

MSG GROUP – QUESTIONS & ANSWERS

1. INTRODUCTORY QUESTIONS

Q: Who should be contacted regarding the content of this document?

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Q: When did the development start, and who are the customers today?

A: Development began around 2015 and active marketing started in January 2026. The system was awarded the EU Horizon 2020 Seal of Excellence, Europe's largest research and innovation program, and received the highest score among all applicants.

2. TECHNOLOGY & FUNCTIONALITY

Q: What can MSG system do?

A: The system performs automated aircraft exterior washing, de-sanding, engine flushing, de-icing, fuselage inspection, and washing of military vehicles and ground equipment. Fuselage inspection is in development.

Q: Is it possible to see a demonstration?

A: Yes. A full-scale demonstration installation is available at Skien Airport, Norway.. Video available via MSG: aircraftwashing.com

Q: How does the system do it?

- ✓ I-powered recognition based on machine-learning vision technology (Machine automatically identifies aircraft type (and other vehicles) and configures optimal cleaning parameters)
- ✓ Three-axis articulating booms provide precision cleaning with a 0.8 m safety standoff distance and adaptive kinematics for full aircraft coverage.
- ✓ Integrated water management with closed-loop reclamation, achieving more than 90% water recycling (expected to exceed 97%)
- ✓ Touchless Technology (No brushes. No damage)

3. COSTS & COMMERCIAL TERMS

Q: What does a complete installation cost?

A: Approximately USD 20 million, depending on configuration and size of hangar. Costs may be lower or higher depending on site conditions and scope. The delivery includes the hangar. If an existing hangar can be used, the price is much cheaper.

Q: Additional costs?

A: The customer is responsible for civil works, as well as water and power connections to airport facilities.

Q: What about service and maintenance?

A: MSG offers several support programs. The agreement includes a maintenance guarantee contract. The work is carried out by a local partner.

- ✓ Standard (8-hour response times, quarterly maintenance visits)
- ✓ Premium (4-hour response time, monthly maintenance visits)
- ✓ Enterprise (Dedicated on-site technician, Guaranteed uptime SLA)
- ✓ Tailor made agreement

4. POTENTIAL CUSTOMERS

Q: Who are the potential customers?

A: Airlines, airports, ground handling companies, MROs and infrastructure investors.

5. OPERATIONAL QUESTIONS

Q: How automated is the system?

A: The system automatically identifies the type of aircraft or equipment to be cleaned and configures optimal cleaning parameters.

Q: How many operators are needed?

A: One operator and one assistant.

Q: Aircraft types and other vehicles supported?

- ✓ Private jets
- ✓ Narrow-body (A220, A320 family, B737 family, COMAC C919)
- ✓ Wide body (A350, A330, B787, B777)
- ✓ Regional jets (Embraer ERJ, Embraer E-jet/E2) Mitsubishi SpaceJet
- ✓ Regional Turboprop (ATR 42/72, De Havilland, Dash 8 Q series)

Q: Other vehicles supported?

A: military (aircraft, helicopters, other military equipment)

- ✓ Other equipment (Performs washing and de-sanding of Ground Support Equipment such as buses and other equipment used by ground support).

Q: Inspection capabilities?

A: Under development; Inspection data can be analyzed centrally (for instance transfer inspection data to a worldwide centralized analysis location)

Q: When are the inspection capabilities ready for delivery?

A: Planned first delivery: 2026

6. CONTRACTUAL MATTERS

Q: What happens when signing an LOI?

A: Upon signing the LOI, the delivery timeline is confirmed, and the detailed business evaluation phase begins.

Q: Cost of signing LOI?

A: No cost but requires customer engagement.

Q: Installation timeline?

A: Approx. 1 year including construction, installation, approval and training.

Q: Hangar requirements?

A: Wingspan and height in meters:

Narrow body	42 - 14
Wide body	68 - 18
Military fighter	32 - 12
Military transport	50 - 16
Heavy military	62 - 18
Helicopters	28 - 10

Q: Payment terms?

A: 30% signing, 30% pre-study, 30% delivery, 10% final approval.

Q: What are the financial investment possibilities:

A:Purchase (Complete control of operations and assets with maximum ROI potential)

- ✓ Operating lease (3/5/7-year terms - Flexible financing without capital expenditure commitment)
- ✓ Sale Leaseback (capital release model)
- ✓ Revenue share JV
- ✓ MSWG can participate in the ownership of the owner company

ADVANTAGES OF THE MSG SYSTEM

Environmental benefits

Zero chemical discharge; 90% water recycling; ICAO Doc 9888 compliant (Closed-loop reclamation with > 90% recycling efficiency). Near-zero discharge operation (Closed water management with only 3% replenishment required)

Operational efficiency

Cleaning time 3–6 minutes; engine flush 20 minutes; reduces labor and downtime.

Performance improvements

Up to 2% fuel savings; reduced corrosion; extended repaint intervals. The system increases the intervals between necessary repaints, thereby reducing aircraft downtime and overall maintenance costs.

Prolongs the lifespan of the aircraft by minimizing surface damage.

Our solution is completely brushless and never in direct contact with the aircraft body.

Increases the intervals between necessary repaints.

Reducing downtime and costs.

Lowers overall maintenance costs through efficient scanning processes.

MSG is developing a solution in which the system scans the aircraft body for inspection and transmits the data for centralized review in a highly cost-efficient way.

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