

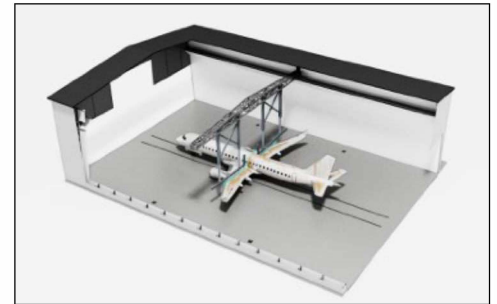
# REVOLUTIONARY AIRCRAFT CLEANING TECHNOLOGY

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

## MULTI-SOLUTION GATE™ SYSTEM

Our touchless, automated aircraft washing system reduces washing time from 4-6 hours to just 4-5 minutes while eliminating chemical usage and reducing maintenance costs.

<b>TIME SAVING</b> <b>95%</b> Vs manual washing	<b>WATER RECYCLED</b> <b>90%</b> Closed-loop system	<b>CHEMICALS</b> <b>ZERO</b> Default operation
<b>CYCLE TIME</b> <b>10-12MIN</b>	<b>VALIDATED FOR</b> <b>A320/B737</b>	<b>CHEMICALS</b> <b>&gt;2,000 HRS</b>



## TECHNICAL EXCELLENCE

### AI-Powered Recognition

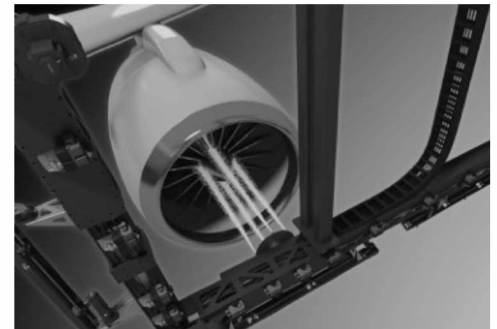
Machine learning vision system automatically identifies aircraft type and configures optimal cleaning parameters.

### 3-Axis Articulating Booms

Precision cleaning with 0.8m 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)**

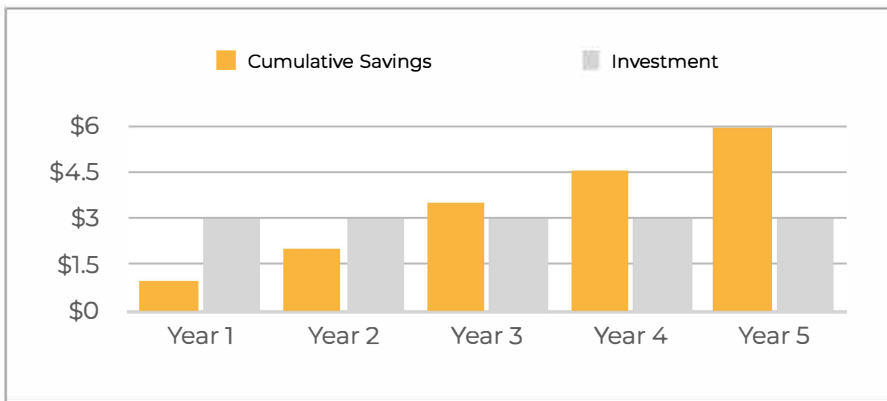


Skien Airport

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

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



**ANNUAL SAVINGS (TYPICAL FLEET)**

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

**FINANCIAL METRICS**

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

**IMPLEMENTATION**

**PROJECT TIMELINE (14-18 WEEKS)**

Site Assessment	<b>2-3 weeks</b>
Infrastructure Prep	<b>6-8 weeks</b>
Installation	<b>4-6 weeks</b>
Training & Handover	<b>2 weeks</b>

**SITE REQUIREMENTS**

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

**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.

**+47 994 29 771**  
**post@msggroup.no**

**www.msggroup.no**

