

Application of remote sensing technology in Water Conservancy project construction

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Abstract: Remote Sensing technology is based on the electromagnetic wave theory , applied in sensing instruments , to collect and process radiation from long-range targets and anti- emitted electromagnetic Information , then imaging , A comprehensive technique for surveying and identifying ground objects . based on this , Exploring Remote sensing Technology basically , Discussion on rational application of remote sensing technology in Farmland Water Conservancy project construction , How to service The Water Conservancy project .

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from century Age Start , Our country's remote sensing technology has come in fast Fast Development phase , More and more widely used in all walks of life . withRemote sensing technology development and application of deep people , its economic establishment in our country The setting occupies an important position . Apply remote sensing to landscape benefits Project construction , its forecast , monitoring of hydrological and engineering safety work Ability , effective control of river basin works, Avoid floods and other disasters bad happen too often .

1. Remote Sensing technology Overview

Remote Sensing equipment is primarily a reflection or that can be measured against a target or background. radiation Electromagnetic wave , then convert incoming electromagnetic signals to telecommunications

2. number and image ,

and records the device . information conversion refers to the information received by the remote sensing device , How to process an electrical signal after processing transfer to ground site , either or directly with the device recycle record . Collection target characteristics are the use of remote sensing equipment and other test equipment multiple times after observing survey targets , is found in the signals and images transmitted back to the Other scenery different features , to identify targets . Remote Sensing information may is an aerial remote sensing photograph or satellite remote sensing photo , such as military reconnaissance satellite photo ,meteorological satellite photo and earth Resources satellite photo . which , The Earth Resources satellite photograph has two major features of geometry and optics , not only to correct the satellite's trajectory and surface condition error , can also correct the as if , The relevant department should build on the behavior of the normative construction , has effectively consolidate funds in the project , and the funds for the cast are unified Admin and reasonable assignment , focus on maximizing benefits , for agriculture The construction of the Mountain Water Conservancy Project provides the foundation support .

2.1 To establish a security system

The quality of the Mountain Water Conservancy project is not guaranteed , not only affects farmers the function

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and effect of Water Conservancy project , also limits high standards for landscape benefits Construction and

development of projects . so , The quality of the project is high Important guarantee of the standard Nong Shan Water Conservancy Project . on this , first phase Investment Management for off , Mastering Market and actual developments , To increase the budget accuracy and investment science ; is followed by planning your layout well Project links , make pattern more scientific , and to be real maximize current feature ; Finally, to supervise the management of the agricultural and Mountain Water Conservancy project Construction Quality , Implementing all parties ' , avoid all sorts of disadvantages in engineering constructionaffect , Real Water Conservancy Project Quality Improvement "".

2.2 To reasonably run the

Run the protection of agriculture and Mountains Water Conservancy project long-term operation of security , is missing for reasonable guarding , Nong Shan Water Conservancy project will be damaged . for this , on one Hand , to increase project support , Make a scientific and reasonable

Run the safeguard action , to make relevant regulations , Clear the responsibility of all parties Services , in the process of design and construction of its cast management and maintenance made detailed provisions ; on the other hand , to implement the farmer's main place in the bit , fully mobilize farmers ' initiative , Change the property right of engineering construction leathers , provide supporting conditions for high-mountain water conservancy projects .

3. Epilogue

Socio-economic progress requires support from Mountain Water Conservancy , Is based on the current The status of overall social development , Construction of high standard Agricultural Water Conservancy project is The inexorable trend of development and market demand . thinking about high standards Mountain construction of Water Conservancy project , can promote its engineering further Development , to Promote rapid social and economic development .

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