Monitoring and Managing Forests with GDi solutions

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About GDi
GDi - Creating Efficiencies. Stimulating Growth.

GDi

A leading Central European solutions provider with global relevance. Europe, Middle East, North and South America, Africa
GDi solutions help users manage
- resources
- assets, infrastructure
- Operations

Focus on “processes and operations” solutions and platforms
GDi solutions used worldwide, in 11 time zones.
- 150 + staff
- 25+ years in the business and 1000s of customers
- We support successful organizations to create even more efficient and agile business
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**PROCESSES AND OPERATIONS**
- Troubleshooting
- Work orders
- Workflows
- Data Collection
- Scheduling

**REPORTING AND KPIs**
- KPIs
- Dashboards
- Reports

**CHANGE**

**RESOURCES**
- People
- Field workers
- Inspection
- Salesforce

**ASSETS**
- Buildings
- Energy
- Natural Resources
- Land
- Networks
Monitoring and Managing Forests with GDi solutions

Forest management
What needs to be done?

GDi Software Solutions and Data Products

Monitor

Understand

Plan
What can technology give to forest management?
Goal

- Improve inventory
- Improve land administration
- Improve sustainable forest planning
- Better management of timber exploration
Benefits

- Fast and accurate decision making
- Monitoring in real time
- Managing complete circle with technology tools
- Cost optimization
Remote sensing
High level

• Data collection on-demand
  • Satellite imagery – up to 30 cm
  • Aerial imagery – better than 30 cm
• LiDAR
How LiDAR works?
Example - LiDAR

NP Plitvička jezera – LAS, 10 pt/m²
Example - LiDAR

NP Plitvička jezera – DSM 0,5m
Example - LiDAR

NP Plitvička jezera – DTM 0,5m
Monitor in real time
Data processing

Software solution for direct data integration.
Digital orthophoto mosaic
3D data
Collector for ArcGIS

- Field collection of **points, lines and polygons**
  točaka, linija i poligonalnih podataka
- Fast fields inspection and data analysis
- Support for **pictures**
- **Online** and **offline** mode
Benefits to circular economy
Some of detected benefits...

- Strong support in monitoring processes
- Fact based decision making
- Resources management in real time
- Crisis management
Thank you!

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