

Building a geographic information system to manage industrial parks in Thai Nguyen province.

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Abstract: In the context of rapid economic development and urbanization, effective management of industrial parks (IPs) is an urgent requirement. This study focuses on building a geographic information system (GIS) to support the management process of IPs in Thai Nguyen province. Through a combination of theoretical research and experimentation, the study will propose solutions to optimize space utilization and enhance the operational efficiency of IPs. Modern GIS tools are applied to collect, organize, and analyze data on IPs, thereby contributing to improved planning and sustainable management in the region. This study not only provides practical value in supporting IP management decisions but also contributes to GIS research in the field of urban management.

Keywords: Geographic Information System, Industrial Park, Urban Management, Spatial Analysis, Applied Research