

Ground segments
Launchers
Transversal competencies



Alcadia Entreprises has been working for nearly 20 years with major industrial contractors for the realization of major projects such as the construction of Ariane 5, Soyouz, Vega, Vega-C and Ariane 6 launch complexes at the Guiana Space Center, and on new generation nuclear reactors. With over 120 employees, Alcadia Entreprises is recognized as a key player in engineering and technology consulting and stands out for its expertise in niche issues.

COMPETENCIES & CAPABILITIES

Our fields of expertise cover the following activities: Systems Engineering, Facility commissioning, Risk Management, Operations and Maintenance Engineering, Project management, Quality and quality controls and Safety studies.



ALCADIA ENTREPRISES

PRODUCTS & SERVICES

Here is a rapid breakdown of the company global activities, in percentage of its annual turnover:

- Systems engineering (28%)
- RAMS studies and risk management (15%)
- Operation and maintenance engineering (12%)
- Commissioning and start-up engineering (12%)
- Business Manager and contractual management (10%)
- Quality and quality controls (10%)
- Project management and Project risk management (8%)
- Various (5%)

We have partnered in several major industrial projects for the European space sector the last 20 years, in Europe mainland and in French Guyana. Some of the company's references are described in the section below.

MAJOR SPACE PROJECTS & REFERENCES

- **CNES**: Design, commissioning and support in operational conditions (MCO) of Ariane 5, Ariane 6, Vega and Soyouz Launch Complexes, EPCU (Payload Preparation Facilities) and BEAP (solid stages firing test bench), as well as system risk analysis for Vega and Vega-C ground and launcher segments, and Safety analysis on pyro systems and reusable vehicles.
- **ArianeGroup**: Support in the development of a rocket engine (Space Plane) and its subsystems. Preparation of Ariane 6 facilities maintenance industrial contracts.
- **Arianespace**: Full redesign the of the CSG's Payload Preparation Facilities (EPCU) User Manual.
- **ESA**: Operational safety, mission compliance with space regulations, crisis plan definition and crisis management procedures for IXV, Space Rider vehicles and Vega-C. Safety operators during IXV launch and flight.
- **APCO**: Reliability studies for A6 liquid stages transport containers and for Upper Composite integration dock in BAF.
- **Regulus**: Preparation and follow-up of maintenance activities of production means.

POINT OF CONTACT

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TURNOVER 13,2 M€

WORK FORCE 113

SPACE TURNOVER 3,8 M€

SPACE WORK FORCE 30