

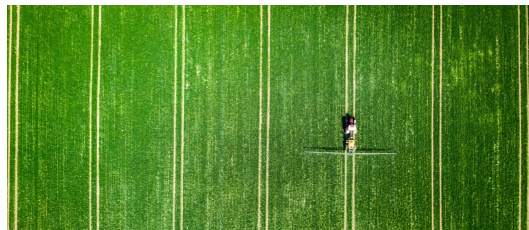


# Alteia

consulting and engineering services



Meet the environmental goals of the mining sector by modeling open pits in 3D and optimizing haul roads.



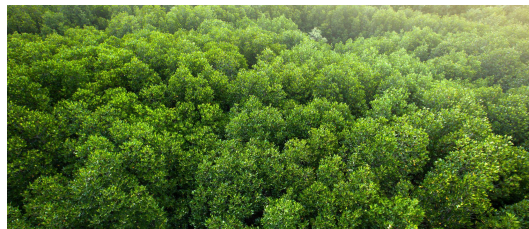
Enable shorter production cycles for seeds by using high resolution multispectral imagery and AI.



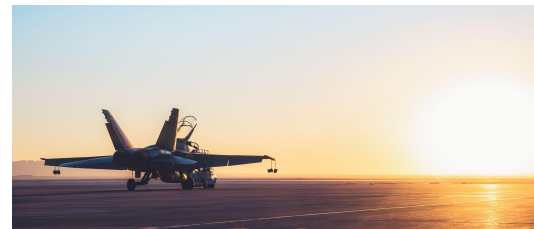
Improve grid resilience by enabling digital inspection workflows accelerated by computer vision and high resolution imagery.



Reducing end of line testing by predicting potential failures leveraging sensor data and video streams over assembly lines.

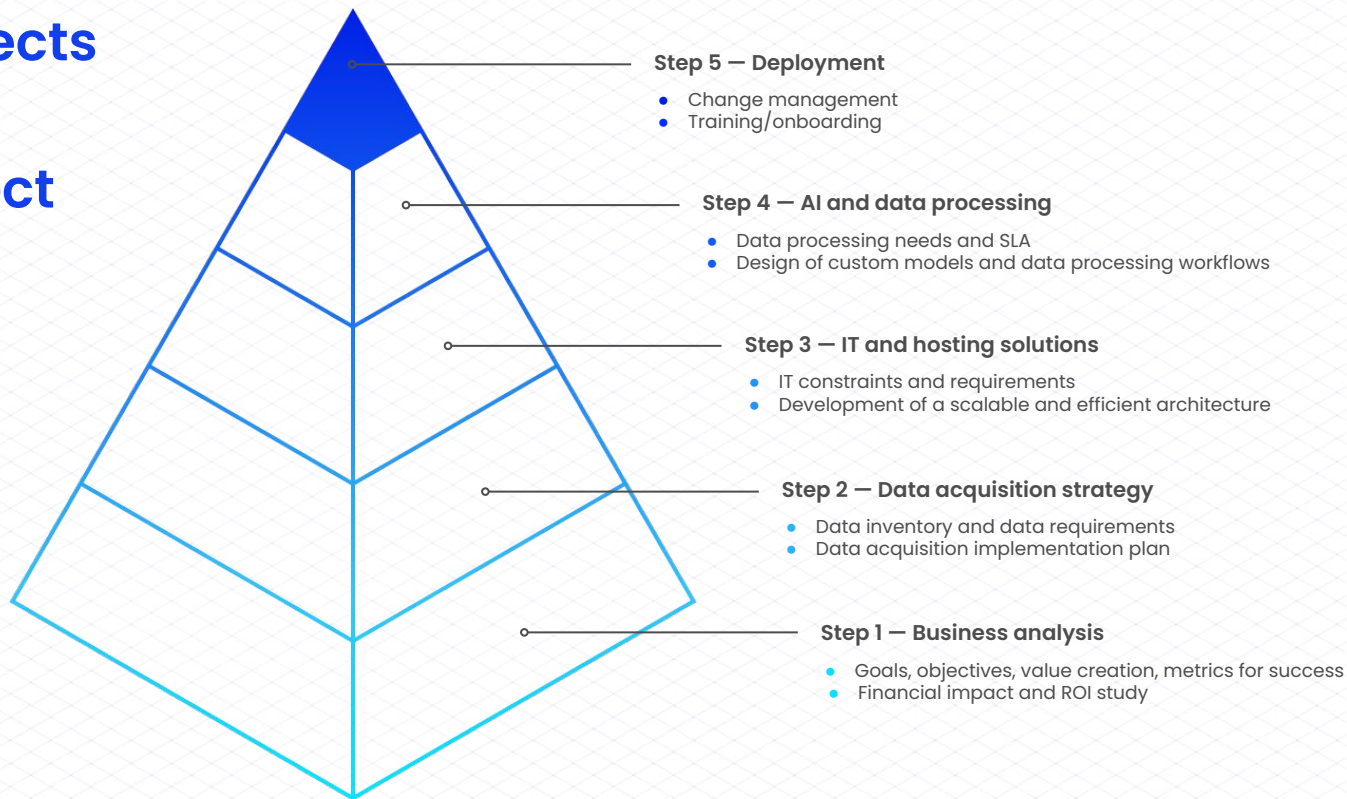


Monitor carbon offset projects and generate reports proving carbon neutrality by ingesting and processing satellite imagery at scale.



Improve availability of military equipment with reduced maintenance cycles through predictive analytics.

**80% of AI projects  
fail without  
the right project  
methodology**



### Step 1

#### Business analysis

- What business problem(s) do you need to solve ?
- Who are the associated stakeholders?
- Which traditional process will it replace?
- What are the final outputs?
- Does that new solution generate sufficient business value ?
- How can we quantify success?
- Business plan and financial outcome?
- ROI study?

### Step 2

#### Data acquisition strategy

- What data do you need to achieve your goals?
- Do you already collect the necessary data?  
If not, how to collect that data? At which cost?
- Is annotated data easily available?
- What would be the data ingestion pipeline?
- What quality issues may arise in the dataset  
(unbalanced dataset, need for synthetic data,...)?

### Step 3

#### IT and hosting solutions

- What are your current policy in terms of enterprise data sovereignty, data management and security ?
- Do you already have an IT infrastructure / Cloud solutions for your corporate needs? How does the current solution integrates with the rest of the ecosystem?
- Do you need ad-hoc deployments and/or managed services?
- What are the pro/cons and financial aspects of all hosting options?



#### Step 4

##### AI and data processing

- Where would AI be relevant and what for?
- Which SLA? (accuracy/availability/speed)
- How is the annotation / re-annotation / validation procedures handled across the company?
- Who will be accountable?
- Do off the shelf applications meet the needs?
- Is there a need for custom developments?

#### Step 5

##### Deployment and run

- Deployment roadmap
- Deployment plan
- Resources involved
- Key performance indicators
- ROI analysis



### Digital strategy

We help our clients shape their digital vision around vision AI. We accompany them on their journey to generate alpha in their respective industry by creating high business value through visual data and artificial intelligence.



### Digital expertise

Our team gathers state of the art experts, including PhDs and Engineers, in multidisciplinary domains ranging from: AI, Machine Learning, MLOps, DevOps, Microservice Architecture, Cloud Technologies and Infrastructures, allowing an holistic understanding of the entire technology stack. We have 10+ years of experience in visual data collection and analysis for global projects in various domains.



### Domain expertise

Our clients are the domain experts. That said, they need partners that understand their problems and daily concerns to appropriately help solve them. We have in-house experts and an extended track record in each of the vertical domains we address.



### Business insights

The right insights make the best decisions. We create workflows that transform raw data into actionable insights. Our objective is to get the right insight to the right people at the right time using the right technologies.








### Process automation

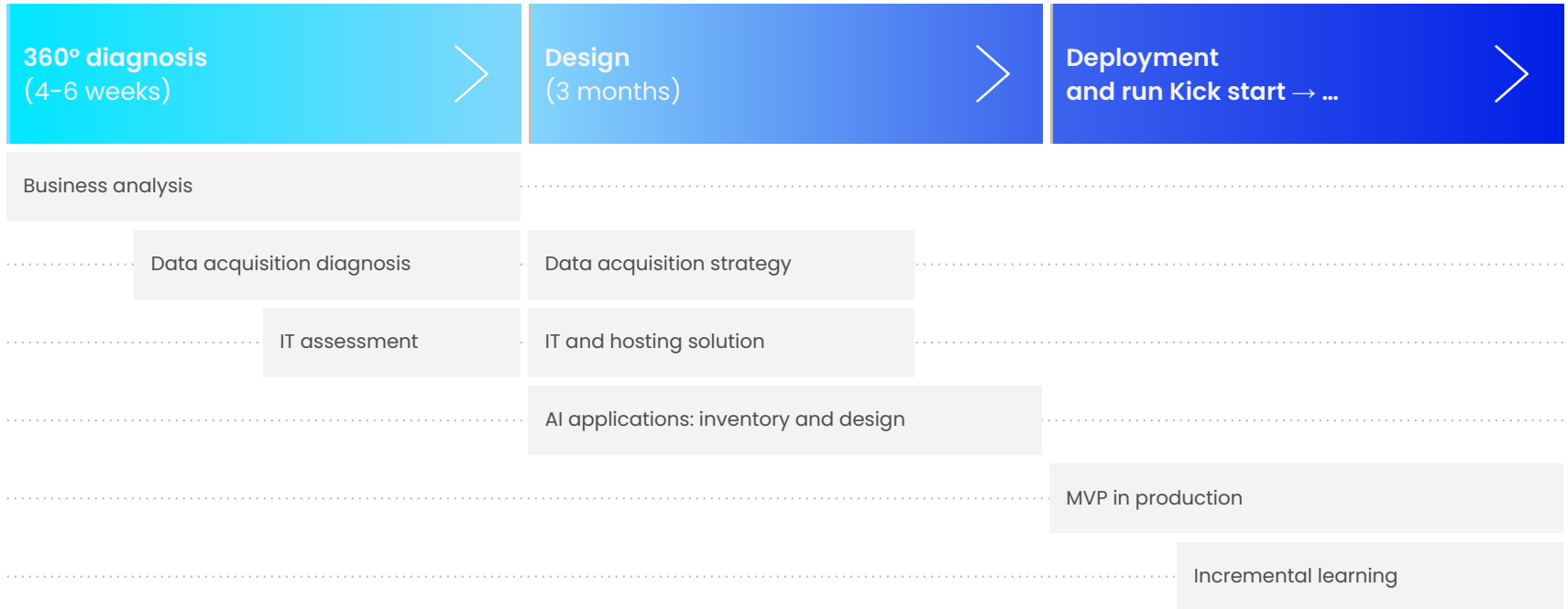
We support organizations by creating business value through optimum digital automation, notably for data aggregation and contextualization. We enable our clients in their journey towards effective & efficient but also innovative & creative business operations.



### Organizational change management

We engage, empower and enable people and organizations during their digital transformation journey by providing learning & training strategies.

	Skills	Tools
 Business analysis	<ul style="list-style-type: none"> <li>• Business knowledge in various industries</li> <li>• Business process analysis</li> <li>• Business process optimization</li> <li>• Financials / ROI studies</li> </ul>	<ul style="list-style-type: none"> <li>• 360 diagnosis Immersion</li> <li>• Business analysis framework</li> <li>• Ideation and workshops</li> </ul>
 Data collection	<ul style="list-style-type: none"> <li>• Data engineering</li> <li>• Data fusion</li> <li>• Expertise in 3D unstructured data: Lidar, satellite, imagerie, CAD, enterprise databases</li> </ul>	<ul style="list-style-type: none"> <li>• Data ingestion pipelines</li> <li>• Data contextualization tools</li> <li>• Data transformation tools</li> </ul>
 IT and hosting solution	<ul style="list-style-type: none"> <li>• Data Governance / Data security Cloud / Multi</li> <li>• Cloud / Ad-hoc architectures</li> <li>• Monitoring</li> </ul>	<ul style="list-style-type: none"> <li>• Alteia platform</li> <li>• Microservice-driven architecture</li> </ul>
 AI and data processing	<ul style="list-style-type: none"> <li>• ML evaluation</li> <li>• ML development</li> <li>• ML Ops</li> </ul>	<ul style="list-style-type: none"> <li>• Computer vision algorithms library</li> <li>• ML analytics</li> <li>• Times Series analytics</li> <li>• Geospatial analytics</li> </ul>
 Application Deployment	<ul style="list-style-type: none"> <li>• Deployment services</li> <li>• Deployment automations</li> <li>• Integration services</li> <li>• Managed services</li> </ul>	<ul style="list-style-type: none"> <li>• Documentation</li> <li>• Customer support and success</li> <li>• DevOps as a service</li> </ul>



# Alteia.com

SUPPORT  
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PRESS INQUIRY  
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[hr@alteia.com](mailto:hr@alteia.com)

EVERYTHING ELSE  
[contact@alteia.com](mailto:contact@alteia.com)

## Our clients

