Introduction to IAEG®

International Aerospace Environmental Group®

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WHAT IS IAEG?

Structured and legally secured forum

Trustful and compliant manner

Executives & experts on ESG-related issues

Non-Profit Organization

Best Practices Sharing & Standards Development

Environment

ESG

IAEG Vision

2011

2021

2025

Founding Companies:

- Rolls-Royce
- Bombardier
- Airbus
- Safran
- Northrop Grumman
- Boeing
- Raytheon Technologies
LEADING EDGE SOLUTIONS ACROSS THE VALUE CHAIN

CUMULATIVE ANNUAL 2022 REVENUES FOR IAEG (FULL) MEMBERS

57 MEMBER COMPANIES

70% OF GLOBAL AEROSPACE & DEFENSE INDUSTRY ARE IAEG MEMBERS

$518B COMBINED ANNUAL 2022 REVENUES FOR IAEG (FULL) MEMBERS

$740B TOTAL GLOBAL AEROSPACE INDUSTRY 2022 REVENUES

IAEG Full Members

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

IAEG Liaison Members

- Aero Montreal
- Airbus Canada
- AirbusDefence and Space
- AirbusHelicopters
- ANSYS UK Limited
- Assent Inc.
- BSI Group
- Cappemimi
- Dassault Systems Enovia Corp
- DXC Technology
- Haley & Aldrich

- GE Aerospace
- General Atomics
- GKN Aerospace
- Gulfstream
- Henkel
- Hexcel Corporation
- Honda Aircraft Company, LLC
- Honeywell
- Howmet Aerospace
- Huntsman Advanced Materials
- Israel Aerospace Industry, Ltd.
- L3Harris Technologies, Inc.
- Leonardo UK Ltd.
- Lockheed Martin
- MTU Aero Engines
- Northrop Grumman
- Ontic
- Praxair Surface Technologies, a Linde Company
- Rolls-Royce
- SAAB AB
- SAFRAN
- Socomore
- Spirit AeroSystems
- Textron, Inc.
- Thales

IAEG Vision 2025

A RECOGNIZED GLOBAL BODY FOR AEROSPACE & DEFENSE

RESPONSIBLE & SUSTAINABLE AEROSPACE INDUSTRY

OF GLOBAL AEROSPACE & DEFENSE INDUSTRY ARE IAEG MEMBERS
More than 500 people share best practices, standards & innovative solutions
BOARD OF DIRECTORS | EXECUTIVE COMMITTEE

Bruno COSTES
AIRBUS
Chair

David GRAEBER
BOEING
Vice-Chair

Sandra GRIDLEY
RTX
SPC Lead

Matt PAYNE
ROLLS ROYCE
COO

Kathleen OLDHAM
BELL FLIGHT
Com. Officer

Heather DANIELS
LOCKHEED MARTIN
Treasurer

Mónica GALISTEO PUYUELO
HOWMET
Secretary

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AIRBUS

Deborah ALLEN
BAE SYSTEMS

Ryan FAUCETT
BOEING

Paul MICHAUD
BOMBARDIER

Sean JOHNSON
BOMBARDIER

Hélène V. GAGNON
CAE

Sarah VONACH
DASSAULT AVIATION

Fabienne FAURRE
DASSAULT AVIATION

Andre LUIZ TACHARD
EMBRAER

Venancio NETO
EMBRAER

Geraldine BARNUEVO
GE AEROSPACE

Rachel BECKER
GE AEROSPACE

Christopher LINES
LEONARDO

Costa TRIANTAFYLLIDIS
L3 HARRIS TECHNOLOGIES

Brodie DAVIS
NORTHROP GRUMMAN

Stanley MERRITT
NORTHROP GRUMMAN

Sally GESTAUTAS
RTX

Ian BENTLEY
ROLLS-ROYCE

Nathalie STUBLER
SAFRAN

Caroline GIBON
THALES
WHY JOIN IAEG…?
... TO TACKLE CLIMATE CHANGE (WG3 & WG13)

- Scope 1 & Scope 2
- Scope 3
  - Cat 1 – Purchased Goods & Services
  - Cat 11 – Use of Sold Products
- Use of Sold Products - Military
- Science-Based Targeting
- Space Applications
- Assess compatibility with a focus on “non-drop-in” SAF
- Determine gaps in industry infrastructure readiness to support “non-drop-in” SAF
- Monitor and engage on current efforts to approve the new standard for 100% synthetic “drop-in” SAF

Have a voice in promoting the development of voluntary consensus standards addressing environmental concerns
WHY JOIN IAEG…?

... TO CHAMPION CHEMICAL STEWARDSHIP

- Declarable Substances list (AD-DSL)
- Materials and Substances Declaration (IPC 1754 - ISO 82474)
- Associated Training Material
- R&D collaboration to replace hazardous substances
- Cadmium Plating Replacement, Bonding Primers
- Evaluate Risk for Supply Chain Disruption due to ever evolving REACH Regulations (eg: BPA, PFAS...)
- Establish common folders
- Monitoring Emerging Environmental Regulations across 50 Countries
- Regulatory Alerts
- Monthly Newsletters

Participate in a forum for dialog on industry optional approaches for implementation of environmental requirements
WHY JOIN IAEG…?

... TO FOSTER SUSTAINABILITY AND ENGAGE SUPPLY CHAIN

**ISO 14001 and EMS Application (WG7)**
- ISO 14001: 2015 Implementation Guide
- Multi-Leveled EMS Maturity Framework Based in ISO 14001 for SMEs Suppliers
- Implementation guides

**Aerospace Industry ESG Engagement (WG11)**
- Contract with EcoVadis as a Voluntary Reusable ESG Protocol
- Possible discounts for IAEG members
- Score Cards for Customers, Suppliers and Industry
- Industry Effort to Educate and Improve the Global Aerospace Supply Chain on ESG topics
- ESG Global Sectoral assessments

**Life Cycle Assessment (WG12)**
- Inform design choices & Accelerate WayPoint 2050
- Support EPD & align with emerging regulations
- Build consistency & stakeholder confidence

**Circular Economy (WG14)**
- Establish industry priorities and identify regulation landscape
- Define calculation methodologies and standards needs
- End-of life management best practice sharing and marketplace development

**And more…**
- **ESG Global Sectoral assessments**
- **Inform design choices & Accelerate WayPoint 2050**
- **Support EPD & align with emerging regulations**
- **Build consistency & stakeholder confidence**
- **Establish industry priorities and identify regulation landscape**
- **Define calculation methodologies and standards needs**
- **End-of life management best practice sharing and marketplace development**
MEMBERSHIP ELIGIBILITY DETERMINATION

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.

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<tr>
<th>IAEG® Full Member</th>
<th>2024 Annual Membership Fees</th>
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<td>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®</td>
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<td>• &gt; $10B average annual revenue (for the last 3 years, based on exchange rates December 31st)</td>
<td>$26,650</td>
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<tr>
<td>• &lt; $10B average annual revenue (for the last 3 years, based on exchange rates December 31st)</td>
<td>$19,965</td>
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<th>IAEG® Liaison Member</th>
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<td>If neither of the above bullets apply or applicant is a subsidiary of a company already a Full Member of IAEG®</td>
<td>$6,655</td>
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MEETINGS AND WAY OF WORKING

- IAEG Overview and Compliance Training (Semi-monthly for new member company representatives)
- Work Groups (Weekly or Monthly / Remote)
- All-Members Progress Review (Monthly / Remote)
- Executive Committee (Monthly / Remote)
- Board (Quarterly / Remote)

Spring and Fall Face-to-Face (4 Days each)
- Work Groups – 3 days intensive collaboration
- Best Practices Sessions
- Plenary Session – 1 day with external speakers
- Board and Committee meetings

Last F2F meeting
LONDON - UK
2-6/10/2023

Next F2F meeting
DALLAS - USA
8-12/04/2024
SAVE THE DATE | SPRING F2F MEETING
April 8-12 2024 Dallas
Dallas Sheraton Hotel

For more information, please see IAEG website: https://www.iaeg.com/

OR CONTACT
Steve Crumb – Executive Director
scrumb@iaeg.com
The world as we know it today is changing rapidly. The decarbonization and digitalization of our sector may induce deep changes to our production methods, in our habits and in our mobility in the future. Many member companies are investing to reduce the environmental impact of industry activities and of products throughout their life cycle. We therefore believe, more than ever, in a sustainable aviation and space industry that is both clean and carbon-neutral. Today we are counting on you, even more than before, to be pioneers of sustainable aviation for a safe and united world.

-- Bruno COSTES | Chairman