## IT SOLUTIONS CATALOG





# SOFTWARE DEVELOPMENT

Custom software Web Design UI & UX Apps QA & **Testing** 

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### **Aerial Image Acquisition**

Using drones, photographic images of the terrain or area of interest are captured.

### **Image Processing and Analysis**

Specialized software and algorithms are employed to analyze and process the photographic images, extracting precise information about the shape and dimensions of objects in the real world.

### Creation of Maps and Digital Terrain Models

The images and information obtained are used to create highly accurate and detailed maps and digital terrain models.



### **Generation of Geographic Information**

Maps and digital terrain models are utilized to generate geographic information products, such as thematic maps and 3D visualizations, for use in specific software applications.

**Products** 

### **Topographic Surveys**

The images and information are used to conduct precise and detailed topographic surveys of the terrain, including altitude, shape, and terrain features.

# Inspection and Monitoring of Infrastructure

Images and information are used for inspections and monitoring of the condition of infrastructure such as roads, bridges, buildings, and others.



### **Terrain Change Analysis**

Images and information are used to analyze changes in the terrain over time, detecting changes in vegetation, land use, and more.

### Environmental Impact Assessments

Images and information are employed for environmental impact assessments, evaluating the impact of projects or activities on the environment..

#### Photogrammetry

Piping and Instrumentation Diagram (P&ID)





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### Photogrammetry



**Elevation Map** 



### Photogrammetry

Thermography:

NDVI Environmental Analysis:

- Compensation Scope

- Spill Impact

- Image
- Video



#### **Pipelines:**

- Milepost Validation
- Location



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\*PDF, AutoCAD, GIS, Large Format Laminated Printing

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