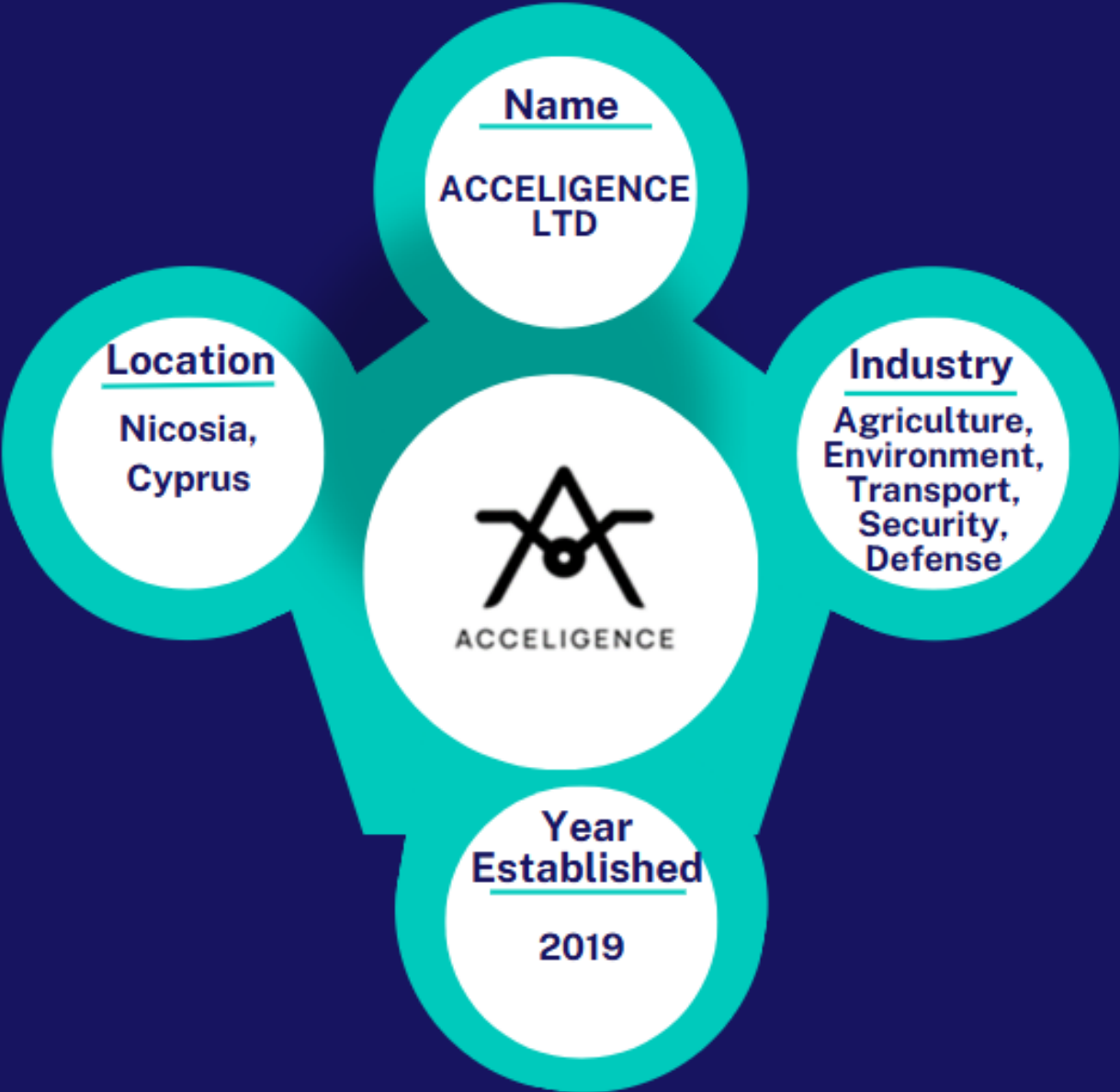
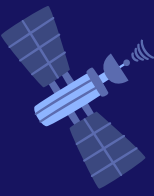
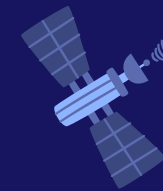




ACCELIGENCE LTD is a technological SME, focusing on the research, design and manufacturing of robotic solutions with emphasis on custom UAVs. The company offers a number of prototypes, capable of being adapted on all business verticals. ACCELIGENCE is targeting mainly the Agriculture, Environment, Transport, Security and Defense Market. The mission of ACCELIGENCE is the commercialization of all significant research results achieved in the company's laboratory and the research project participated/ing.





ACCELIGENCE activities are closely connected with space data, as all company's products/services require the use of navigation data through GNSS technologies. The use of such datasets are mandatory for our autonomous navigation services and to ensure the safe and standardized operation of our products. Space datasets such as satellite communication services or remote imaging are considering as features for our operations as many missions requires them in order:

- 1) to establish secure communication links in extreme remote areas
- 2) to validate remote areas before the flight planning.

Considering the above, it is obvious that the impact of space data in our business is very high.



Applications of Space Data

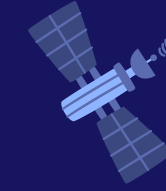


Barriers & Support Requirements

The challenges we are facing in adopting space data (mainly earth observation images) in our business lies more on the limited market needs for this combined (space/UAV) technology exploitation and the lack of expertise (technological maturity). We believe that through continuous research on the features that these technologies/dataset can offer, we will have a rapid expansion of the specific market.

A nice example is the participation of our company in a project named CALLISTO, in which we promoted the combined use of EO images and UAV operation in the area of Agriculture and Security.





Success Factors

As we already mention in the section above the continuous research (and the corresponding funding for research and innovation) helped our company to unlock new services and application in the era of space dataset exploitation.

Accelignce considers the following important factors for SMEs:

- Data space users are likely to experience increased market share and growth, thanks to the expanded data-sharing capabilities.
- Diversification: The ability to access and share various datasets (open, closed, research, etc.) opens doors to new roles and business opportunities within the market.
- Innovative Business Models: Users can explore innovative business models, including cross-border and collaborative models tailored to specific use cases.
- SMEs can be benefited more from the above thanks to their inherent organizational and technological flexibility.



Lessons Learned



Funded by
the European Union