



History
Organization

Our customers
Our market

Strategy

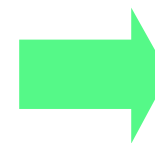
Aerostructure

Production
capacity

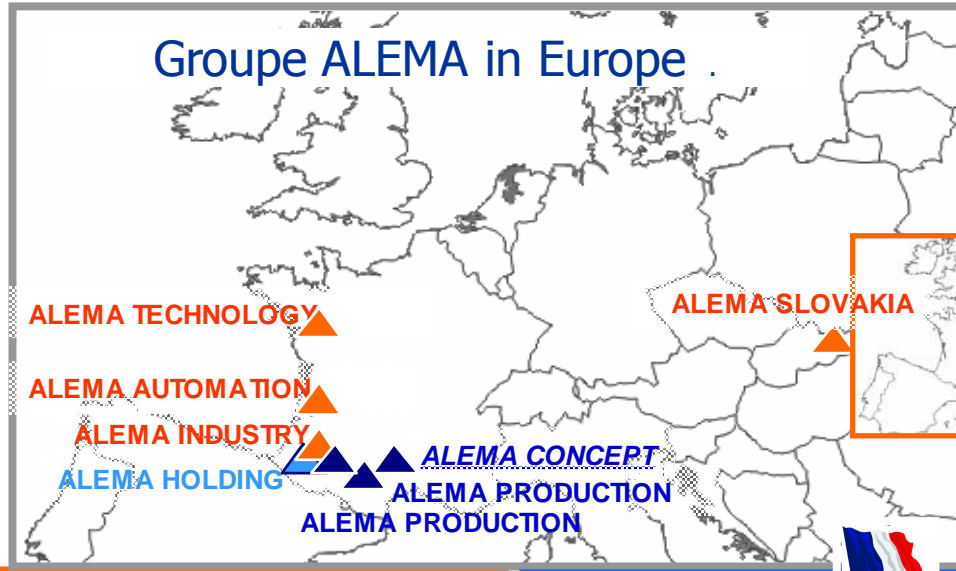
Tools - Automation



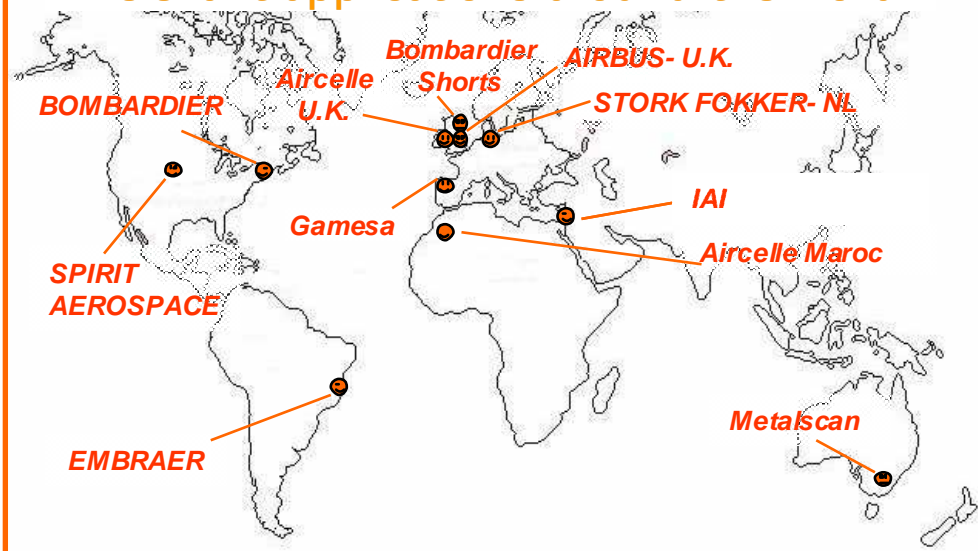
History Group organization



Groupe ALEMA in Europe



Relevant applications around the word



Customers in France

Groupe SAFRAN
 AIRCELLE
 LABINAL
 MESSIER-DOWTY
 SNECMA
 TURBOMECA

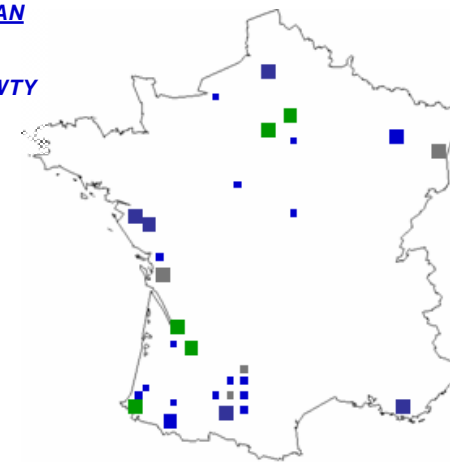
AIRBUS
 France

EADS
 SOGERMA

EADS
 SOCATA

Latécoère

Latecis



AREVA
 ALSTOM
 Reims Aviation
 MBDA
 DAHER
 Aerospace

**DASSAULT
 AVIATION**

SENIOR
 Aerospace

THALES ALENIA
 Space

ALCATEL Space

EUROCOPTER



ALEMA Group

History Organization	Our customers Our market	Strategy	Aerostructure	Production capacity	Tools - Automation
---------------------------------	-----------------------------	----------	---------------	------------------------	--------------------

ALEMA HOLDING
ALEMA : Parc technologique Jean BERTIN, 40220 TARNOS. Tél : +33 (5).59.64.97.46
Chairman : Joel ROY / j.roy@alema.net
Sales : Olivier DARROUZES / o.darrouzes@alema.net
Quality : Daniel IDIART / d.idiart@alema.net

ALEMA Holding & all ALEMA Compagnies are
ISO9001 & EN9100 approuved



**Department
Tools, robots & automation**

**Department
Aérostructure**

160 workers 16 M€ (2007)

160 personnes 14 M€ (2007)

**ALEMA
Industry**

**ALEMA
Automation**

**ALEMA
Technology**

**ALEMA
Slovakia**

**ALEMA
Concept**

**ALEMA
Production
Pontacq**

Director :
B Abane

Director
JF Dupuy

Director
JF Dupuy

Director
**JP
Anchordoquy**

Director
D Lachèze

Director
A Villard

History
Organization

Our customers
Our market

Strategy

Aerostructure

Production
capacity

Tools - Automation

Our customers

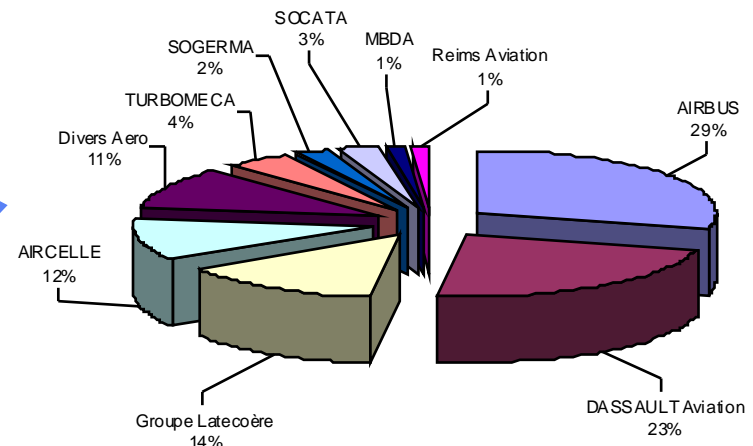


2007 Turnover & distribution

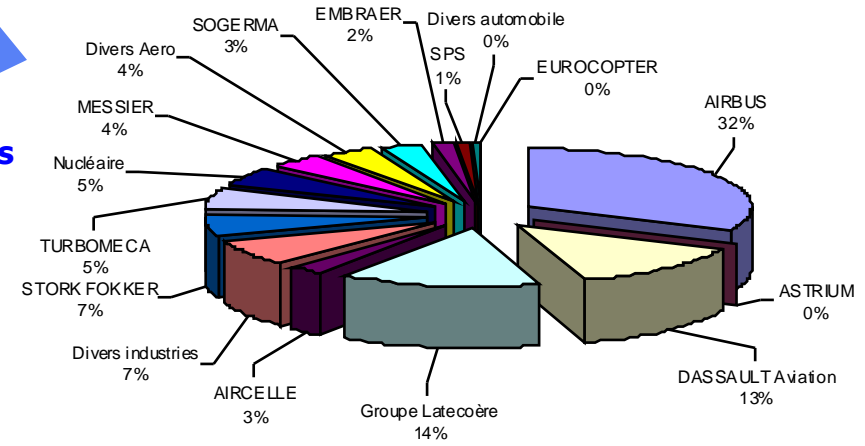
History Organization	Our customers Our market	Strategy	Aérostructure	Production capacity	Tools - Automation
-------------------------	-----------------------------	----------	---------------	---------------------	--------------------

Client	Division	%
EADS	AIRBUS	30,5%
	SOGERMA	2,7%
	SOCATA	1,2%
	MBDA	0,6%
	EUROCOPTER	0,1%
	ASTRIUM	0,1%
DASSAULT Aviation		17,3%
Groupe Latecoère		14,1%
SAFRAN	AIRCELLE	6,2%
	TURBOMECA	5,0%
	MESSIER	2,2%
	SPS	0,6%
Divers industries	Divers industries	4,2%
	Nucléaire	3,1%
	Divers automobile	0,2%
Divers Aero		6,5%
STORK FOKKER		3,9%
EMBRAER		1,0%
REIMS Aviation		0,4%

14 M€
Aérostructures



16 M€
Tools & robots



History
Organization

Our customers
Our market

Strategy

Aerostructure

Production
capacity

Tools - Automation

Our market





Our market / Tools - Automation

History Organization	Our customers Our market	Strategy	Aerostructure	Production capacity	Tools - Automation
-------------------------	-----------------------------	----------	---------------	------------------------	--------------------

	ALEMA	ALEMA Industry	ALEMA automation	ALEMA Technology	ALEMA Slovakia
Assembly lines Flowed lines	Global Engineering	Design manufacturing Integration			Manufacturing (low cost)
Big tools		Design manufacturing Integration			Manufacturing (low cost)
Medium tools		Design manufacturing Integration			Manufacturing (low cost)
Small tools		Design manufacturing Integration		Design Integration	Manufacturing (low cost)
Robotics cells (drilling, fastening, trimming, non destructive control.....)			Design Integration		Manufacturing (low cost)
NC programming				Robots	5 axis





Our market / Aérostructures

History Organization	Our customers Our market	Strategy	Aerostructure	Production capacity	Tools - Automation
-------------------------	-------------------------------------	----------	---------------	------------------------	--------------------

	ALEMA	ALEMA Concept	ALEMA Production Main means
Design & Stress for metallic parts & sub aero structures	Risk Sharing Partner For work package & Global Engineering	Work package -> 60 000 h	
Design & Stress for composite parts & sub aero structures		Work package -> 60 000 h	
Metallic parts (Aluminum, titanium, steel)			NC Machining -> 1700 x 700 x 700 800 x 800 x 800
Sheet metal parts (Aluminum, titanium)			Complex parts Rubber press 2000 x 1000 . 4000T
Composite parts			Acoustic drilling with robots Contouring, trimming with robots
Sub assemblies			Complex sub assemblies



History
Organization

Our customers
Our market

Strategy

Aerostructure

Production
capacity

Tools - Automation

Our strategy





Tools & Robotic

- **Scope of work / 2008**

- ✓ ALEMA Automation, ALEMA Technology et ALEMA Industry
- ✓ CA : 17 M€ / 160 workers

- **Our spécialities**

- ✓ Assy line, flexible assy line
- ✓ robotic cell (drilling, fastening, non destructive test)

- **Objectives 2010**

- ✓ CA 2010 : 20 M€
- ✓ 160 workers

- **Means**

- ✓ New customers (Embraer, Stork Fokker, Spirit Aerospace)
- ✓ **3 families products (Drilling, drilling and fastening, non destructive test)**





A strong development for Aerostructure division

- **Scope of work : 2008**

- ✓ ALEMA CONCEPT, ALEMA PRODUCTION
- ✓ CA : **17 M€** / **160 workers**

- **Our spécialities**

- ✓ Design, Stress, sheet metal & mechanic parts, aerostructure work package

- **Objectives**

- ✓ Turnover 2010 : **40 M€**
- ✓ To reach critical size for the aerostructure division

- **Means**

- ✓ Increase in the potential of production and the management of subcontracting.

