



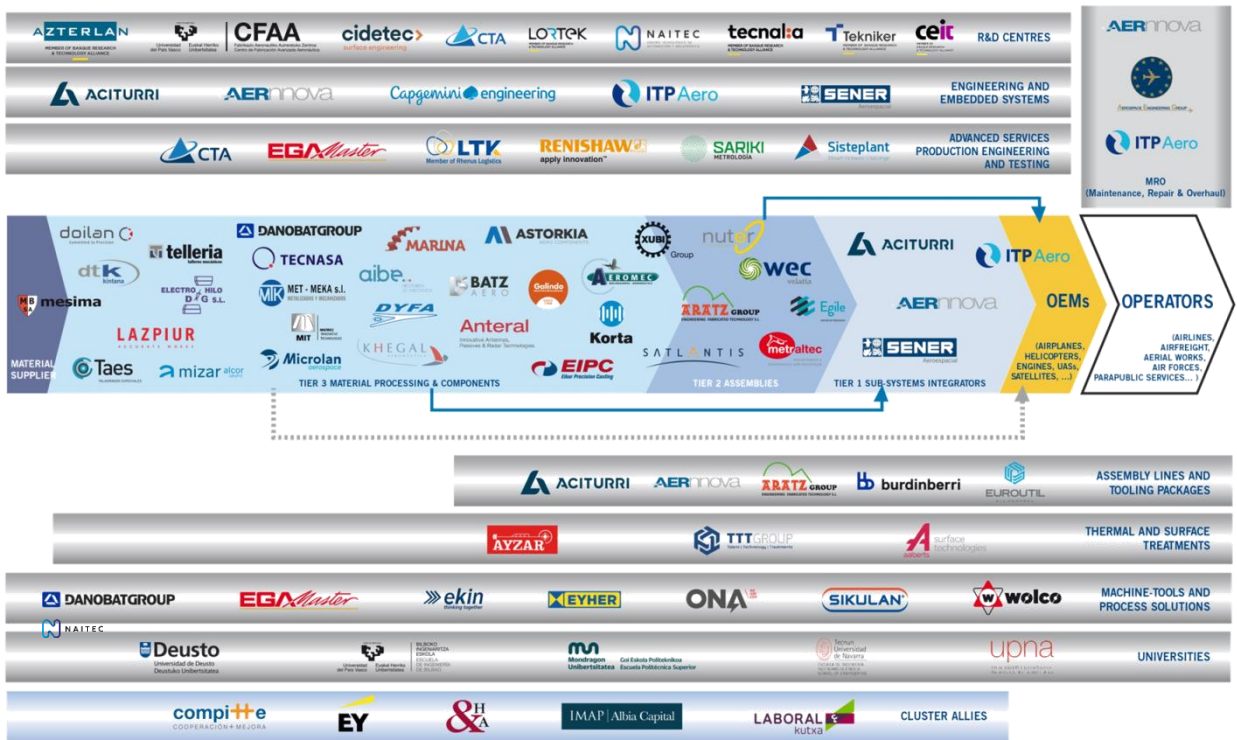
BASQUE AEROSPACE PANORAMA

- HEGAN Cluster
- HEGAN Members
- Other Basque entities with AeroSpace activity

Cluster-Association

HEGAN, the Aeronautics and Space Cluster of the Basque Country, is the private association that groups together the Basque Aerospace Sector: Industry, RTD entities and Universities. As a Cluster Association, its aim is to represent and promote this Sector to ensure its competitiveness through co-operation and innovation answering its strategic challenges in collaboration.

The Cluster is made up of 70 Members: 52 Companies, 8 RTD organizations, 5 Universities and 5 Allies that cover the whole AeroSpace Value Chain:



Cluster Members

HEGAN Members supply complete systems, subassys, components and advanced services for the most important worldwide Clients of the Sector for Aerostructures, Engines, Systems, Equipment and Space; having all the certifications of the Sector (EN9100, NADCAP...) and a wide range of technologies, means, processes and capabilities. Members are very active in RTD always searching for partnerships in order to increase their participation in collaborative RTD Projects... Horizon, Clean Aviation...:

| Category | Member | Main Aerospace activity | Aerospace Value Cahin | WEB |
|----------|----------|--|-------------------------|--|
| INDUSTRY | AERNNOVA | Design, engineering, manufacturing, assembly, certification and maintenance of large equipped aerostructures and complete aircraft sections. Tooling. Engineering. | Tier 1 - Aerostructures | www.aernnova.com |

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|--|---|--|---|
| AALBERTS SURFACE TECHNOLOGIES TEY | Surface Treatments | Surface Treatments | https://www.aalberts-st.com/es/locations/pais-vasco/ |
| ACITURRI | Design and Manufacturing of big Aerostructures. Engine components. | Tier 1 - Aerostructures Tier 2 - Engines | www.aciturri.aero |
| AEROMECA | Machining | Tier 3 - Engines / Aerostructures | www.aeromeca.es |
| AEROSPACE ENGINEERING GROUP | Repair, maintenance and overhaul of aerospace components (Systems) | MRO | www.aerospaceengineeringgroup.com |
| AIBE | Machining and tooling | Tier 3 - Engines | www.aibe.es |
| ANTERAL | Space Systems | Tier3 - Space | https://anteral.com/ |
| ARATZ | big Tooling / Machining | Tooling Tier2 - Engines | www.talleresaratz.com |
| ASTORKIA | Machining | Tier 3 - Engines / Aerostructures | www.astorkia.com |
| AYZAR | Surface Treatments | Surface Treatments | www.ayzar.com |
| BATZ | Hot-Forming | Tier 3 - Engines | www.batz.es |
| BURDINBERRI | complex Tooling for metallic and composites | Assembly Lines and Tooling | www.burdinberri.com |
| CAPGEMINI ENGINEERING | Engineering | Engineering | www.altran.es |
| DANOBATGROUP | Machine-tool manufacturing Machining | Machinery for aeronautical production | www.danobatgroup.com |
| DOILAN | Components machining | Tier 3 - Systems | www.doilan.info |
| DT KINTANA | Machining | Tier3 - Aerostructures | www.dtkintana.com |
| DYFA | Tooling and Composite Machining | Tier 2 - Aerostructures | www.dyfa.es |
| EGAMASTER | Hand-tools & 4.0 solutions | Production solutions | www.egasolutions.com |
| EGILE | Components and Systems manufacturing and assembly | Tier 2 - Systems / Engines | www.egile.es |
| EIBAR PRECISION CASTING | Investment Casting | Tier 3 - Systems | www.eibarprecisioncasting.com |
| EKIN | Broaching Tools and Machine Tools for metallic manufacturing | Machinery for aeronautical production | www.ekin.es |
| ELECTROHILO | Machining | Tier 3 - Engines | www.electrohilo.es |
| EUROUTIL | Tooling | Tier 3 - Engines, Systems | https://euroutil.es/ |
| EYHER | Production solutions for internal movements and works in heights | Production solutions | www.eyher.com |
| GRUPO TTT | Thermal and surface Treatments | Surface Treatments | www.grupottt.com |
| INDUSTRIAS GALINDO | Machining and tooling | Tier-3 - Engines | www.galindosl.es |
| ITP AERO | Design, engineering, developing, manufacturing, assembling of Complete Engine Subsystems. Repairing & overhaul of Engines. | Tier 1 - Engines | www.itpaero.com |
| KHEGAL AERONÁUTICA | Machining | Tier 2 - Engines / Aerostructures / Systems | www.khegal.com |
| KORTA | Ballscrews | Tier-3 - Systems | www.korta.com |
| LAZPIUR | Machining | Tier 3 - Engines | www.lazpiur.com |
| LTK GRUPO | Aerospace Logistics | Aerospace Logistics | www.ltkgrp.com |
| MATRICI INNOVATIVE TECHNOLOGIES | Cold-Forming | Tier 3 - Engines | www.matrici.com |
| MESIMA | Materials supply and management | Tier 4 - Material Supplier | www.mesima.com |
| METALÚRGICA MARINA | Tooling | Tier 3 - Engines | www.metalurgicamarina.com |
| MET-MEKA | Machining | Tier 2 - Aerostructures | www.met-meka.com |
| METRALTEC | Machining / sheet metal work / painting | Tier 2 - Aerostructures | www.metraltec.com |
| MICROLAN | Machining | Tier 3 - Aerostructures | https://microlansl.com |

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|-----------|-------------------------------------|---|--|---|
| | MIZAR ADDITIVE MANUFACTURING | Additive Manufacturing | Tier 3 | http://mizaradditive.com/ |
| | NUTER | Machining | Tier 2 - Engines / Aerostructures / Space | www.nuter.es |
| | ONA ELECTROEROSIÓN | Machine-Tool Manufacturing | Machinery for aeronautical production | www.onaedm.com |
| | RENISHAW IBÉRICA | Advanced Metrology services and equipment Additive Manufacturing | Advanced services | www.renishaw.es |
| | SARIKI METROLOGÍA | Advanced Metrology services and equipment | Advanced services | www.sariki.es |
| | SATLANTIS | Space Systems | Tier2 - Space | www.satlantis.com |
| | SENER AEROSPACIAL | Engineering for Engines and Aerostructures; Space components design and manufacturing; Systems design and manufacturing. Tooling | Tier 1 - Space Tier 2 - Systems & Equipment Engineering - Design for Aerostructures / Engines / Systems & Equipment / Space | www.aeroespacial.sener |
| | SIKULAN | Cutting Tools | Production solutions | https://sikulan.com/ |
| | SISTEPLANT | Production processes engineering | Production Engineering | www.sisteplant.com |
| | TAES | Deep hole drilling | Tier 3 - Engines / Aerostructures / Systems | www.taes.eu |
| | TECNASA | high precision Rubber and Silicone manufacturing | Tier 3 - Systems | www.tecnologias-aerospaciales.com |
| | TM TELLERIA | Machining / Tooling | Tier 3 - Space | www.tmtelleria.com |
| | WEC | Design and manufacturing of mechanic-welded sheet metal components | Tier 2 - Engines | www.wallair.es |
| | WOLCO | Cutting Tools | Production solutions | www.wolco.es |
| | XUBI | High precision transmission components | Tier 2 - Systems | www.xubi.com |
| RTD Orgs. | AZTERLAN | Metallurgy | RTD Centre | http://www.azterlan.es/en/in dex.html |
| | CEIT | Advanced Manufacturing Techs | RTD Centre | https://www.ceit.es/en/ |
| | CIDETEC | Surface Engineering and power storage systems | RTD Centre | https://www.cidetec.es/es/in icio |
| | CTA | Aerospace R&D Centre: Testing for Certification (HALT, Structural, Fluid-dynamic, Fire...) | Aerospace RTD (3 RTD labs) | www.ctaero.com |
| | LORTEK | Additive Manufacturing & Welding | RTD Centre | www.lortek.es |
| | NAITEC | Functional printing & Mechatronics | RTD Centre | www.naitec.es |
| | TECNALIA | Special Materials, Aerospace Technologies, Production Systems... | RTD Corporation (4 RDT Centres) | www.tecnalia.info |
| | TEKNIKER | Special Materials, Aerospace Technologies, Production Systems... | RTD Centre | www.tekniker.es |
| Univs. | MONDRAGON UNIB. | University | Education - RTD - Training | www.mondragon.edu |
| | TECNUN UNIV. NAVARRA | University | Education - RTD | www.tecnun.es |
| | UNIV. DEUSTO | University | Education | www.deusto.es |
| | UPNA | University | Education - RTD | https://www.unavarra.es/res earch-institutes/ |
| | UPV/EHU | University / CFAA | Education - RTD - Training | www.ehu.eus/en/web/cfaa/ |

Other Aerospace entities

Other entities identified in the Basque Country with Aviation, Aeronautical and Space activities together with GAIA and CYBASQUE. GAIA is the Association of Applied Knowledge and Technology Industries in the Basque Country that brings together over 260 companies in this sector (Consulting, Engineering, Electronics, Computing,

Telecommunications and Gamification); CYBASQUE is the Association that represents the Cybersecurity Industries of Euskadi promoting cybersecurity in the industry, and raising awareness of physical and logical security risks

| Entity | Main Aerospace activity | WEB |
|--------------------------------|--|---|
| ARTECHE | GAIA Member: Equipment and solutions for the electric power industry | https://www.artech.com/en |
| AIRESTUDIO | RPA Operator. Engineering. RTD | https://www.airestudio.es/ |
| ALERION | RPA Operator. Engineering | https://aleriontec.com/ |
| ATOM DRONEWORKS | RPA Operator | https://atomdroneworks.com/ |
| AVS | Tier - 2 Space - Design and development of complex and critical equipment for Big Science and Space | www.a-v-s.es |
| BILBOMATICA | GAIA Member: SW Consultancy and Engineering | https://www.bilbomatica.es/ |
| BRTA | Basque RTD Alliance | https://www.bрта.eu/ |
| CAF | GAIA Member: Mobility solutions | https://www.caf.net/en |
| CEIT | Cybasque Member: RTD Centre. Industrial research projects | http://www.ceit.es |
| CYBASQUE | Cybersecurity Industries of the Basque Country | https://www.cybasque.eu/ |
| DRONAK | RPA Operator. Training. Consultancy. RTD. | https://dronak.com/ |
| DRONE BY DRONE | RPA Operator | https://www.dronebydrone.com/ |
| IBERMÁTICA | GAIA Member: IT services. Digital platforms | https://ibermatica.com/en/ |
| IDOM | GAIA Member: Consulting Engineering Architecture. Downstream and upstream technologies developer. Specialist in Optics and mechatronics | https://www.idom.com/en/ |
| IKERLAN | GAIA Member / Cybasque Member: RTD Centre. Electronics and ICT, Energy and Power Electronics, Advanced Manufacturing | https://www.ikerlan.es/en/ |
| INKOA | GAIA Member: Engineering and Consultancy | https://www.inkoa.com/index.php/en/ |
| INNOVAE | GAIA Member: ARVR Solutions | https://www.innovae.eu/en/ |
| FAGOR AUTOMATION | Equipment / Encoders | https://www.fagorautomation.com/en/ |
| GAIA Cluster | Cluster-Association of Applied Knowledge and Technology Industries in the Basque Country | https://gaia.es/en_US/associates |
| KARTEN SPACE (Alcor Grupo) | Tier 2 Space - Use of remote sensing, deep learning and artificial intelligence techniques for satellite imagery. Development of constellation of nanosatellites for the Earth Observation | https://kartenspace.com/ |
| ORBITAL CRITICAL SYSTEMS (CAF) | Tier 2 – Equipment - Critical Systems. Avionics. Embedded Systems for Space | https://orbitalcs.com/ |
| SOCE (RELYUM) | GAIA Member: Added value end-equipment for high-availability and Deterministic Ethernet networking, submicrosecond synchronization and wire-speed cybersecurity for critical sectors | https://www.relyum.com/web/ |
| SQADRONES | RPA Operator. Consultancy. RTD | https://sqadrones.com/es |
| VICOMTECH | GAIA Member / Cybasque Member: RTD Centre. AI, Visual Computing and Interaction | https://www.vicomtech.org/en/ |
| SPACE ROBOTIC WORKERS | Company with expertise in complex structures design and manufacturing for Space. Company owned by Space Infrastructures Ventures. Working on Orbital Outpost One project- | https://space-infrastructures.com/ |