



# FP7 3<sup>rd</sup> Call Euromart Level1 Project Proposals AeroPortal Brussels Workshop

MCE, Brussels, 15 October 2009

Presentation delivered by AeroPortal on behalf of Euromart

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# General

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- *Euromart* has carried out significant **coordination of R&T** programmes within the **aircraft industry** in support of the BRITE EURAM programme and the 4<sup>th</sup>, 5<sup>th</sup> and 6<sup>th</sup> EC **Framework Programmes**
- Today due to the **changing environment** more and more industries want to be part of *Euromart* to better participate in the **coordination of the Collaborative Research** and therefore a **new organisation** was put in place to allow openness of membership **to more** aircraft integrators / airframe companies within ASD

# Role of *Euromart*

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- **The role of *Euromart***

- ▶ Harmonise and optimise the approach to **Collaborative Research** in the EU for aircraft and **airframe manufacturers**
- ▶ Support to EC's R&T initiatives by **providing EC** with an coordinated input that reflects the **needs of the European aircraft industry**

**This collaboration is limited to Research & Technologies at pre-competitive stages and each member shall keep its full freedom of action on markets.**

# Euromart Organisation

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- **Euromart is now enlarged**

- ▶ **Members are European Aircraft and Aero-structure Companies** (no limitation) fulfilling the following criteria:
  - The company's activities must include the research, design, development & manufacture of **aircraft/rotorcraft** or complex components.
  - The company is a **contributor** to the Aeronautics, Space and Defence Association (**ASD**) through its relevant National association.
  - The company is **eligible** to participate in the **EC Research Programmes** and is prepared to make the necessary investment
- ▶ **Euromart** is managed by an **Executive Board** composed of a/c integrators (**holding an EASA DOA for Large Aircraft or Helicopter**)

# Evolution of *Euromart* Membership



## 20 years ago

- Aeritalia
- Avions Marcel Dassault-Bréguet Aviation
- Construcciones Aeronauticas
- Aerospatale
- British Aerospace PLC,
- Dornier
- Fokker Aircraft BV,
- MBB
- SABCA
- Agusta
- Westland Helicopters
- Eurocopter
- Saab AB

## 5 years ago

- Agusta
- Alenia
- Airbus
- Dassault Aviation
- Eurocopter
- Saab AB
- S.A.B.C.A
- Westland Helicopters

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New members in TAs

- STORK FOKKER
- HAI
- RUAG
- PZL-ŚWIDNIK'
- PZL Mielec
- GAMESA
- EADS DEUTSCHLAND

## Today

### *Executive Board:*

- AgustaWestland
- Alenia
- Airbus
- Dassault Aviation
- Eurocopter
- PZL-Swidnik
- Saab AB

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*Members:*

- European Aircraft and Aero-structure Companies (ref. Page 5)

# Euromart Members



- **NEW Euromart Member Companies:**

- ▶ Aernnova Aerospace S.A. (ES); AleniaAermacchi SpA (IT); EADS Deutschland GmbH – MAS (DE); EADS Innovation Works (DE); GE Aviation Systems Ltd. (UK); GKN Aerospace Services Ltd. (UK); Hellenic Aerospace Industry S.A. (GR); Latecoere S.A. (FR); Patria Oyj (FI); Piaggio Aero Industries S.p.A. (IT); S.A.B.C.A. (BE); SONACA S.A. (BE); Stork Fokker AESP BV (NL); Bombardier (IR,)
- ▶ From New Member States: AERO Vodochody (CZ); LET Aircraft Industries, a.s. (CZ); PZL-Mielec (PL,)
- ▶ Enlarged EU: RUAG Aerospace (CH)

- **NEW Executive Board Member Company:**

- ▶ PZL-Swidnik (PL)

- **NEW Euromart Workshop Observers:**

- ▶ Israel Aircraft Industries (IL)
- ▶ AeroPortal SME Servicing Team (EU)

# FP7-C3 *Euromart* Proposals HLTC Greening



AAT.	Acronyms	Title
2010.1.1-2	<b>ELECTRICAL</b>	Electrically Conductive CFRP Laminates with Inherent Quality Control and In-service Monitoring System
2010.1.1.4	?	Energy Recovery & Electric Power Converter for Energy Efficient Rotorcrafts
2010.1.1-1 or -2 depending on the final focus of the proposal (drag or not)	<b>AEROMUCO [R]</b>	Aerodynamic Surfaces by Advanced Multifunctional Coating
2010.1.2-1 or 2010.4.1.5 (cost issue in the title and content)	<b>LC<sup>2</sup>MT [R]</b>	Low Cost Composite Manufacturing Tools
2010.1.2-2 if green otherwise 2010.4.1-5	<b>MALMAA (ex ALM)</b>	Metallic Additive Layer Manufacturing (ALM) for Aeronautic Applications
2010.1.2-1	<b>INFACT [R]</b>	Innovative Fast Curing Technologies
2010.1.1.1 if more related to noise technique 2010.1.1-2 if more related to material (2010.3.1-2)	<b>GREAC</b>	Green Acoustic Cabin
2010.1.1-1	<b>CHALLENGE</b>	Characterization of Acoustic Liners in Typical Aero-Engine Nacelle Environment Flight Environment
2010.1.4.1	<b>INSTAL</b>	Improve Noise Sources Transposition at Aircraft Level

# FP7-C3 *Euromart* Proposals HLTC Cost Efficiency



AAT.	Acronyms	Title
2010.4.1-1	<b>SWIFT [R]</b>	Synergy for Wind Tunnel Fast Testing
2010.4.1-5	<b>CERFAC</b>	Cost Effective Reinforcement of Fastener Areas in Composites
2010.4.1-5	<b>ERESA [R]</b>	Engineered Residual Stresses for Aeronautic Applications
2010.4.1-3	<b>AULTEST</b>	Advanced Non Contact Ultrasonic TESTING
2010.4.1-1	<b>ACEFAG</b>	Advanced and Cost Effective Flight and Ground Tests Techniques
2010.3.3-1 (2010.3.4-1)	<b>SAMAES</b>	Smart Aircraft in Emergency Situations
2010.4.2-1	<b>ICE-AFP</b>	Ice Accretion and Aircraft Performance
2010.4.1-1	<b>NODESIM 2</b>	Improve capacity to account for uncertainties in the design of aircraft in view of reducing development time and cost.
2010.4.2-2	<b>EDM<sup>3</sup> (ex DACSSA) [R]</b>	Environmental Degradation Measurement, Monitoring & Management
2010.4.1-2 2010.4.1-5	<b>DOTNAC [R]</b>	Development and Optimization of THz NDT on Aeronautics Composite Multi-layered Structures

# FP7-C3 *Euromart* Proposals HLTC Pioneering



AAT.	Acronyms	Title
2010.6.1-4	<b>EWAA</b>	Regulation Free Embedded Wireless Networks for On-board Aircraft Applications
2010.6.1-3	<b>PASCALE</b>	Increased Passenger Comfort by Control of Aerodynamically Induced Noise.
2010.6.1-4	<b>MATEA</b>	Multi-functional Architecture Toolkit for Energy Assessment
2008.6.2-3	<b>ATF</b>	Air Transport of the Future

# Summary



- **Summary**

- ▶ After extensive review with all involved *Euromart* Members it was possible to reduce the original number of project proposals from 49 to 23 to allow for a better rate of success
- ▶ Retained number of Euromart Level1 project proposals in the different HLTCs

HLTC	No. of Euromart Project Proposals intended for submission in response to FP7 3rd Call
Greening	9
Cost Efficiency	10
Pioneering	4

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