



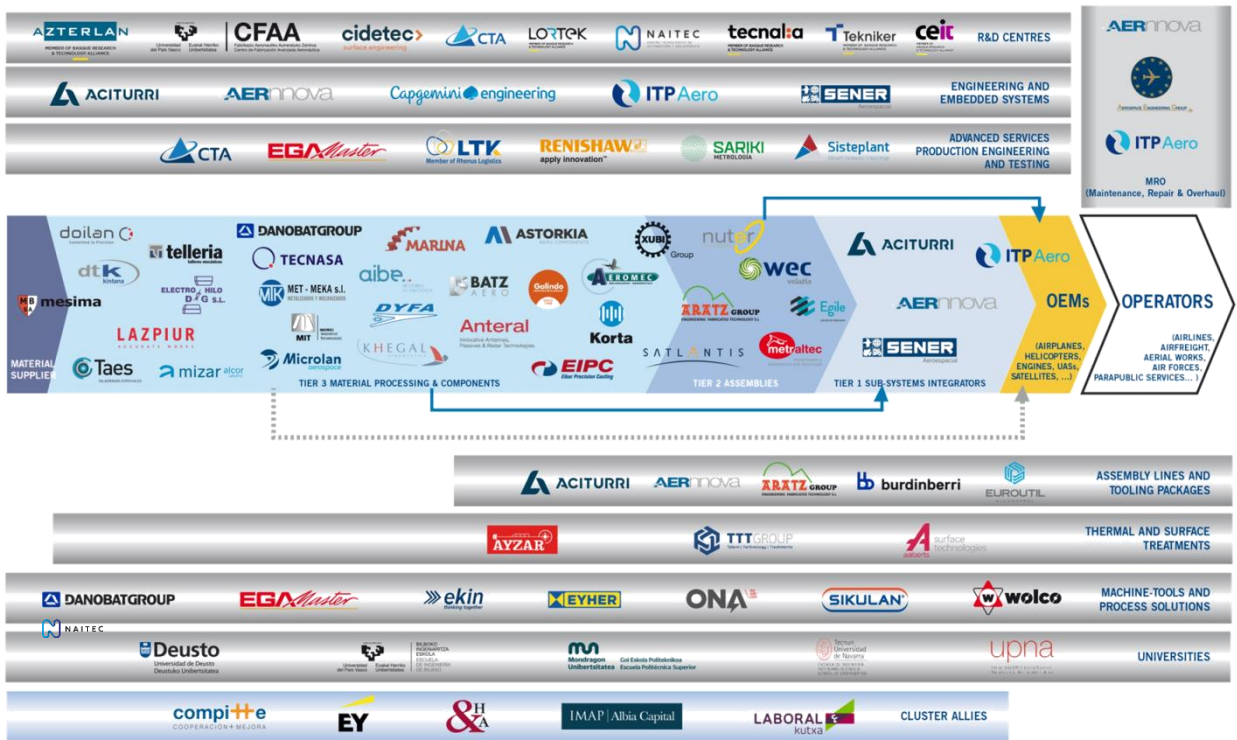
BASQUE AEROSPACE PANORAMA

- HEGAN Cluster
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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

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

	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.brta.eus/
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.eus/
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/