

# COMPANY PROFILE





## PROUD TO MAKE THE FUTURE FLY

*Leading the innovation through divergent thinking to become a reference Partner for the design and manufacturing of integrated systems...*

# VISION

We want to make OMA a **leader in aerospace innovation**, acquiring recognized and certified skills and certifications in the **design of integrated systems**. We want to be a **reliable and competent partner** upon which our Customers rely for the development of a **joint growth strategy**

# MISSION

Our mission is to **satisfy our Customers' needs** with **high-tech solutions** and top quality aerospace products. We sustain, generating value, the Company **growth respecting the social environment** and the territory with the continuous improvement of our industrial process, based on decades of experience

Divergent thinking

Tradition

Success

# VALUES

Quality and efficiency

Responsibility

Competence



# About Us

1948



“ OMA is a privately held Italian aerospace Company established in 1948 ”



**100% involved in Aerospace**



**4 sites located in Foligno**



**81 000 m<sup>2</sup> (872 000 sq ft)**



**Close to the local airport**



**1 subsidiary in Tuscany: Sky Eye Systems operating in the UAS market**

2023



“OMA is a trusted worldwide Aerospace Supplier providing high-value Product Solutions”

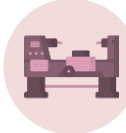


**Workforce: ~ 650 Employees**



**Expected Revenues 2023: ~ 78 M€** (exceeding pre-Covid 19 level)

**Portfolio 2024: > 90 M€**



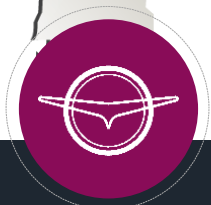
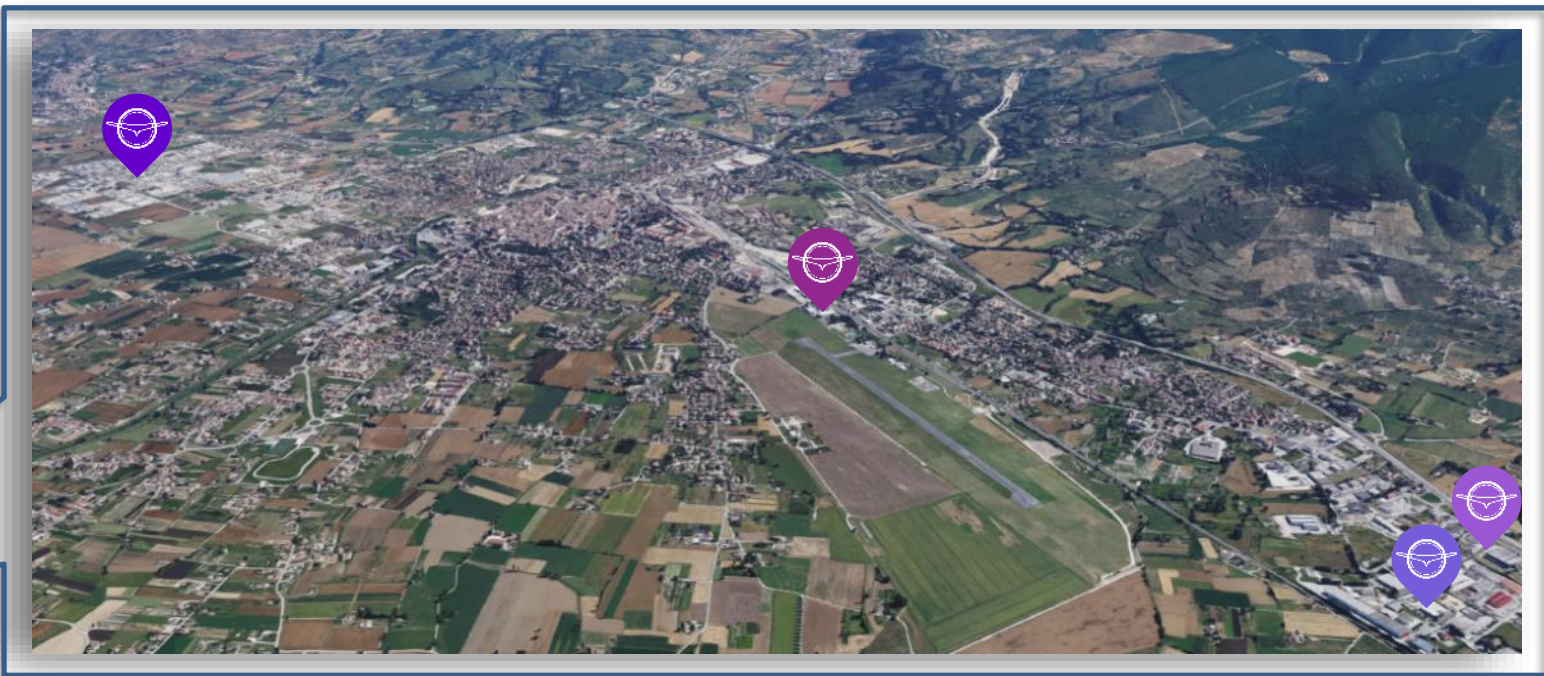
**>1 Million parts produced per year  
(>130 000 P/Ns managed)**



**Membership**

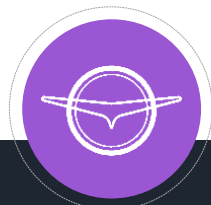






## Main Plant

Manufacturing, Special Processing, Assembly and Testing of components



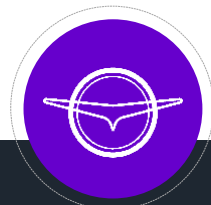
## S. Eraclio

Assembly of integrated aerostructures, MR&O



## S. Eraclio

Warehouse (cut-to-shape, nesting, cut-to-size)



## Paciana

Painting Shop  
Assembly of integrated aerostructures



## Cascina

Sky Eye Systems  
UAV NewCo



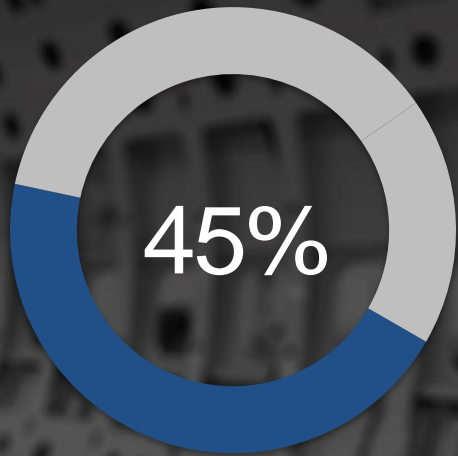
## Representative Office



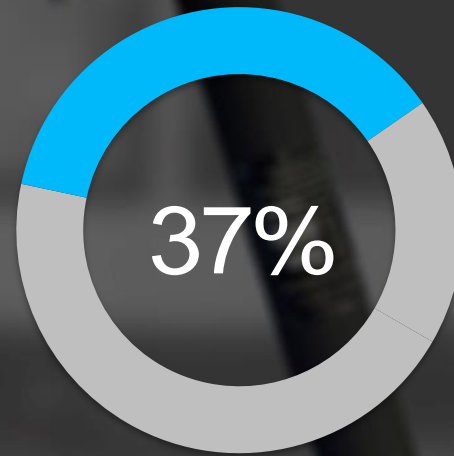
# OMA Key Competencies

Design, Manufacturing, Integration and Logistic Support

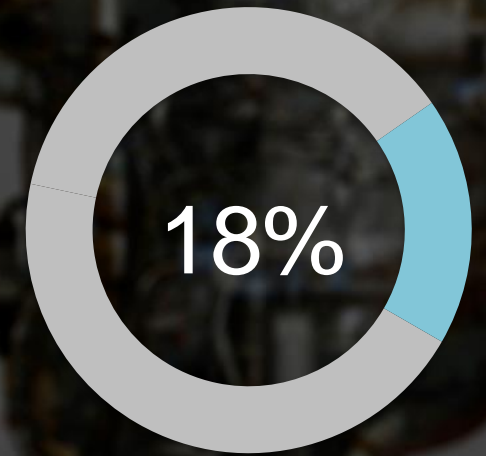
2022 Revenues breakdown



Integrated  
Aerostructures



On-board Systems



Product Support  
Services

# Commercial



## FIXED WING

### Business and Executive

- Bombardier Global Express - G7500/8000
- Dassault Falcon 900EX - 2000 - 7X – 10X
- Gulfstream G280 – G700
- Piaggio Aerospace P180

### General Aviation

- Vulcanair Aircraft P.68

### Large Passenger Aircraft

- Airbus A319-A320-A321-A330-A340-A380
- Boeing B737-B747-B757-B767
- Comac C919

### Regional

- ATR 42 / ATR 72
- De Havilland DHC-8 Q400



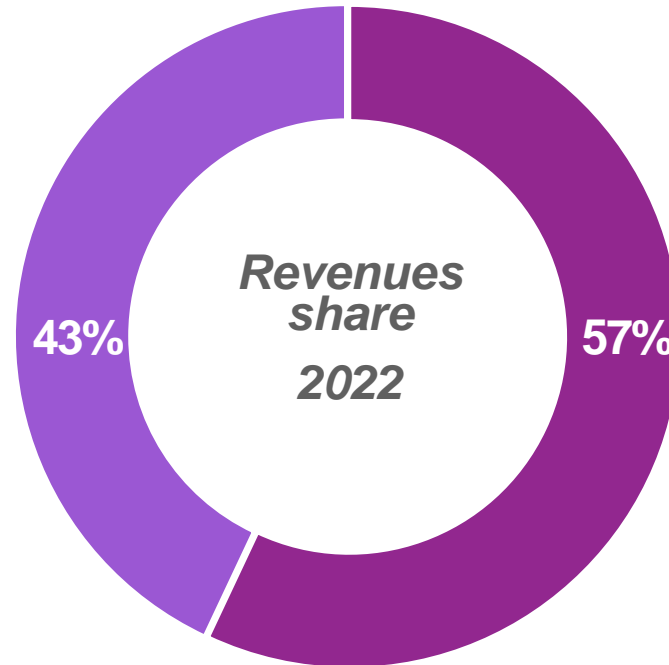
## ROTARY WING

### Helicopters

- Airbus Helicopters H155 - H160 - H175 – H225
- Leonardo Helicopters AW109-AW139-AW169-AW189



# Programs



## FIXED WING

### Airlifters

- Indonesian Aerospace CN-235
- Leonardo Aircraft C27J
- Lockheed Martin C-130J

### Fighters

- Eurofighter Typhoon
- Lockheed Martin F-35 (JSF)
- Panavia Tornado
- Turkish Aerospace TF-X

### Trainers

- Leonardo Aircraft M346 - M345
- Leonardo Aircraft S-208 & SF-260
- Northrop T-38



## ROTARY WING

### Helicopters

- Airbus Helicopters H160M
- KAI Surion (Korean Utility Helicopter)
- Leonardo Helicopters AW129 - AW101 - AW249
- NHI NH90



# Defense

**Broad-based & robust Portfolio balanced between Civil and Defense applications**



# Programs Involvement

BTP DESIGN INVOLVEMENT BTS

Airbus A340  
Bombardier G7500/8000  
Comac C919  
Gulfstream G700  
Learjet LJ 75  
Leonardo Helicopters AW189

Airbus A319-A320-A321-A330-A340-A380  
Airbus Helicopters Super Puma – Dauphin  
ATR 42 / ATR 72  
Boeing B737-200/-300/-400/-700 P2F / B767  
Bombardier G7500/8000 - Global Express  
Falcon 900EX / 2000 / 7X / 10X  
Learjet LJ 75  
Lockheed Martin F-35 (JSF)  
Northrop T-38



Airbus Helicopters H160 / H160M  
ATR 42 / ATR 72  
AW109-AW139-AW169-AW129-AW101-AW249  
Eurofighter Typhoon & Panavia Tornado  
KAI KUH - LCH - LAH  
Leonardo M346 - M345 - C27J  
NHI NH90  
TAI TF-X

Airbus A330  
ATR 42 / ATR 72  
Boeing B737-B747 P2F  
Eurofighter Typhoon  
IAI-Gulfstream G280  
Leonardo M346 - C27J  
Lockheed Martin F-35 (JSF)

*Tier 2 and below*

**POSITIONING**

*Tier 1*





# Customers



**AIRBUS**

**ATR**

Avio Aero

**BAE SYSTEMS**

**BOEING**



DE HAVILLAND AIRCRAFT  
OF CANADA LIMITED



**HÉROUX DEVTEK**



**KAI** KOREA AEROSPACE  
INDUSTRIES, LTD.



KONGSBERG

**LEONARDO**

**LIEBHERR**

**LOCKHEED MARTIN**



**NORDAM**

**PEMCO**  
CONVERSIONS

**PIAGGIO**  
AEROSPACE

**SAFRAN**

**TURKISH**  
AEROSPACE





# Certifications

OMA has been certified by relevant National and International Standard Organisation Approvals as follows:



- ✓ Quality Management Systems  
**UNI EN ISO 9001:2015**  
**EN 9100:2018**  
**EN 9110:2018**
- ✓ Design, Development and Production  
**EASA Part 21/G (POA)**
- ✓ Health, Environmental and Safety Management Systems  
**ISO 45001:2018**  
**ISO 14001:2015**
- ✓ Maintenance, Repair and Overhaul  
**AER(EP).P-145 (EMAR-145)**  
**EASA Part 145 (MOA)**  
**FAA - 14 CFR Part 145**  
**TCCA CAR 573**  
**CAA UK (MOA)**
- ✓ Special Processes (**NADCAP**)  
**Chemical Processing**  
**Heat Treating**  
**Welding**  
**Non Destructive Testing**  
**Surface Enhancement**



# Engineering

## Design Organization consisting of 35 engineers

### Design

Design and develop new products in compliance with customer specifications and aeronautical rules

Software Tools for 3D modeling and kinematic analysis: **Catia V5, PTC Creo**

### Stress & Performances

Validate design throughout mathematical analysis. Verify material strength and characteristics, assess fatigue life, evaluate and guarantee requested product performances

Software Tools for stress analysis and system modeling: **Creo Simulate, Abaqus, Matlab-Simulink, AMESim**

### Reliability & Flight Safety

Assess products meet reliability and maintainability requirements. Produce Failure Mode Effect and Criticality Analysis. Evaluate safety aspects

Standards, handbooks, in-service data, Isograph Reliability Workbench software for R&S analysis

### Qualification Testing

Define, plan and conduct qualification tests in order to demonstrate compliance of the product to environmental and specification requirements

Testing laboratory equipped with **environmental & pressure test facilities** and dedicated test benches

## Manufacturing Engineering consisting of 30 engineers

### Manufacturing layouts

Prepare working documents starting from DTAs (Approved Technical Data). The documents elaborated are suitable for obtaining conformed documents for Processing Cycles, Workshop Drawings, Operating Sheets. Define the Make or Buy process

### NC Programming

Starting from CAD-CAM analysis, preparing all working documents for the production of a part, generating the Part Program, positioning sheets, tool sheets and any DWG manufacturing

### Tool & Jig Design

Design complex layouts for manufacturing tools and for assembly yards. Draft technical supply specifications and produce use and maintenance manuals for the equipment designed and realized

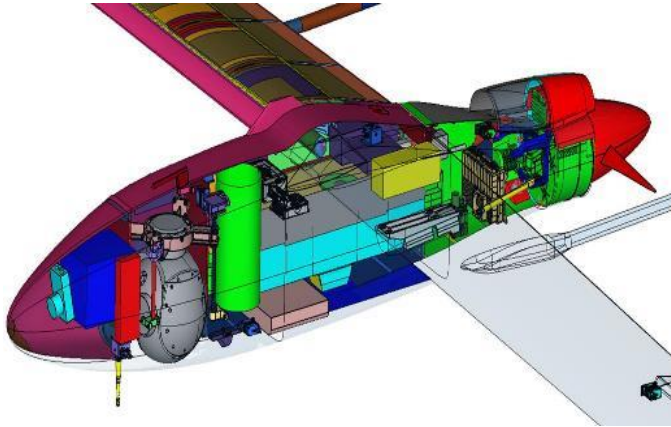
### Material & Process Engineering

Analyze the gap between the processes available in OMA and the customer requirements in order to hold and maintain qualifications needed. Organize internal training courses to share the know-how with methods area



# Engineering

Design capabilities - Roadmap for the Future



Airborne systems integration and  
aerostructures design

Smart Actuation

Electronics  
Design

Integrated  
Aerostructures

Actuation &  
Hydraulics

Brakes

New developments

Consolidated competencies





# Manufacturing Equipment and Facilities

FMS Milling Centres

Sheet Metal

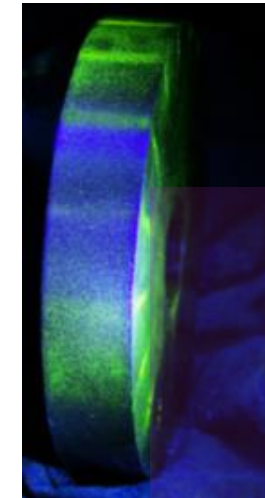
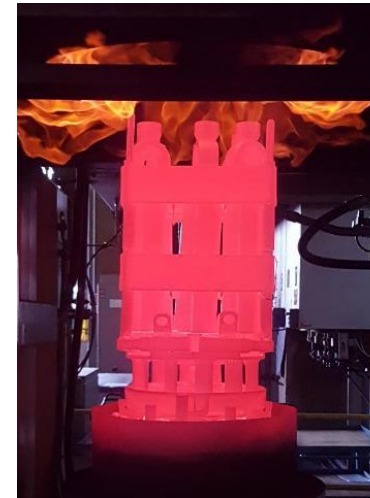
NC Mill-Turn machines



Aerostructure and Equipment Assembly

Surface Processes & Heat Treatments

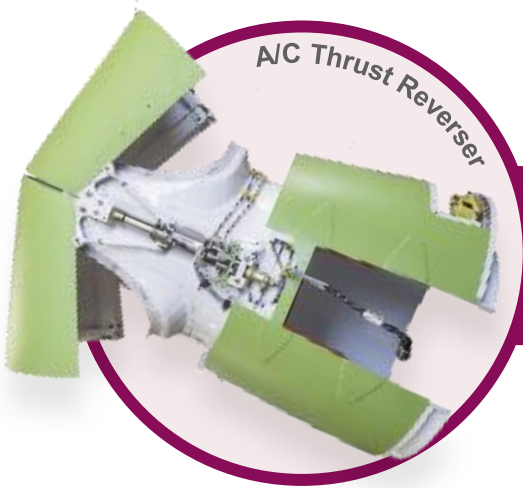
R&D Laboratory & Testing facility





# Primary Product Lines

A/C Thrust Reverser



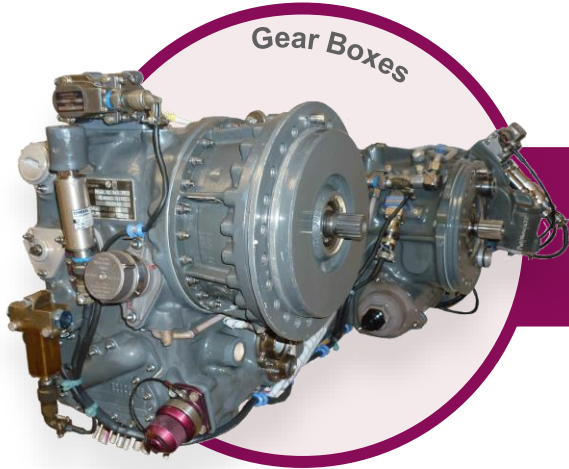
**INTEGRATED  
AEROSTRUCTURES**

Rotor Brake System



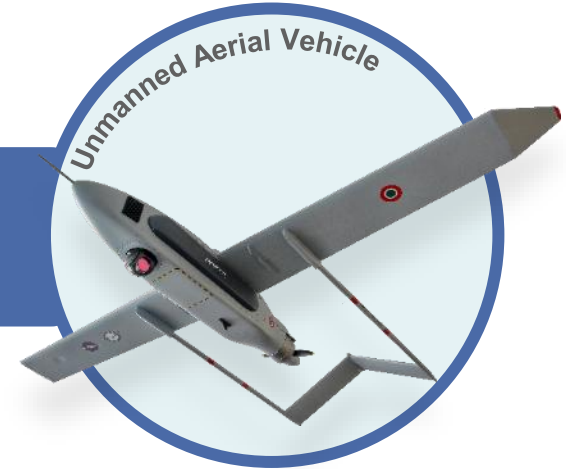
**ON BOARD AIRCRAFT  
SYSTEMS**

Gear Boxes



**PRODUCT SUPPORT  
SERVICES**

Unmanned Aerial Vehicle



**UNMANNED AERIAL  
SYSTEMS**

**Wide Range of Engineering, Manufacturing & Integration Capability**



# Integrated Aerostructures

OMA's Capable of Producing Large & Complex Metallic Structures/Systems; Integrated CADAM, Manufacturing & MRP

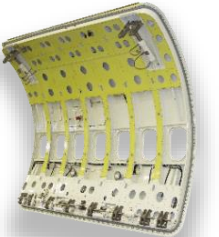
## DETAIL PARTS



- Large & Complex Metal Machining
- Sheet Metal

- Center of Excellence for Titanium Machining
- More than 700 P/Ns in production for F35 JSF

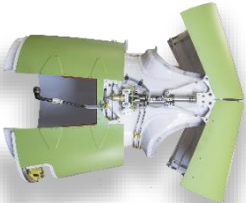
## DOORS



- Main Cargo Doors
- Passenger Doors
- Service Doors

- More than 500 Doors delivered
- B737 and B747 P2F conversions
- Integration with Door Actuation System
- Ability to provide “ready to install” kits

## NACELLES



- Engine Nacelle Components
- Integrated Thrust Reversers

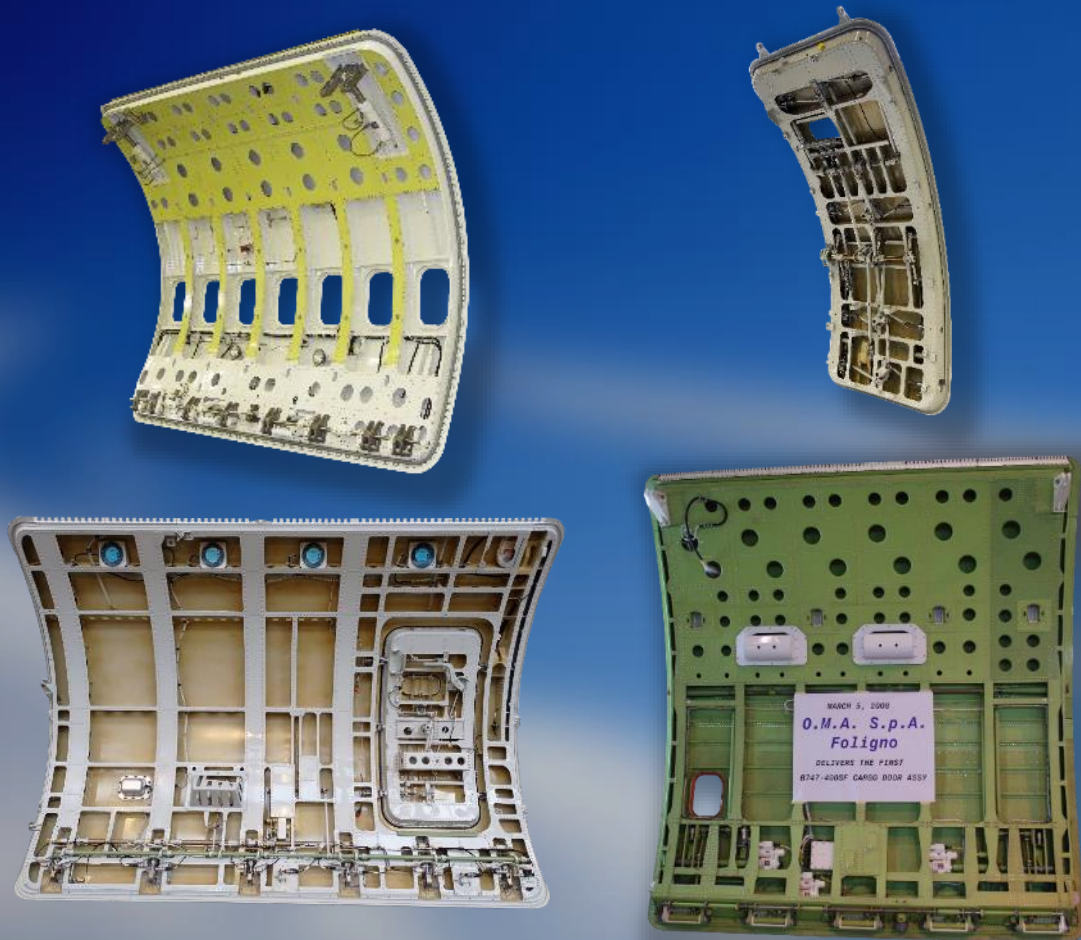
- Integration with Thrust Reverser Actuation and Latching System
- Ability to design and produce “ready to install” kits

## Full Spectrum Capabilities

**Concurrent design** and manufacturing of complex assemblies, integrating metallic parts manufactured in house



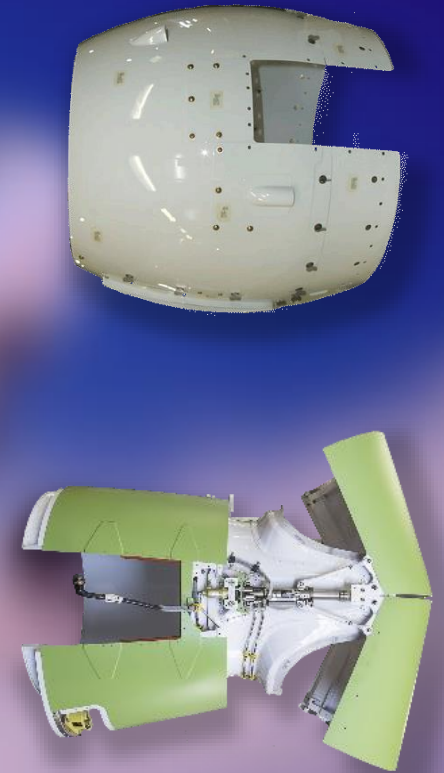
# Integrated Aerostructures



Cargo Doors



Passenger & Service  
Doors



Inner Fan Duct &  
Thrust Reversers  
Assembly

# On Board Aircraft Systems Products

Experienced in the Design, Build & Test of Flightworthy & Flight Qualified Hardware

## ACTUATION



- Landing Gears
- Thrust Reversers
- Flight Controls
- Utility Actuators

- Capacity for **High Volume Programs** (e.g. **A320** landing gear actuators)
- **Integration** of complete Actuation Systems

## BRAKING SYSTEMS



- Rotor Brake Systems
- Wheel Brake Hydraulic Control Systems
- Brake-By-Wire Integrated Systems

- Broad experience in design certification & production of Braking Systems: Mechanical, Hydraulic and Electro-Mechanical

## HPS & ECS



- Hydraulic Reservoirs, Filter and Accumulators
- Electro-hydraulic Control Modules
- Equipment for Environmental Control

- Development and certification of complete Hydraulic Power Systems (HPS)
- Experience on pneumatic valves for Environmental Control Systems (ECS)

## Full Spectrum Capabilities

Design and manufacturing of complete Actuation Systems also based on **Electro-Mechanical design**

Facilities and know-how for **equipment testing and qualification** performed in-house





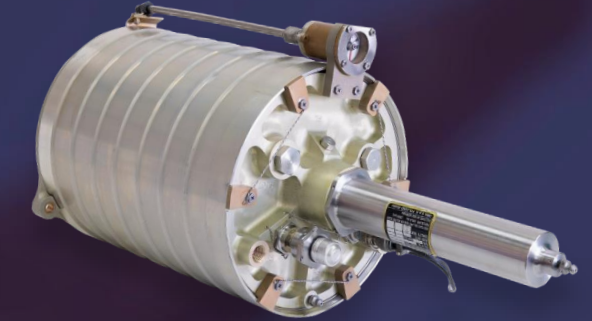
# On Board Aircraft Systems Products



**Landing Gear Actuators**



**Electro-Hydraulic, Electro-Mechanical & Mechanical Rotor Brake Systems**



**Bootstrap Hydraulic Reservoirs**



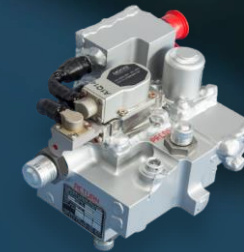
**Flight Controls**



**Wheel Brake Hydraulic Control Systems**



**Thrust Reverser Actuation and Locking Systems**



**Electro-Hydraulic Control Valves**



# Product Support Services

## AIRCRAFT & ENGINES



- Aircraft MRO for IT MoD
- Piston & Turboprop Engines Overhaul

- Complete overhaul of the Italian MoD S-208A and SF-260 fleets
- Repair station for Lycoming piston engines
- On-Filed Support for MoD fleets

## APUs EQUIPMENT



- C130 H and J
- Tornado
- G-222

- Full Overhaul, Test & Calibration for Italian MoD
- More than 470 APU overhauled
- Licensed by OEMs

## ENGINE GEARBOXES



- Tornado for IT MoD

- Full Overhaul, Test & Calibration
- More than 450 Gearboxes overhauled
- Licensed by OEM

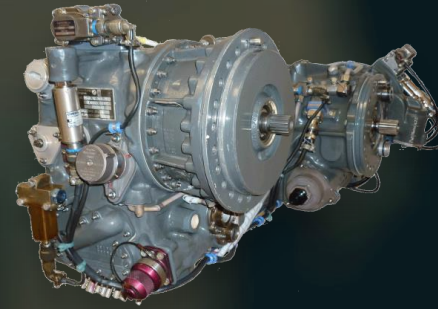
**20 Years of Overhaul, Full Test & Calibration Experience**



# Product Support Services



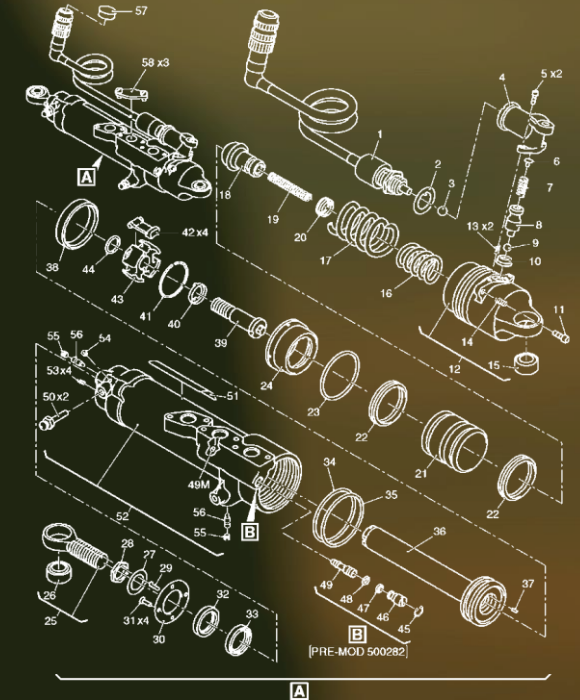
**Aircraft**



**Gear-Boxes**



**Auxiliary Power Units**



## **Integrated Logistic Support Services:**

- Technical Publications
- Training Courses
- On-field Support



# Sky Eye Systems (SES)

UAS development excellence center and technology hub

Sky Eye Systems S.r.l. (SES) is a **company founded in 2017** by OMA to develop a complete range of **Unmanned Aerial Systems (UAS)**, the “Rapier Family”, with Maximum Take-Off Weight (**MTOW**) between **25 and 150 kg**. It owns **high-level aeronautical competences** for a complete domain of technologies aimed at the **design, prototyping and production of UASs**

In addition, SES is establishing a **technology hub** and is becoming an “**incubator**” with **high strategic value** for OMA Group and for Italy

## SES AS A DRIVER FOR TECHNOLOGICAL DEVELOPMENT

- Located in **Cascina** (Pisa, Italy), it collaborates with leading **Tuscan Universities** (Florence, Pisa), and with innovation and research **scientific institutes**
- Proximity to the **Polo Tecnologico** di Navacchio, SES has supported the inception of **innovative start-ups**



SES has played a central role in creating an **ecosystem** of **technological innovation** applied to the Unmanned sector

## CERTIFICATIONS



Quality Management  
Systems  
**ISO 9100**



Military Design  
Organisation Approval  
(MDOA)



Product Certification  
**Rapier X-25 Military Type  
Certificate**



# Sky Eye Systems (SES)

Focus on “Rapier Family” System

## Modular UAS platform

### Aerial Segment

#### UAS Family



RAPIER  
X-25



RAPIER  
X-SKYSAR



RAPIER  
FTUAS

### Synthetic Aperture Radar (SAR)



### Ground Segment

#### Pneumatic Launcher



#### Recovery System

### Ground Control Station (GCS)





[www.omafoligno.it](http://www.omafoligno.it)



<https://it.linkedin.com/company/omafoligno>



<https://youtube.com/@omaaerospacegroup3240>

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