

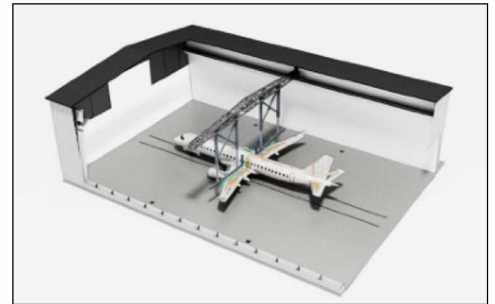
REVOLUTIONARY AIRCRAFT CLEANING TECHNOLOGY

THE WORLD'S FIRST FULLY AUTOMATED AIRCRAFT WASHING SYSTEM WITH 97% WATER RECYCLING

MULTI-SOLUTION GATE™ SYSTEM

Our touchless, automated aircraft washing system may reduce washing time from 4-6 hours down to 20 minutes while eliminating chemical usage and reducing maintenance costs.

<p>TIME SAVING 95% Vs manual washing</p>	<p>WATER RECYCLED 97% Closed-loop system</p>	<p>CHEMICALS ZERO Default operation</p>
<p>CYCLE TIME approx 20 MIN</p>	<p>VALIDATED FOR A320/B737</p>	<p>CHEMICALS >2,000 HRS</p>



TECHNICAL EXCELLENCE

AI-Powered Recognition

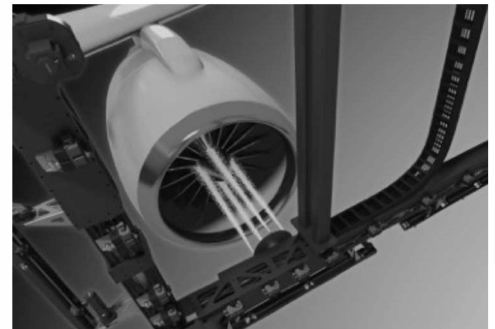
Machine learning vision system automatically identifies aircraft type and configures optimal cleaning parameters.

3-Axis Articulating Booms

Precision cleaning with 0.5m safety standoff distance, adaptive kinematics for complete coverage.

Integrated Water Management

Closed-loop reclamation with ≥97% recycling efficiency, floor-embedded V-groove trenches.



ENVIRONMENTAL COMPLIANCE

Near-Zero Discharge Operation

Closed water management system with only 3% replenishment required.



ICAO Doc 9888 Compliant

Effluent quality COD <75mg/L, below international aviation standards.

VALIDATED PERFORMANCE

Royal Saudi Air Force

Anchor contract for 4 military bases

Contract value: USD 22.5M

Skien Airport (Norway)

Operational validation facility

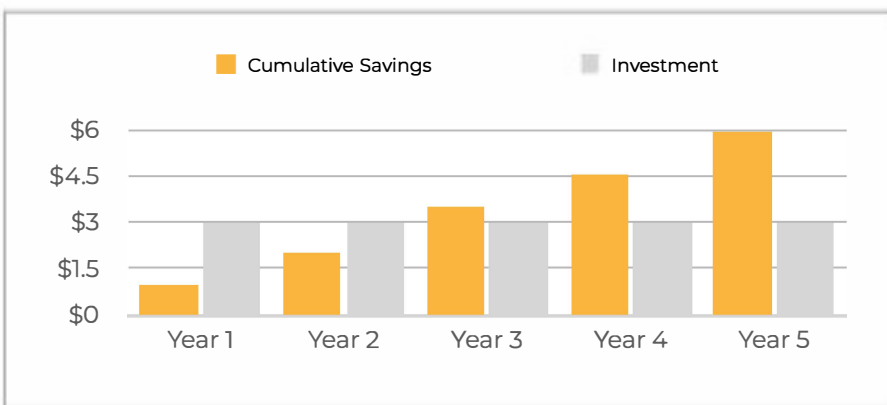
300+ successful cycles (2019-2024)



Tailored commercial solutions for airports, airlines, and MRO facilities.

<p>OUTRIGHT PURCHASE</p> <p>Turnkey ownership solution</p> <p>Complete control over operations and assets with maximum ROI potential.</p> <ul style="list-style-type: none"> ✓ 100% asset ownership ✓ One-time capital investment ✓ Optional maintenance contract 	<p>OPERATING LEASE</p> <p>3/5/7-year terms</p> <p>Flexible financing without capital expenditure commitment.</p> <ul style="list-style-type: none"> ✓ Predictable monthly costs ✓ Maintenance included ✓ Off-balance sheet financing 	<p>SALE LEASEBACK</p> <p>Capital release model</p> <p>Unlock facility value with immediate capital injection.</p> <ul style="list-style-type: none"> ✓ Immediate capital injection ✓ Continued operational control ✓ Flexible lease-back terms 	<p>REVENUE-SHARE JV</p> <p>Zero upfront investment</p> <p>Shared operational revenues and performance-based returns.</p> <ul style="list-style-type: none"> ✓ No capital required ✓ Fixed/variable fee structure ✓ Full operational support
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ROI ANALYSIS



ANNUAL SAVINGS (TYPICAL FLEET)

Labor Reduction	\$850,000
Water & Chemicals	\$195,000
Fuel Efficiency Gain	Up to 2%

FINANCIAL METRICS

Average Payback	24-36 months
5-Year IRR	28.5%
NPV (10% discount)	\$2.5M

IMPLEMENTATION

PROJECT TIMELINE (14-18 WEEKS)

Site Assessment	2-3 weeks
Infrastructure Prep	6-8 weeks
Installation	4-6 weeks
Training & Handover	2 weeks

SITE REQUIREMENTS

Dimensions	85m x 85m x 25m (min)
HVAC	+15°C to +30°C controlled
Power	400V 3-phase 150kW
Water	Potable supplv. <500 TDS
Drainage	V-groove collection

TECHNICAL SUPPORT PACKAGES

Standard

- 8-hour response time
- Remote system monitoring
- Quarterly maintenance visits

Premium

- 4-hour response time
- 24/7 advanced monitoring
- Monthly maintenance visits

Enterprise

- Dedicated on-site technician
- Predictive maintenance AI
- Guaranteed uptime SLA

Revolutionary Aircraft Cleaning Technology

Ready to Transform Your Aircraft Maintenance?

Contact MSG Aero Industries for a tailored site assessment and comprehensive business case analysis.

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