GIS SOLUTIONS FOR ENCROACHMENTS

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GIS?

- Software
- Functionalities
- Potential
- Development

What GIS Needs To Succeed

- Inputs (Data)
- Communication
- Collaboration

Companies
- Internal Standards
- Willingness to share

Organizations
- Promoting
- Learning

Government
- Regulations
- Enforcement

The Basics

- Standards
  - Required information
    - Feature Class Setup
    - Specs
    - Processes
- Planning
- Updating Databases
- Lessons Learned
- Goal vs Reality

Viewer

Solutions

- ## Preventive Measures
  - ### Why do we have encroachments?
    - Establishing Guidelines
    - Monitoring Results
    - Recording Historical Data

Solutions

- Real Time Data
  - Live Reporting
    - From the field
  - Active Monitoring
    - From the system

Solutions

- **Advanced Satellite Technology**
  - Multispectral/Hyperspectral Images
    - Proprietary Algorithms
    - Predetermined Monitoring Schedule
    - Accurate Reporting
    - Automated Alerts

Solutions

- **Big Data Analytics**
  - Predictive Analysis
    - Future Planning
    - Improved Best Practices

Solutions

- ## Centralized Server
  - Automatic Updates
  - Advanced Queries
  - Customized Metrics
  - Multi-department

Return on Investment?

Questions?

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