG THANH-DONG NAI PROVINCE**

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Summary

According to the orientations for urban water drainage and industrial parks of Vietnam up to 2025 with a vision to 2050 approved by the Prime Minister in 2009, planning of drainage system for Long Thanh Hi-tech industrial park - Dong Nai must develop in a sustainable manner - rain water will be collected, treated and re-used to ensure standards and technical regulations, encourage the reuse of rain water for living, production to save water resources, minimize the use of groundwater and surface water resources, towards sustainable drainage. Conservation, development and effective use of ponds and lakes (natural and artificial) to regulate rain water contribute to reducing local inundation in the industrial park, while creating the landscape and serving the activities of industrial area. This study is therefore designed to provide a new approach to the above-mentioned approach, which is to apply sustainable drainage system solutions. This is a new sustainable drainage approach that contributes to the problem of flooding but still ensures the natural landscape. There are many drainage solutions that are sustainable but within the framework of the study one basic and popular solution have been used in many places such as rainwater collection (detention), permeable pavement. The results show that the solution to collect rain water and permeable pavement is effective in minimizing flooding and is capable of high practical deployment. Since then, the research has provided solutions to improve motivation and ability to improve the efficiency of practical implementation of solutions.

Keywords: *Sustainable drainage system, SUDS, industrial drainage, Dong Nai.*