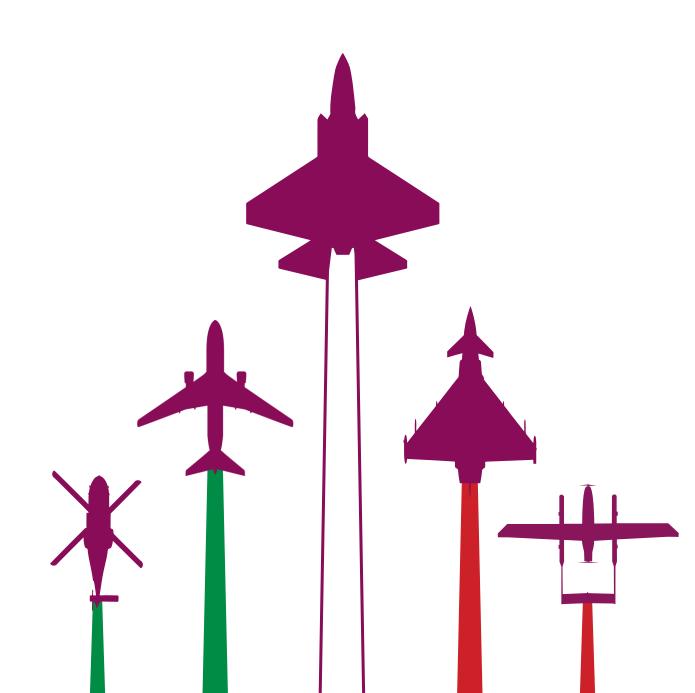


# **EXECUTIVE SUMMARY**



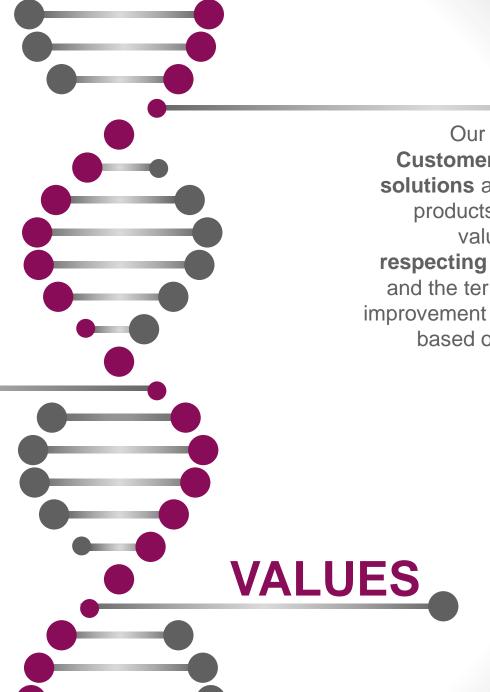


#### PROUD TO MAKE THE FUTURE FLY

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

**Quality and efficiency** 

Responsibility

Competence

### **About Us**







**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



Workforce: ~ 700 Employees



Revenues 2024: ~ 93 M€

Portfolio 2025: > 105 M€



> 1 Million parts produced per year

> 130 000 P/Ns managed

















aerostructures

cut-to-size)



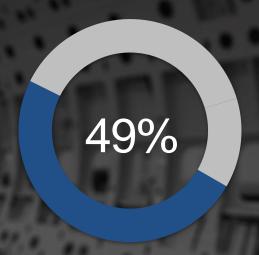
and Testing of

components

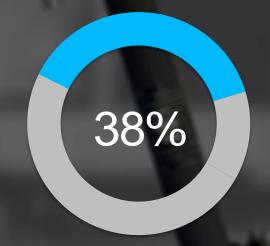
# **OMA Key Competencies**

Design, Manufacturing, Integration and Logistic Support

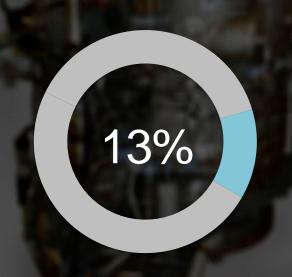
2024 Revenues breakdown



Integrated Aerostructures



On-board Systems



Product Support Services



## **Programs**

### **Commercial**





#### **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

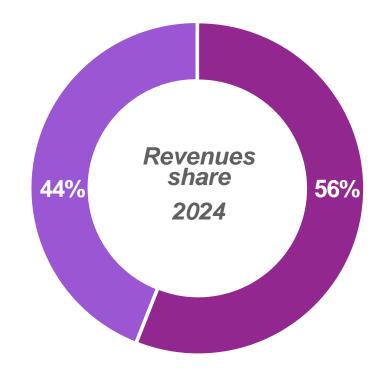
- ATR 42/ATR 72
- De Havilland DHC-8 Q400



#### **ROTARY WING**

#### **Helicopters**

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





#### **Airlifters**

- 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

#### **UAVs**

Eurodrone



#### **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**

Airbus A340

**Bombardier G7500/8000** 

Comac C919

**Gulfstream G700** 

**Leonardo Helicopters AW189** 

**Eurodrone** 

Airbus A319-A320-A321-A330-A340-A380 Airbus Helicopters H225-H155-H175 ATR 42 / ATR 72 Boeing B737-200/-300/-400/-700 P2F/B767 Bombardier G7500/8000-Global Express Falcon 900EX/2000/7X/10X Lockheed Martin F-35 (JSF) Northrop T-38 Airbus Helicopters H160/H160M
ATR 42/ATR 72
AW109-AW139-AW169-AW129-AW101-AW249
De Havilland DHC-8 Q400
Eurofighter Typhoon & Panavia Tornado
KAI KUH-LCH-LAH
Leonardo M346-M345-C27J
NHI NH90
Turkish Aerospace TF-X

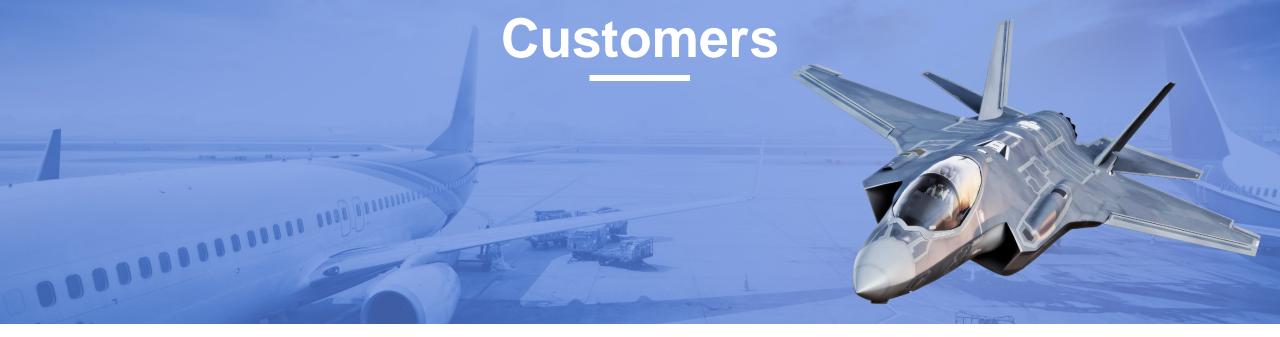
Airbus A330 ATR 42/ATR 72 Boeing B737-B747 P2F Eurofighter Typhoon IAI-Gulfstream G280 Leonardo M346-C27J Lockheed Martin F-35 (JSF)

Tier 2 and below

**POSITIONING** 

Tier 1





















































### Certifications

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











**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** 

CAA UK (MOA)

Special Processes (NADCAP)

Chemical Processing

**Heat Treating** 

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 35 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**

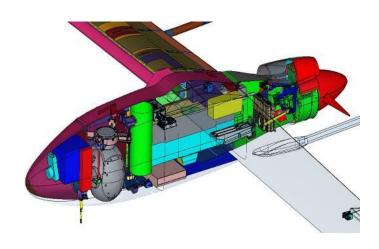
Analyze the gap between the processes available in OMA and the customer requirements in order to hold and maintain qualifications needed.

Organize internal training courses to share the know-how with methods area



## **Engineering**

**Design capabilities - Roadmap for the Future** 

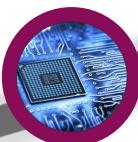


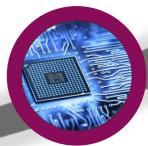
**Brakes** 

Airborne systems integration and aerostructures design

**Smart Actuation** 

**Electronics** Design





New developments

**Actuation & Hydraulics** 





**Integrated Aerostructures** 

Consolidated competencies



### Manufacturing Equipment and Facilities

FMS Milling Centres

**Sheet Metal** 

NC Mill-Turn machines





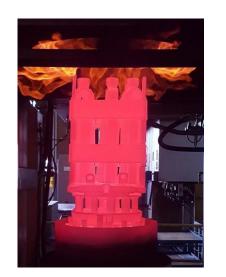
Aerostructure and Equipment Assembly

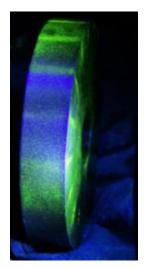
Surface Processes & Heat Treatments

R&D Laboratory & Testing facility





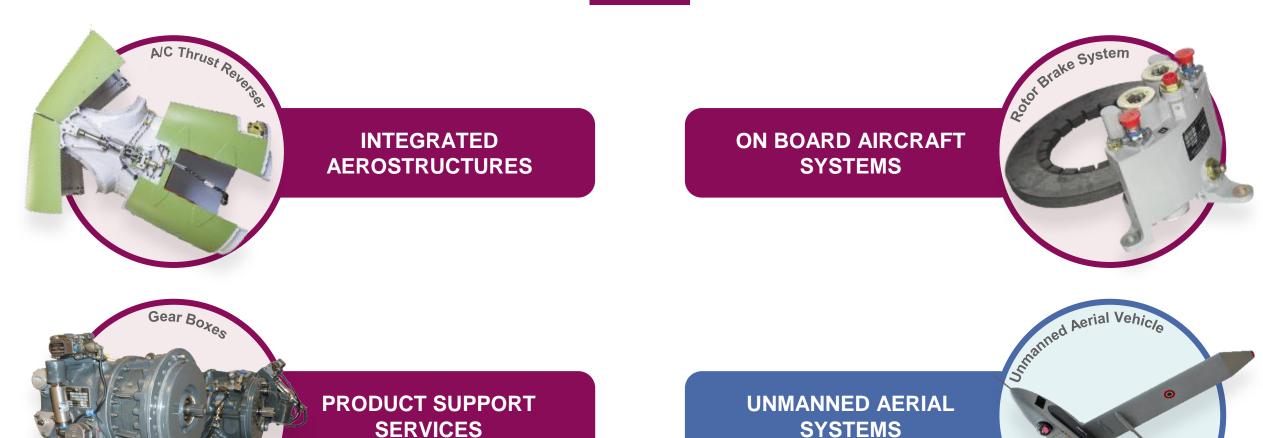








### **Primary Product Lines**



Wide Range of Engineering, Manufacturing & Integration Capability



# DOORS

### **Integrated Aerostructures**

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



- Large & Complex Metal Machining
- Sheet Metal

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



- 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



- Engine Nacelle Components
- Integrated Thrust Reversers

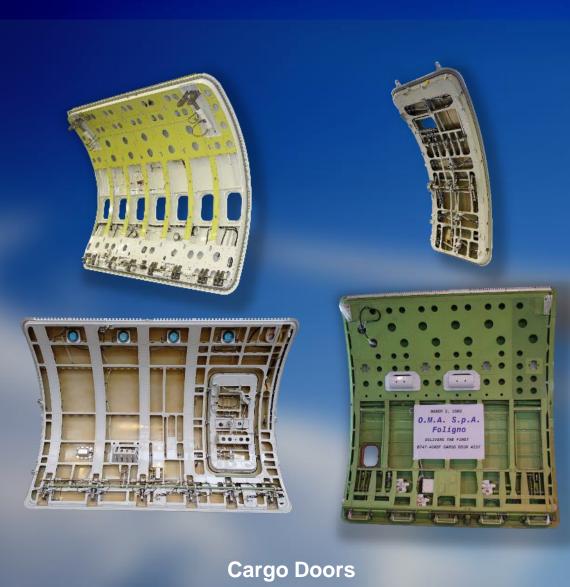
- Integration with Thrust Reverser Actuation and **Latching System**
- Ability to design and produce "ready to install" kits

#### **Full Spectrum Capabilities**

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



# Integrated Aerostructures







# ACTUATION

### On Board Aircraft Systems Products

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



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

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



- 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









Wheel Brake
Hydraulic
Control 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 SEARBOXES



Tornado for IT MoD

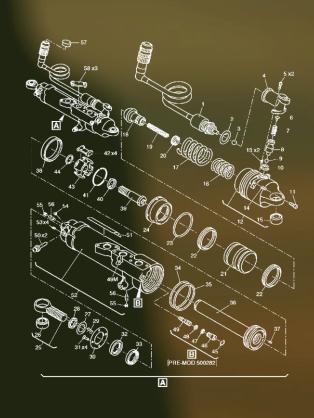
- Full Overhaul, Test & Calibration
- More than 450 Gearboxes overhauled
- Licensed by OEM

20 Years of Overhaul, Full Test & Calibration Experience

## **Product Support Services**







### 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



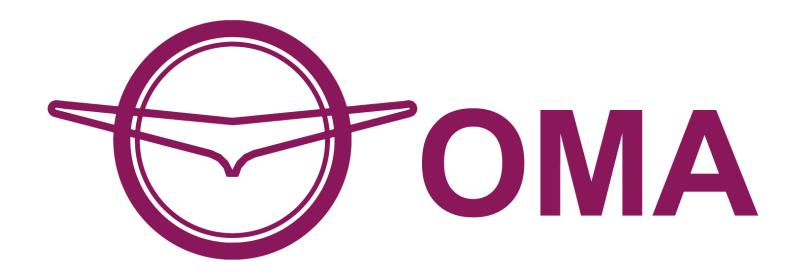


Recovery System

#### **Ground Control Station (GCS)**









www.omafoligno.it



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



https://youtube.com/@omaaerospacegroup3240

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