AETOS

RPAS Cluster in Nouvelle-Aquitaine

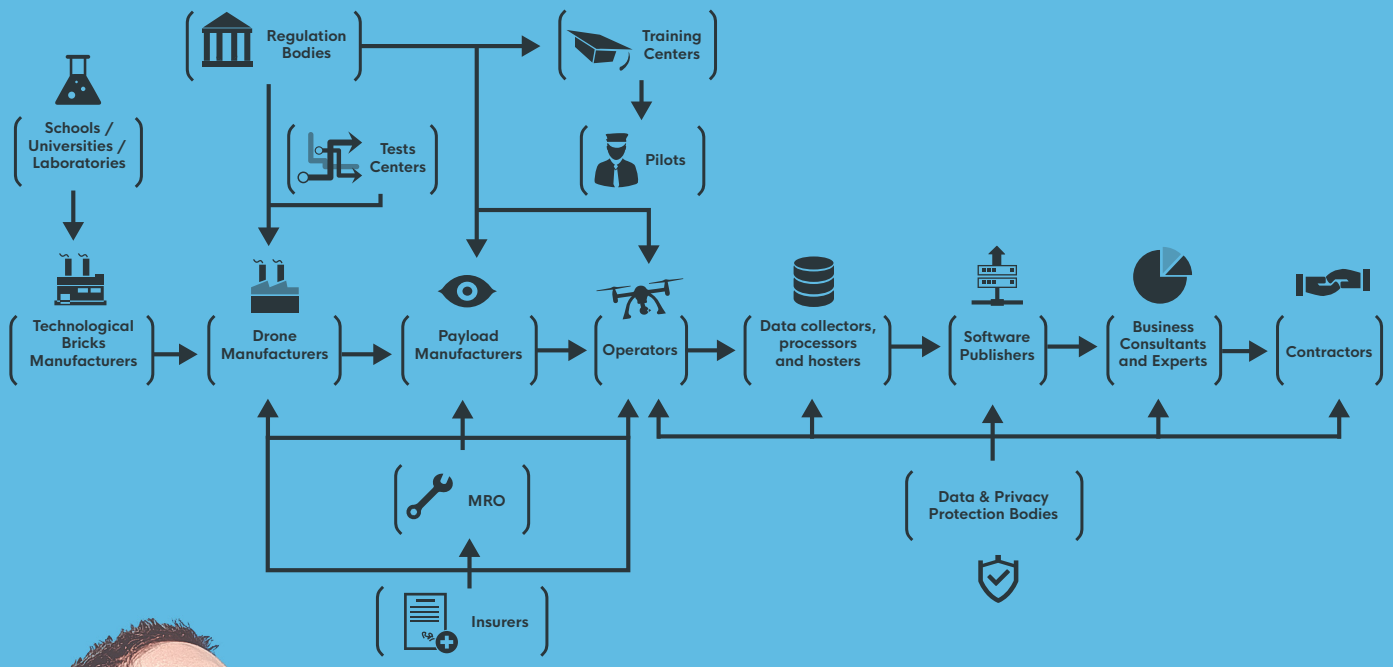
South West France

www.aetos-aquitaine.fr

AETOS

Created in 2010 by a common initiative supported both by THALES and the Regional Council, the AETOS Cluster aims at creating the favourable conditions for the development of the RPAS sector in Nouvelle-Aquitaine. AETOS gathers a dynamic network of 100 industrial companies, laboratories, researchers, with a strong support of the public regional authorities. Thus, collaborative R&D projects can find highly qualified and trained partners among the cluster. Furthermore, thanks to the AETOS network, global offers, including several different systems and sub-systems, can be easily elaborated with only one contact for the customer.

Crédit : MAV Solutions



UAV value chain in Nouvelle-Aquitaine, by HAWK

AETOS MEMBERS

Schools / Universities / Laboratories

ARTS ET METIERS PARISTECH
BORDEAUX INP
BORDEAUX UNIVERSITY
CATIE
ENSC / BORDEAUX INP
ENSEIRB-MATMECA
ESTIA
IMS
INRIA
ISAE ENSMA
LA ROCHELLE UNIVERSITY
LABRI

Technological Bricks Manufacturers

AERODRONES
AIRBUS D&S
AKIRA TECHNOLOGIES
ALGO'TECH INFORMATIQUE
AQUITAINE ELECTRONIQUE
CEA TECH
EPSILON COMPOSITE
ERMA ELECTRONIQUE
EUROGICIEL
GERAC
IMMERSION
INOVELEC
M3 SYSTEMS
MAGELLIUM
MICROTURBO
MOBISENSE SYSTEMS
PRAGMA INDUSTRIES
SAFRAN HELICOPTER ENGINES
SAFT
SOGETI HIGH TECH
STELIA AEROSPACE
TDM
TELERAD
THALES
TOMO ADOUR
VENTEC
ZHENDRE

Drone Manufacturers

DELAIR-TECH
DSDI
FLY-N-SENSE / DELTA DRONE
HELIPSE
HELPER DRONE
MAV SOLUTIONS
R&DRONE
ROBOSOFT
SHARK ROBOTICS
SKEYETECH
SYSVEO
VISION SCOPE
VITIROVER
XAMEN TECHNOLOGIES

Tests Centers

CESA

Payload Manufacturers

ALPhANOV
i2S
NETHIS
PHOTONIS
R&D VISION

Operators

AIR MARINE
ALTISPOT
ATHENIUM FILMS
DECIDRONE
DRONE ATLANTIQUE
DRONE GEOMODELING
DRONE PROTECT SYSTEM
DRONE XT
DRONETUDES
D-TECH
GIMBALL PROD
INTERDRONES
PLASTEOL
REFLET DU MONDE
SKYBIRDSVIEW
UAV 640

MRO

ATELIERS BIGATA
IMA

Data collectors, processors and hosters

TELESPAZIO

Software Publishers

2MoRO SOLUTIONS
AKEROS
BETOMORROW
MUGEN

Business consultants and Experts

AEROCONSEIL (AKKA Group)
AKKA TECHNOLOGIES
ALTEN
AMBICEO INTERNATIONAL
CORHOFI
DRONE PERF
DRONEXSOLUTION
HAWK
OFFICE TRAINING

Contractors

RENOFASS

Public Support

ADI NOUVELLE-AQUITAINE
AQUITAINE SCIENCE TRANSFERT
BORDEAUX AEROPARC
BORDEAUX TECHNOWEST
BORDEAUX UNITEC
GRETHA - VIA INNO - BORDEAUX UNIVERSITY

NOUVELLE-AQUITAINE LAUNCHES DRONE CITY

Within a few years thanks to collaboration between public authorities, innovative startups and SMEs, industrial players and universities, new solutions have been proposed in this fast-growing sector, with countless businesses using drones daily.

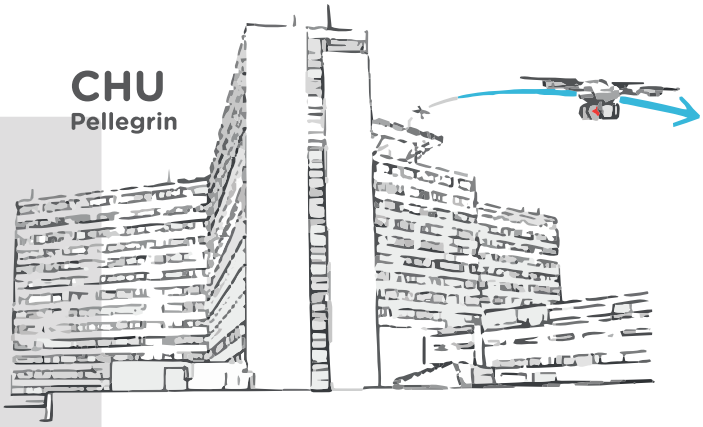
So, in partnership with the AETOS cluster, the Regional Council is looking to bolster its support for the drone sector. Nouvelle-Aquitaine launched at the UAV Show 2016 a call for Expressions of Interest entitled Drone City to make Nouvelle-Aquitaine the pilot region of the real use of drones in the city.

Innovation in this sector has become a key differentiator in attracting new business. The region has an ecosystem capable of designing, developing and experimenting new drone services in real conditions in urban zones.

This call for Expressions of Interest embraces a wide field of applications for the whole of the Nouvelle-Aquitaine region, the projects placing the city at the heart of these innovative drone practices.

By bringing the drone into the everyday life of its inhabitants, the region will become the biggest European center of "Open Sky" drone experiments.

An incredible "dronumeric" transformation is underway in Nouvelle-Aquitaine.



SECURITY

RDM ONE: LONG RANGE UAV

3 meters wingspan, 3 kg payload, minimum 4 hours operational endurance: these are the main key figures of the RDM ONE long range UAV, which will weigh 25 kg MTOW (maximum take off weight). Different versions of this UAV will be gradually proposed, which will step-by-step increase its performance thanks to a SATCOM link. **www.refletdumonde.com**

3S: AUTONOMOUS SUPERVISORY OFFICER

Drone Protect System (DPS), a forerunner in UAV surveillance and SKEYETECH, an expert in high-quality custom UAVs, joined forces to develop the supervisory officer of the future. The name of the solution is "3S" for Smart Surveillance System, allowing a drone to take off by order of the alert sensors and fly to the triggered area or perform an automatic patrol on-site and provide videos HD to security officers. It is a 100% autonomous system, the drone comes back and lands on its base to be loaded and ready for the next mission..., all these steps without any human intervention.
www.droneprotectsystem.fr / www.skeyetech.fr

INSPECTION

Dronisos

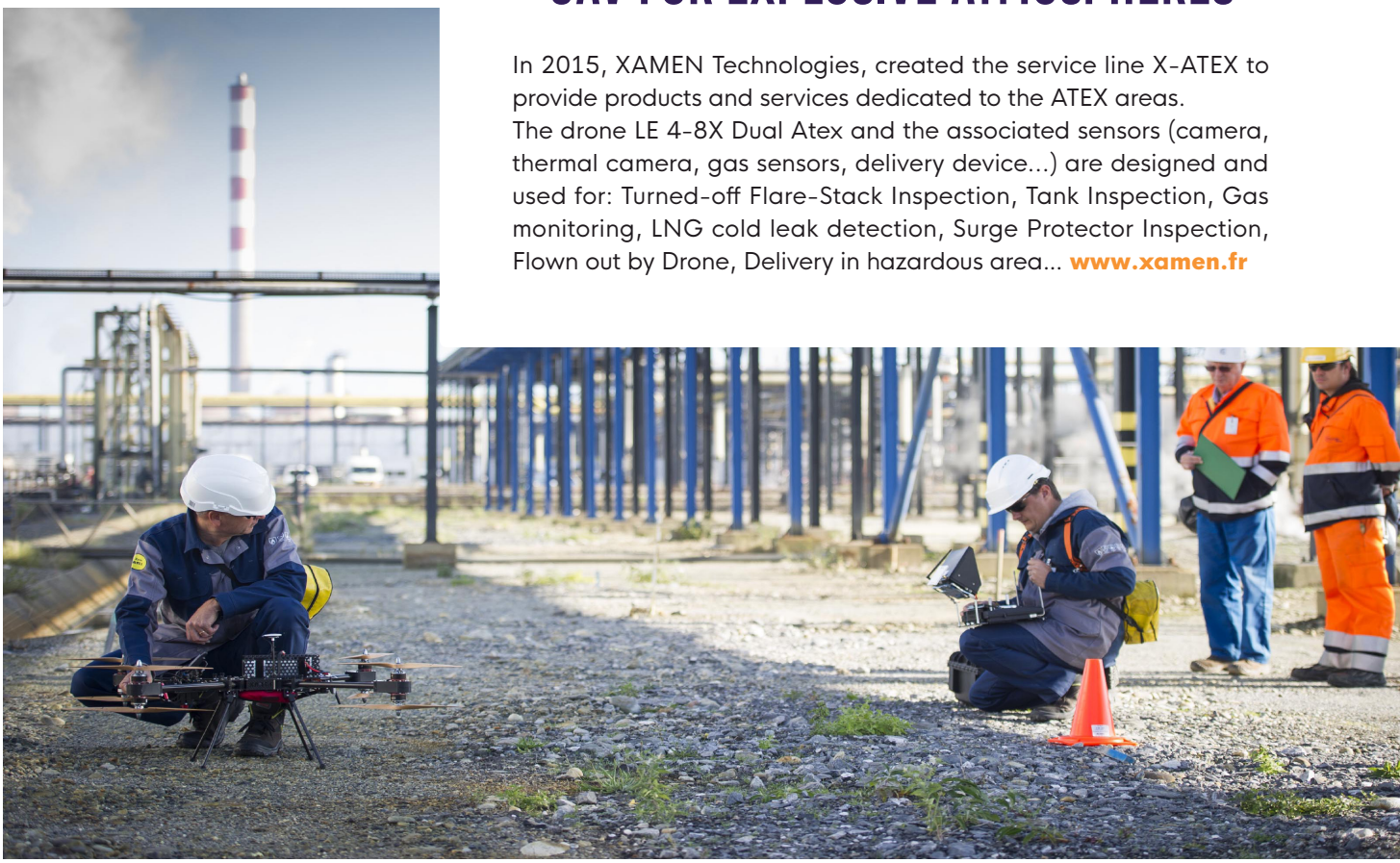
DRISS: A SEMI-AUTONOMOUS DRONE FOR SHORT RANGE INSPECTION

Designed for the National French Rail (SNCF), DRISS is a light-weight solution designed to be used with minimal training. Through its dedicated mobile application, DRISS is connected to a cloud system which provides takeoff clearances and automatic archives of photos and videos. **www.dronisos.com fr**

Xamen Technologies
Prenez de la hauteur

LE 4-8X DUAL ATEX: UAV FOR EXPLOSIVE ATMOSPHERES

In 2015, XAMEN Technologies, created the service line X-ATEX to provide products and services dedicated to the ATEX areas.
The drone LE 4-8X Dual Atex and the associated sensors (camera, thermal camera, gas sensors, delivery device...) are designed and used for: Turned-off Flare-Stack Inspection, Tank Inspection, Gas monitoring, LNG cold leak detection, Surge Protector Inspection, Flown out by Drone, Delivery in hazardous area... **www.xamen.fr**



AGRICULTURE

HE-220 E: AERIAL TOOL FOR AGRICULTURE

When Internet of things (IoT) meets UAVs, to create the best aerial tool for agriculture.

Aerial spraying systems specialists, for macro and microorganism new bio-control products, Helipse and Agribird are nowaday's industry standard. Assets: large carying capacity (up to 12 kg), big autonomy (up to 1 hour), easily transportable (dismantling and reassembly in few minutes without tools). **www.helipse.com**

WWW.HELIPSE.COM

TELESPAZIO a LEONARDO and THALES company

SATELLITE AND UAV IMAGERIES

EARTHLAB AQUITAINE

Located on the premises of Aerocampus Nouvelle-Aquitaine in Latresne, the first EarthLab center defines and develops, in partnership with laboratories, SMEs and major industrial firms, next-generation services in operational environmental monitoring and decision-making assistance in fields related to viticulture and vineyards, forestry and coastal areas based on satellite and UAV imageries. **www.earthlab-galaxy.com/aquitaine**

CINEMA

CINÉDRONES INTERNATIONAL FESTIVAL

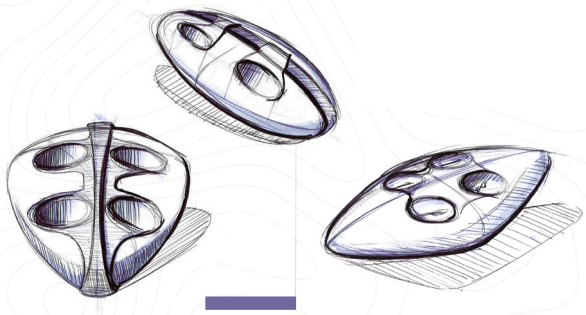
When UAV becomes Art! Launched by Bordeaux Technowest in 2015, the CinéDrones International Film Festival is the first European drone event dedicated to the art of aerial cinematography using drones. It aims to encourage the emergence of an innovative image industry by offering the audience a selection of the best international films that push the boundaries of cinema and audiovisual industries through the use of drones as new narrative tools, creativity and much more. **http://festivalcinedrones.com**

FESTIVAL CINE DRONES

AERIAL FILMING WITH DRONES

ATHENIUM FILMS skills in aerial filming for cinema, documentaries and advertisements industries are recognized around the world with already more than 8 prizes won in festivals in the USA (New York, San Francisco), Australia, Korea, Belgium, Bulgaria, France, UK... New in 2017: ATHENIUM FILMS developed MATRIX®, a proprietary software that manages the exposure and color space of images shot by the INSPIRE 2 DJI with the X5S camera to match the rendering of the ARRI® and RED® cameras. **www.athenium-films.com**

Athenium Films



CHALLENGE CONCEPTDRONE

Yearly, the AETOS ConceptDrone Challenge gathers three multidisciplinary students teams, coming from Bordeaux INP/ENSEIRB-MATMECA, Bordeaux University, KEDGE Business School, INSEEC and CREASUD-Écoles de Condé. Coached by local SMEs, they draft an innovative drone project, integrating technical, design and commercial dimensions. A prize is awarded to the winning team, that is accompanied in pre-incubation stage. **www.aetos-aquitaine.fr**

CESA DRONES: UAV TEST CENTER

CESA Drones SAS provides access to test sites for RPAS in optimal security conditions for people and goods. These flight test areas provide different elongations up to 50 km and 3 000 ft. CESA Drones also delivers a range of services and expertise of UAV system and technological expertise of equipment. Practical training is also delivered. Since 2013, CESA Drones has been a member of ICATS (International Consortium for Aeronautical Test Sites).
www.cesadrones.com - https://icatestsites.org

DRONE CAMPUS

The DroneCampus is a platform that will allow all types of players of the drone, to develop new technologies applications and training on a site, bringing together a large number of skills and dedicated infrastructures (indoor / outdoor aviary, test bench, offices, etc).
It will also have the task to unite the players of the drone training, in order to collectively respond to national and international markets with a high projection capacity.
www.aerocampus-aquitaine.com

AETOS
Cluster Drones

CONTACT
Jean-Marc Grolleau
Campus Thales Bordeaux
75-77 avenue Marcel Dassault - F/33700 MÉRIGNAC
Ph. +33 (0)5 24 44 63 41 - Mob. +33 (0)6 33 51 69 09
jean-marc.grolleau@fr.thalesgroup.com

www.aetos-aquitaine.fr

ADI Nouvelle-Aquitaine
Agence de Développement et d'Innovation

RÉGION Nouvelle-Aquitaine

THALES

© AETOS / ADI Nouvelle-Aquitaine – April 2017 – Graphic design : Robbygraphics.com