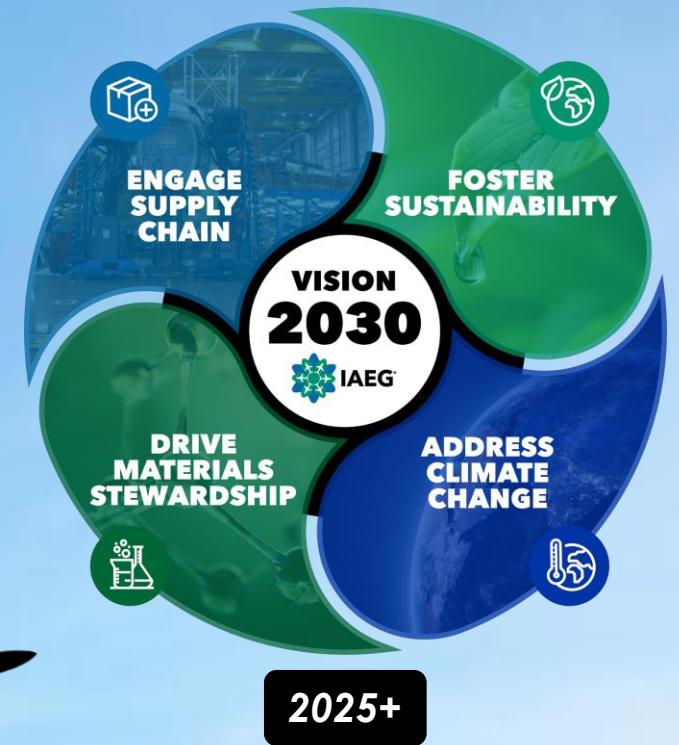


# Introduction to IAEG®

International Aerospace Environmental Group®

# HISTORY & VISION



**OUR VISION:** A Sustainable Aerospace and Defense Industry

**OUR VALUES:** CHAMPION STANDARDIZED PRACTICES | PARTNER WITH STAKEHOLDERS | ELEVATE THE IMPACT OF IAEG

*Trustful and compliant manner*

*Structured and legally secured forum*



*Executives & experts on ESG-related issues*

*Best Practices sharing, Tools & Standards Development*

**DELIVER** education, awareness and guidance for the industry

**STRENGTHEN** small and medium enterprise (SME) engagement

**GENERATE** transparency through data insight for the benefit of all

**PRIORITIZE** rapidly evolving global regulations and standards

**ACT** collaboratively to develop risk assessment tools

**ADAPT** through shared mitigation strategies



**ANTICIPATE** new reporting, social and environmental expectations

**ADVANCE** the maturity of the value chain on sustainability

**FACILITATE** industry actions to drive circular economy

**PROMOTE** activities to reduce greenhouse gas emissions

**DEVELOP** tools to report progress in a standardized manner

**ENABLE** strategies to improve value chain climate resilience

**OUR VISION:** A Sustainable Aerospace and Defense Industry

**OUR VALUES:**

**CHAMPION**  
STANDARDIZED PRACTICES

**PARTNER**  
WITH STAKEHOLDERS

**ELEVATE**  
THE IMPACT OF IAEG



# OUR MEMBERS\*

(\* As of March 24, 2022)

**76** MEMBER COMPANIES

**69%** OF GLOBAL AEROSPACE & DEFENSE INDUSTRY ARE IAEG MEMBERS

**\$640B** COMBINED ANNUAL 2024 REVENUES FOR IAEG (FULL) MEMBERS

**\$922B** TOTAL GLOBAL AEROSPACE INDUSTRY 2024 REVENUES

## Full Members (42)

Airbus  
ATR  
BAE Systems  
Boeing  
Bombardier  
CAE  
Dassault Aviation  
De Havilland Aircraft of Canada Limited  
Deutsche Aircraft  
Diehl Aviation Holding  
Eaton

Embraer  
GE Aerospace  
GKN Aerospace  
Gulfstream  
Henkel  
Hexcel Corporation  
Honeywell  
Howmet Aerospace  
Huntsman Advanced Materials  
IHI Corporation  
Israel Aerospace Industry, Ltd.

ITP Aero  
L3Harris Technologies, Inc.  
Leonardo  
Liebherr Aerospace & Transportation  
Lockheed Martin  
MBDA  
Moog Inc.  
MTU Aero Engines  
Northrop Grumman  
RTX  
Rolls-Royce

SAAB AB  
Safran  
Socomec  
Sonaca  
Spirit AeroSystems  
Syensqo  
Textron, Inc.  
Thales  
Woodward

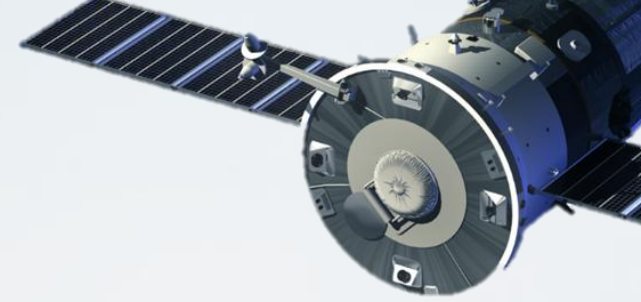
## Liaison Members (34)

AerCap Materials  
AFRA  
Airbus Canada  
Airbus Defence and Space  
Airbus Helicopters  
ANSYS UK Limited  
Assent Inc.  
BSI Group  
Capgemini  
Constellium  
Daher

Dassault Systems Enovia Corp  
Deloitte  
DuPont  
DXC Technology  
eCube  
Explo  
GIFAS  
Haley & Aldrich, Inc.  
Hangsterfer's Laboratories, Inc.  
Noblis  
PTC Inc.

Ramboll Environment & Health  
Risk & Policy Analysts Ltd  
SAFECHM Europe GmbH  
Scalian  
SLR Consulting, Ltd.  
Sopra Steria  
Source Intelligence  
Tarmac Aerosave  
Toray Advanced Composites  
Trio  
Yordas Group  
3M Deutschland GmbH

# GOVERNANCE



## BOARD OF DIRECTORS

## EXECUTIVE COMMITTEE



**Christopher LINES**  
LEONARDO  
*Chair*



**David GRAEBER**  
BOEING  
*Vice-Chair*



**Matt PAYNE**  
ROLLS ROYCE  
*COO*



**Kathleen OLDHAM**  
BELL FLIGHT  
*Comms. Officer*



**Heather DANIELS**  
LOCKHEED MARTIN  
*Treasurer*



**Mónica GALISTEO PUYUELO**  
HOWMET  
*Secretary*



**Andreas HERMANN**  
AIRBUS



**Deborah ALLEN**  
BAE SYSTEMS



**Paul MICHAUD**  
BOMBARDIER



**Hélène V. GAGNON**  
CAE



**Sarah VONACH**  
DASSAULT AVIATION



**Heinz HUESMANN**  
EATON



**Andre LUIZ TACHARD**  
EMBRAER



**Geraldine BARNUEVO**  
GE AEROSPACE



**Brodie DAVIS**  
NORTHROP GRUMMAN



**Annette MCNEELY**  
RTX



**Solenn MADEC**  
SOCOMORE



**Nathalie STUBLER**  
SAFRAN



**Caroline GIBON**  
THALES



**Costa TRIANTAFYLLIDIS**  
L3 HARRIS TECHNOLOGIES

**COMMITTEES** FINANCE – COMMUNICATION – COMPLIANCE – STRATEGIC PLANNING – NOMINATING - TECHNICAL INTEGRATION - PROGRAM PLANNING

**LEGAL COUNSEL**

*Webster, Chamberlain & Bean*

**EXECUTIVE DIRECTOR & PROGRAM MANAGER**

*Aelyans*

**ADMINISTRATIVE SUPPORT**

*SAE International*

# WORK GROUPS



		<u>Leadership</u>
Materials and Substance Declaration	WG 1	M. Pietros   <i>GE Aerospace</i> L. Reinbold   <i>RTX</i>
Replacement Technologies	WG 2	M. McElvaine   <i>Boeing</i> O. Byrne   <i>Boeing</i>
Greenhouse Gas Management & Reporting	WG 3	L. Ren   <i>RTX</i> C. Esbester   <i>BAE Systems</i>
Glossary	WG 4	J. Rollier   <i>CAE</i> D. Labadie   <i>Aelyans</i>
REACH Authorization & Restriction	WG 5	J. McCarthy   <i>Leonardo</i> M. Molongoski   <i>RTX</i> A. Kulkarni   <i>Boeing</i>
ISO 14001 & Environmental Management System Implementation	WG 7	C. Kloehn   <i>Airbus</i> D. Lerch   <i>Haley &amp; Aldrich</i>
Emerging Regulations	WG 9	L. Brown   <i>Lockheed Martin</i>
Aerospace Industry ESG Engagement	WG 11	M. Walker   <i>Airbus</i> A. Rubinsky   <i>Lockheed Martin</i>
Life Cycle Assessment	WG 12	A. Garcia Garriga   <i>Collins Aerospace</i> O. Grellou   <i>Airbus</i>
100% Paraffinic SAF Aerospace Compatibility Collaboration	WG 13	B. Griffin   <i>Boeing</i> J. Williams   <i>Airbus</i>
Circular Economy	WG 14	C. Datz   <i>Boeing</i> M. Proul   <i>Eaton</i>

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**WG 4** GLOSSARY

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- Promote alignment with industry terminology to strengthen harmonization across the sector.
  - Develop and maintain a standardized glossary to ensure coherence and consistency across all IAEG Work Groups and governance documents.
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**ADDRESS**  
**CLIMATE CHANGE**

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**WG 3** GREENHOUSE  
GAS  
MANAGEMENT  
& REPORTING

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- Efficient GHG Scope 1, 2 & 3 reporting supports industry credibility.
  - Support industry wide collaboration on good practice sharing.
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**WG 13** 100% PARAFFINIC,  
SAF AEROSPACE  
COMPATIBILITY  
COLLABORATION

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- Conduct Industry-wide collaboration for 100% (paraffinic) SAF compatibility assessment, gap analysis, knowledge sharing and building.
  - Provide a vision on 100% SAF roadmap from OEM perspective to other SAF stakeholders, for voluntary and unilateral consideration and use.
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**WG 1** **MATERIALS &  
SUBSTANCES  
DECLARATION**

- Industry experts collaborate to determine relevant data elements.
- Maintenance of Aerospace and Defense Declarable Substance List (AD-DSL), incorporating the latest regulatory updates.

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**WG 2** **REPLACEMENT  
TECHNOLOGIES**

- Collaboration by industry experts to jointly develop qualified material substitutions.
- Cost sharing and common industry solutions developed for voluntary unilateral consideration and use.

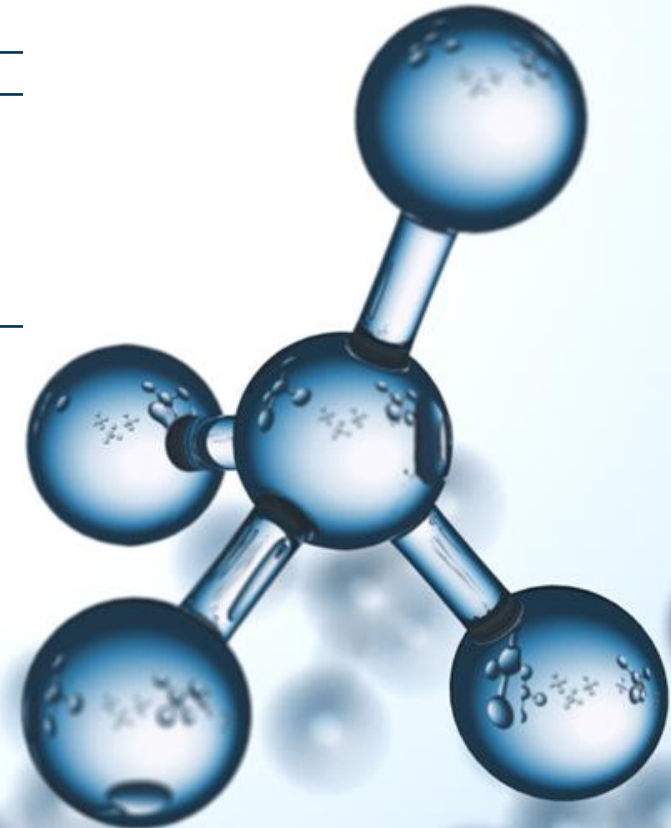
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**WG 5** **REACH  
AUTHORIZATION  
& RESTRICTION**

- Industry collaboration to determine material obsolescence risks due to EU and/or UK REACH regulations.
- Input to formation of cost-sharing A&D consortia for creation of applications for authorization.

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**DRIVE MATERIALS  
STEWARDSHIP**



## WG 9 EMERGING REGULATIONS

- Maintain a list of global chemical, environmental, social, and governance regulations, policies and standards.
- Provide updates on global emerging regulations in 50 prioritized countries and develop regulatory alerts

## WG 11 AEROSPACE INDUSTRY ESG ENGAGEMENT

- Establish ESG assessment that includes risk-based validation of assessment results, for voluntary and unilateral consideration and use by Aerospace companies.
- Driving continuous improvement of Aerospace industry ESG performance through awareness campaigns

## WG 12 LIFE CYCLE ASSESSMENT

- Measure environmental impacts of products and services, reducing variation in the process.
- Support environmental priorities for aerospace, improves process consistency and stakeholder confidence.

## WG 14 CIRCULAR ECONOMY

- Establish the circular economy priorities for the industry and assess how regulations impact the sector.
- Consolidate and improve existing practices for aircraft End-of-Life management.
- Define calculation methodologies in line with existing circularity metrics or reporting standards.

# FOSTER SUSTAINABILITY & ENGAGE SUPPLY CHAIN

# MEMBERSHIP

## 2026 Membership fees

**1** Principally engaged in carrying out design, manufacture or support of civilian or military aerospace original equipment, systems, or structures of aircraft, rotorcraft, satellites and/or space exploration vehicles;

**2** Major Supplier earning at least \$100 million in annual revenues as a supplier to Aerospace Companies; or

**3** Supplier, regardless of the total revenue, having at least 80% of its annual revenue from Aerospace Companies.

### Full Member

If at least one of the above criteria applies, and the applicant is NOT a subsidiary of a company already a Full Member of IAEG

> \$10B average annual revenue (for the last 3 years, based on exchange rates December 31st)	<b>\$29,349</b>
< \$10B average annual revenue (for the last 3 years, based on exchange rates December 31st)	<b>\$22,012</b>

### Liaison Member

If neither of the above bullets apply or applicant is a subsidiary of a company already a Full Member of IAEG

Companies: >50 employees, >10 M€ annual turnover and >10 M€ balance sheet Trade associations: >250 members and >2M€ annual budget	<b>\$7,338</b>
Companies: <50 employees, <10 M€ annual turnover or <10 M€ balance sheet Trade associations: <250 members or <2M€ annual budget	<b>\$3,669</b>

**IAEG COMPLIANCE  
TRAINING**

*Semi-monthly*

*Remote*

*For new member company  
representatives*

**WORK GROUPS**

*Weekly or Monthly*

*Remote*

*Develop IAEG deliverables for  
voluntary use*

**ALL MEMBERS  
PROGRESS REVIEW**

*Monthly*

*Remote*

*Update on progress and  
inform the community*

**COMMITTEES**

*Monthly or Quarterly*

*Remote*

*Ensure the animation and  
operation of the association*

**BOARD**

*Quarterly*

*Remote and In-person*

*Governance, Decisions and  
Validation of Deliverables*

**FACE TO FACE MEETINGS**

*Spring and Fall*

*In-person 5 days*

- *Work Groups: 3 days*
- *Board and Committee meetings*
- *Best Practice Sessions*
- *External speakers (Plenary Session)*

# MEETINGS AND WAY OF WORKING

Face to Face meeting in Montreal, Canada, in April 2025  
Plenary session hosted by the ICAO  
250 Attendees





**IAEG**<sup>®</sup>

INTERNATIONAL AEROSPACE  
ENVIRONMENTAL GROUP

## SPRING F2F MEETING

April 20 – 24

*Seattle, WA (USA)*



[questions@iaeg.com](mailto:questions@iaeg.com)



[iaeg.com](http://iaeg.com)

**LET'S CONNECT**



“

*IAEG members are united in tackling the environmental challenges facing our industry. Through strong collaboration, IAEG is advancing its vision for a sustainable aerospace and defence sector via dedicated working groups focused on climate action, promoting sustainability, materials stewardship, and supply chain engagement.*

*-- Christopher Lines | IAEG Chairman*





**IAEG<sup>®</sup>**

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ENVIRONMENTAL GROUP<sup>®</sup>