



Shaping The Way Our World Moves ™

- ▶ Founded in 1951 by Bill Moog
- ▶ Headquarters in East Aurora, NY
- Multi-national Company
 - Over 100 locations in 25+ Countries
- ▶ Over 13,000 Employees Worldwide
- ▶\$3.3 Billion in Revenue (FY 2023)

- Aerospace, Defense, Industrial, Medical
- Precision Control System Provider
- ► Traded on the New York Stock Exchange (MOG.A and MOG.B)
- ► People-oriented environment with emphasis on individual responsibility



OUR VALUES

Customer Focus

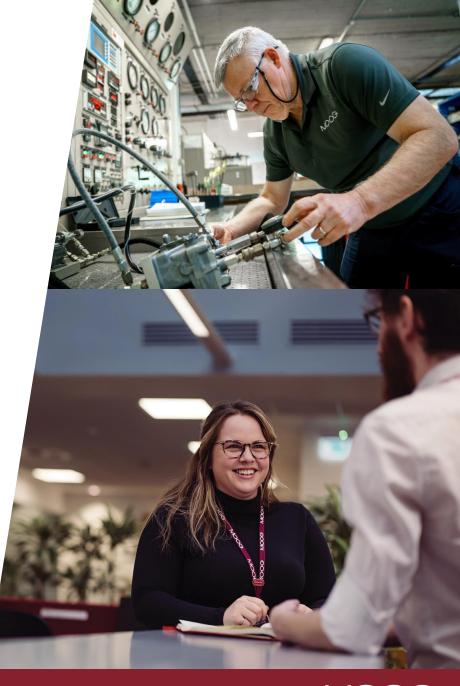
- Meeting commitments
- ► Creating significant value for our customers
- ► Enhancing Operational Performance

People, Community and Planet

- Maintaining strong culture
- ▶ Great place to work
- ▶ Good steward of our planet
- Driving Employee Engagement and Workforce Diversity
- Sustainability

Business Strength

- ▶ Long term sustainability of Moog's business
- ▶ Investment in key capabilities across business
- ▶ Business Simplification





FY 2023 REVENUE = \$3.3B

Commercial Aircraft

Commercial
Aircraft Business
Jets
Global
Support Engine
Controls Avionics

\$669M/20% of total revenue

Military Aircraft

Military Aircraft Rotorcraft Unmanned Systems Global Support Engine Controls Avionics Mission Systems

\$720M/22% of total revenue

Space and Defense

Military Vehicles Missiles Naval Platforms Air Defense Launch Vehicles Spacecraft Surveillance

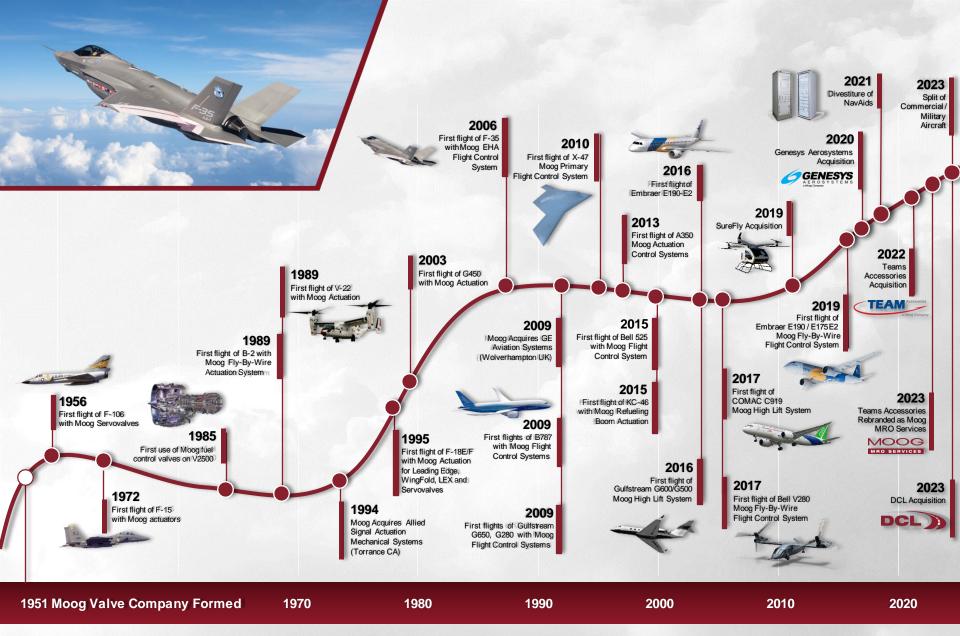
\$947M/28% of totalrevenue

Industrial

Industrial Machinery
Energy
Marine
Test and Simulation
Medical Devices

\$983M/30% of total revenue





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AIRCRAFT OFFERINGS

Integrated Flight Control Systems

▶ Military – Rotary Wing – Commercial – Business Jets

Critical Control Applications

► Engine Controls – Active Vibration Control – Weapon Bay Door Drives – Specialty Control Actuation – Wingfold Actuation

Critical Control Products

- ▶ Flight Control Computers Cockpit Controls
- Digital Airfield Solutions

Platform Integration

Qualification – Certification

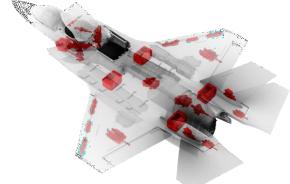
Manufacturing

▶ Global Sourcing – Worldwide Manufacturing

Aftermarket Services

- ▶ R&O Advanced Repair Technologies Public Private Partnerships
- Power By Hour







COMMERCIAL AIRCRAFT

Leader in Flight Control Systems and Critical Control Products









COMMERCIAL AIRCRAFT STRATEGY

Systems Integrator experience, customer relationships gained through supplying equipment on premier Aircraft platforms covering:

- ▶ Flight Controls, Electronics, and Software
- ▶ Primary and Secondary Actuation
- ► Hydraulic, EM and EHA Technology
- ▶ Cockpit Controls
- ▶ Design, Qualify, and Certify

Ability to provide technology-agnostic solutions to solve our customer's flight control problems.

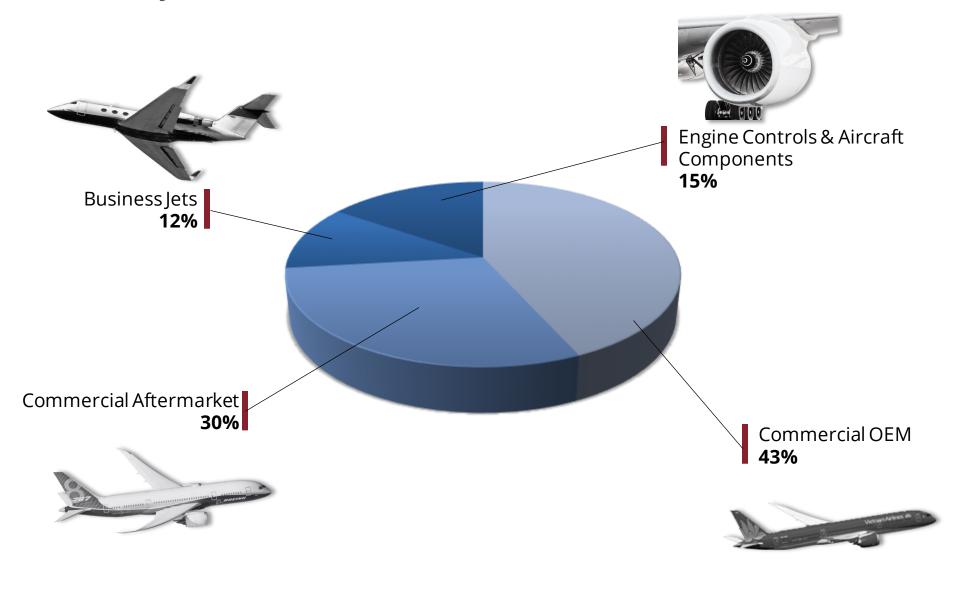






E190-E2

2023 MAJOR MARKETS SERVED



COMMERCIAL AIRCRAFT GROUP PRESENCE





















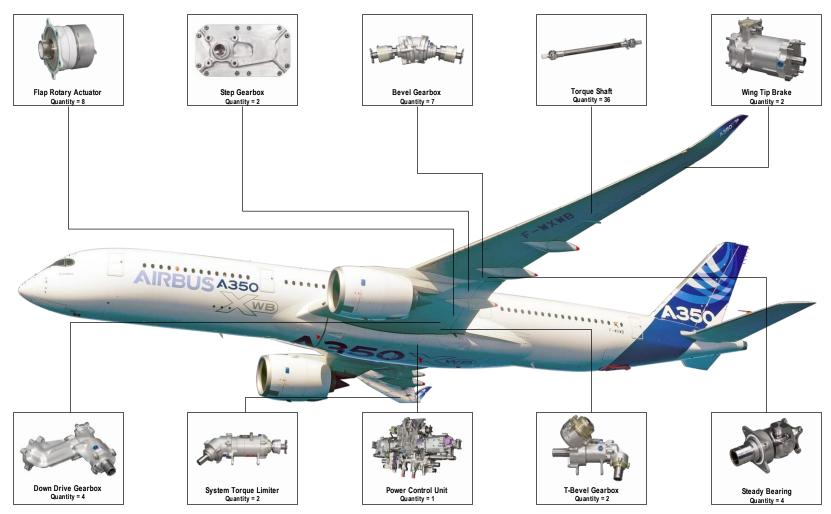


FLIGHT CONTROLS FOR COMMERCIAL AIRCRAFT



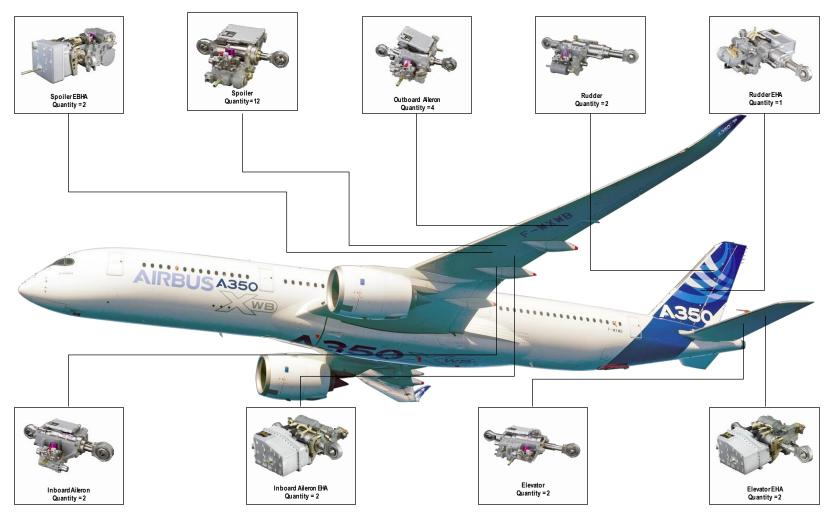
AIRBUS A350XWB HIGH LIFT ACTUATION

Trailing Edge Flap Actuation



AIRBUS A350XWB PRIMARY FLIGHT CONTROLS

Primary Flight Control Actuation



BOEING 787 PRIMARY FLIGHT CONTROLS

Complete Primary Flight Control Actuation System

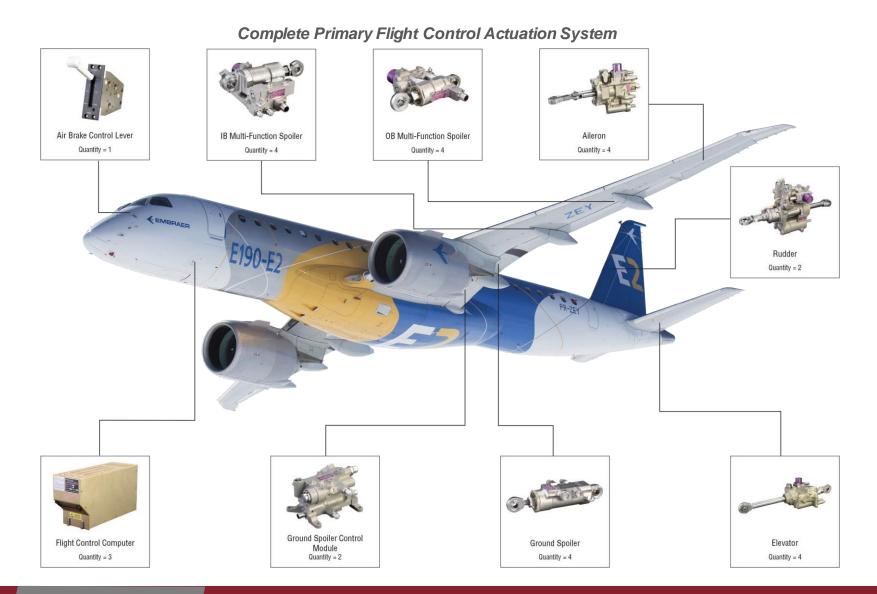


BOEING 787 HIGH LIFT ACTUATION SYSTEM

Complete Slat and Flap Actuation Systems



EMBRAER 2ND GENERATION E-JETS FLIGHT CONTROL SYSTEM



COMAC C919 HIGH LIFT SYSTEM

Leading Edge



















Common





















GULFSTREAM G280 INTEGRATED FLIGHT CONTROL SYSTEMS

Complete Primary and High Lift Flight Control Systems

Primary Flight Control System

























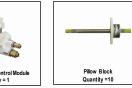


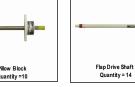


High Lift System









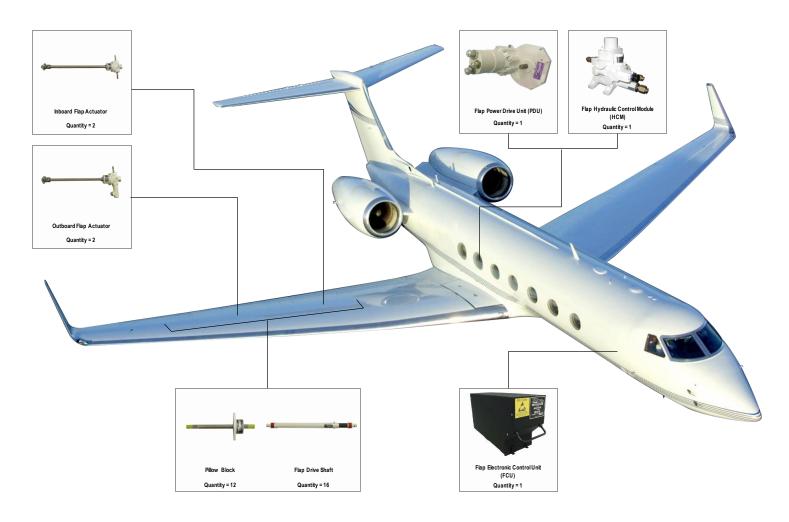






GULFSTREAM G650 HIGH LIFT ACTUATION SYSTEM

Complete Flap Actuation System





COMMERCIAL AFTERMARKET

MOOG TOTAL SUPPORT

- Integrated Flight Hour Pooling and MRO
- Commercial and Performance Guarantees
- OEM Technical Support and Training
- Reliability Focused

MOOG

MRO SERVICES

- Engine Component MRO Supporting Commercial and Cargo Aviation
- Specialization in Fuel, Oil, Hydraulic and Electrical Components
- Extensive Repair
 Development Capabilities

MOOG

ASSET SOLUTIONS

- ▶ Sale of New or Used Material
- ▶ Purchase of Customer Assets
- Exchange, Lease and Loan Options
- OEM Renowned Quality and Reliability
- Extended Warranties
- Inventory Available for Immediate Dispatch

MOOG TOTAL SUPPORT INCLUDES:

OEM Product Support

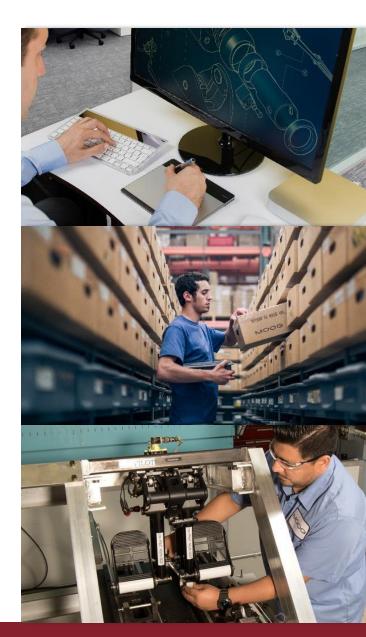
- ▶ Spares, repair and overhaul
- ► Software Support
- ▶ Parts and kits
- Logistics

OEM Modernization and Upgrades

- Upgrades
- ▶ Obsolescence management
- ► Additive manufacturing
- ▶ 3-D printing

Service and Support

- ▶ Public-Private Partnerships
- ▶ Moog Field Service Reps
- ▶ Joint venture experience
- Licensing
- ▶ Data
- Documentation



MOOG MRO SERVICES - ENGINES

Established in 1995

- ▶ Acquired by Moogin 2022
- ▶ Dublin, Ireland

MRO shop supporting commercial and cargo aviation

- Specializing in Fuel, Oil, Hydraulic, and Electrical components.
- ▶ Supporting a global customer base.
- ► FAA, EASA, CAAC, TCCA, ISO certified.







AIRCRAFT CONTROLS COMPONENTS



ACC ENGINE CONTROLS

Wide Range of Application

- ▶ Variable Geometry Controls
- ► Fuel Metering
- ▶ Thrust Vector Control
- ▶ Shut Off and Surge Control
- ► Anti-Icing Control

Products and Component Solutions

- Actuators
- ▶ Control Manifolds
- ▶ Servovalves
- ▶ Servo Actuators

Advanced Technologies

- ▶ High Temperature Component
- ▶ Electromechanical Actuation
- ▶ Distributed Control Architecture



ACC AIRCRAFT CONTROLS

Integrated Flight Control Systems

- Primary and Secondary Flight Control Systems
- ► Servovalves and Control Manifolds
- ▶ High Lift Systems
- ▶ Maneuvering Leading Edge Systems

Braking and Steering

- ► Servovalves and Control Manifolds
 - Anti-Skid Braking Manifolds
 - Nose Wheel Steering Manifolds and Actuation

Pneumatic Inflation and Utility Systems

- Control Manifolds and Actuators
 - Helicopter Emergency Floatation
 - Gun Elevation and Pneumatic Control
 - Missile Decoy System Deployment and Inflation



This document, including all enclosed slides, consists of general capabilities information that is not defined as controlled technical data under ITAR Part 120.33 or EAR Part 772.