IAEG
INTERNATIONAL AEROSPACE ENVIRONMENTAL GROUP

2024
YEAR-END REPORT

FUELING OUR GROWTH

SUSTAINABLE AVIATION FUEL (SAF)

UP TO 80% reduction in carbon emissions over lifecycle of traditional fuels for currently produced SAFs with potential for even further reductions in the future—just one of the areas IAEG is focusing on advancing the maturity of the value chain on sustainability.

It is time to dispel doubts.

Global surface temperatures have risen by 1.5°C above pre-industrial levels, underscoring the urgency of the Paris Agreement's goal and to limit warming to well below 2°C. At the same time, compliance obligations to address human rights risks within supply chains have intensified. The challenges posed by climate change, resource depletion, biodiversity loss, human rights violations, and the emergence of regulated sustainability reporting are no longer theoretical; they are urgent realities we face today. Together, we must address these interconnected issues by developing more energy efficient, less emissive, more circular and more sustainable practices, products and solutions across the Aerospace and Defense value chain, fostering voluntary adoption and meaningful impact.

The IAEG year 2024 has been marked by significant progress of its established working groups as well as by the expansion of its scope to address growing issues such as the circular economy, life cycle analysis and 100% sustainable aviation fuels. Through this momentum, IAEG has seen effective synergies emerge between traditional areas and new initiatives.

IAEG has now reached a critical point in its lifecycle, experiencing significant growth and entering a new era of governance maturity as we move toward a brand-new Vision 2030. Several initiatives to streamline and improve the effectiveness of its governance and operations have been launched. These include the rightsizing of the Board of Directors, a thorough review of leadership roles and responsibilities, and clarification of membership categories ***(see detail on following page).***

These efforts are essential to ensure that working groups can operate under optimal conditions and that IAEG's core mission remains focused on solving today's challenges while shaping a more sustainable future for the aerospace and defense industry.

This year's success is clearly a testament to the power of IAEG's development of tools and resources for voluntary and unilateral consideration and use. I thank all IAEG members for their invaluable contributions and look forward to celebrating the next chapter of our shared journey together.

Dr. Bruno COSTES | BOARD CHAIR | IAEG

Evolution of IAEG Governance: Adapting to growth and change

When the IAEG was created in 2011, given the limited number of members, its activities relied primarily on significant in-kind and financial contributions from the founding members (Strategy, Operations, Execution, and Deliverables). After an initial introduction period, IAEG gradually expanded, and IAEG began utilizing specially appointed contractors to support administration and work group management while the IAEG Board of Directors retained ultimate responsibility for control over Strategy and Delivery. The post-COVID period has seen rapid growth in the number of member companies, the budget, and the range of topics addressed.

The circumstances surrounding the creation of IAEG have evolved, making it necessary to adapt its governance to support this transformation. In 2024, several task forces composed of member company representatives were launched, leading to significant changes that were approved by the Board:

Starting in 2026, the Board size will be reduced to 21 Directors by eliminating the second Board seat previously allocated for appointment by each of the founding members.

Additionally, a Nominating Committee has been established, with a gradual implementation planned for 2025. This committee will consist of experienced IAEG member participants with in-depth knowledge of the association's operations, initiatives, and strategic programs. Acting as an advisory body, it will be responsible for making recommendations regarding at-large candidates for the Board of Directors.

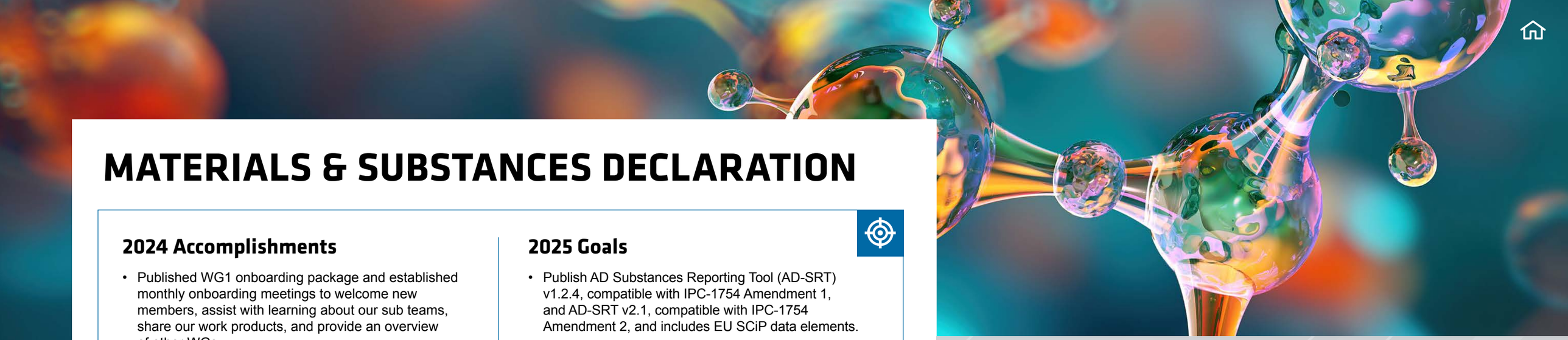
Membership rules have also been clarified to facilitate access for smaller companies and trade associations, ensuring broader industry participation.

Finally, efforts have been initiated to clarify roles and responsibilities for officers and committees, bringing officer role definitions into alignment with our current way of working, as opposed to the introductory period of IAEG. Additionally, processes are being streamlined to improve the efficiency of execution for officers, committees, and contractors.

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.



MATERIALS & SUBSTANCES DECLARATION

2024 Accomplishments

- Published WG1 onboarding package and established monthly onboarding meetings to welcome new members, assist with learning about our sub teams, share our work products, and provide an overview of other WGs.
- Developed a list of per- and polyfluorinated alkyl substances (PFAS) as “PFAS list” (IAEG-PL) that focuses on those PFAS identified to be in active use in the AD industry and thus may be present in industry products or the materials required to maintain, repair, or overhaul those products. This new may be used in substance declarations to support AD company efforts to identify PFAS dependencies in their supply chains.
- Published AD Declarable Substance List (AD-DSL) v8.0 which, included additional substances based on IAEG member annual screening of regulated substances.
- Strategized and overhauled the Materials and Substances Declaration Development document that provides valuable information on creating accurate declarations in the AD industry and beyond.
- Continued to collaborate as a liaison member of the IEC TC111 / ISO TC207 Joint Working Group 16 with the development of the IEC/ISO/ 82474 Standard.
- Continued to collaborate with IPC 2-18 committees, developing and updating material declaration software standards, including product material and process chemical declaration standards.

2025 Goals

- Publish AD Substances Reporting Tool (AD-SRT) v1.2.4, compatible with IPC-1754 Amendment 1, and AD-SRT v2.1, compatible with IPC-1754 Amendment 2, and includes EU SCiP data elements.
- Publish AD-SRT Maintenance Procedure to maintain the change management of the AD-SRT tool.
- Update Materials and Substances Declaration Contract Terms: We will continue to help IAEG member companies through education about model contract language, for voluntary and unilateral consideration and use (the use of this work product is at the discretion of the IAEG member companies).
- Publish and update Materials and Substances Declaration Process Considerations: This document identifies and discusses some key issues to consider related to executing product-related materials and substances declarations in the AD industry.
- Publish and update AD Declarable Substance List (AD-DSL) v9.0, PFAS list (IAEG-PL) v2.0, and AD Substances Reporting Tool (AD-SRT) V1.2.5 and v2.2.
- Support continued development and publication of IPC-175x and IEC/ISO 82474 material declaration standards.
- Publish and update Materials and Substances Declaration Development Document v3.0.

2025 Vision Alignment(s)

1 Created and maintained the Aerospace & Defense Declarable Substances List (AD-DSL), which addresses dependencies and serves as a common supplier substance reporting list within the AD industry. Established and maintained the PFAS list (IAEG-PL) that focuses on those identified to be in active use and may be presented in the AD industry products or the materials required to maintain, repair, or overhaul those products.

2 Designed and maintained tools (Aerospace & Defense Substance Reporting Tool [AD-SRT] and associated trainings) to support and be compatible with industry reporting standards.

3 Developed and maintained Materials and Substances Declaration Development document which helps companies and original equipment manufacturers (OEMs) understand the requirements and nuances of reporting substance content within their products. This document can be leveraged universally beyond the AD industry.

WORK GROUP 1

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.

REPLACEMENT TECHNOLOGIES

2024 Accomplishments

- Completed Prioritization Voting, an annual activity to focus WG2 activities. Undertook actions addressing the top 7 substance/use combinations in the voting results, including hosting 7 presentations to understand material formulators' approaches for products containing D4/D5/D6[1] and terphenyl, hydrogenated.
- Published a major revision of the Project Management Framework, documenting processes for WG2 projects to run efficiently.
- Presented an overview of WG2 to SAE Standards Committee members to set the stage for future collaboration between the organizations.

WG2 had five active projects throughout 2024: One focusing on alternatives to cadmium plating, and four seeking alternatives to materials containing hexavalent chromium.

- Two teams defined new Statement of Work to extend the projects:
  - Fuel Tank Coatings kicked off Phase II in May.
  - Conversion Coatings sent the new SOW for signature in October.
- Four projects made progress on evaluating alternatives:
  - Bond Primer – received test data from one of three suppliers engaged with the project.
  - Corrosion Inhibiting Primer, Fuel Tank Coatings, and Cadmium Plating projects each finalized test plans to be used in future testing.
- Cadmium Plating project published 'Public Report on Compatibility Performance Testing of Connectors."

2025 Goals

	WG2	Cadmium Plating	Conversion Coating	Fuel Tank Coating	Bond Primer	Corrosion Inhibiting Primer
Engage with Suppliers and Industry Standards Bodies	✓	✓	✓		✓	
Define Test Plan for Evaluating Alternatives			✓			
Perform Testing on Alternative Materials		✓		✓		✓
Publish Project Report or Requirements Document				✓	✓	✓

2025 Vision Alignment(s)

1 Published 21 project reports summarizing the outlook on available alternative products/processes, minimum performance requirements for alternative materials, and/or test data produced during evaluation of alternatives, five of which are available publicly on the IAEG WG2 website.

2 Collaborated with SAE to draft and publish AMS2461, 'Plating, Zinc-Nickel Alloy (12 to 16% Ni),' and plan to assist with development and/or revision of additional industry specifications.

3 Engaged with dozens of material formulators, addressing hexavalent chromium, D4/D5/D6, hydrogenated terphenyl, BPA, halogenated solvents, PFAS, etc. Presentations open to WG2 have allowed exchange of the aerospace industry's needs and the formulators' actions in response to chemical regulations. Project team collaborations with these suppliers, under NDAs, have enabled sharing data on formulators' products.

[1]octamethylcyclotetrasiloxane (D4), decamethylcyclopentasiloxane (D5) and dodecamethylcyclohexasiloxane (D6)

GREENHOUSE GAS MANAGEMENT & REPORTING

Efficient GHG Scope 1, 2 & 3 reporting supports industry credibility.

Support industry wide collaboration on good practice sharing.

GREENHOUSE GAS MANAGEMENT & REPORTING

2024 Accomplishments

- Published updated Scope 3 Category 11 ‘Use of Sold Products’ (USP) Guidance incorporating calculations for military aviation products into the original commercial aviation guidance.
- Conducted Purchased Goods and Services (PGS)/ Capital Goods (CG) tool member uptake and tool feedback survey as input to incremental minor updates and the next major update, V3.
- Released Science Based Targets (SBT) best practice white paper for sharing among IAEG members.
- Completed two minor updates to PGS/CG tool.

2025 Goals

- **PGS/CG** – Execute major tool update and publication.
- **USP Commercial** – Further develop calculation tool, conduct testing and publish.
- **USP Military** – collaborate with USP Commercial, potentially incorporating military calculations into the tool, and explore opportunities to evolve into a standalone military guidance should new specific topics arise.
- **USP Space** – Evolve from a whitepaper to a published guidance.
- **SBT** – Publish second whitepaper on SBT Knowledge Sharing.
- **SBT** – investigate potential to collaborate with other industry groups and to engage on SBT standard setting with SBTi and/or other recognized standards bodies regarding sectoral guidance.

2025 Vision Alignment(s)

1 Published an industry tool to calculate GHG emissions associated with Purchased Goods and Services. This aligns with the IAEG vision 2025 to develop tools to report progress in support of the ‘tackle climate change’ pillar.

2 Published industry guidance for reporting GHG emissions across scopes 1, 2, as well as scope 3 category 11. This aligns with the IAEG vision 2025 to facilitate common approaches and share effective practices in support of the ‘tackle climate change’ pillar.

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 authorisation.

REACH AUTHORIZATION & RESTRICTION

WG5's aim is to regularly assess substances that may be subjected to EU/ UK REACH Authorisation, and Restriction and identify those in use in the aerospace & defense industry that may require additional action to assure business continuity. WG5's main focus is on obsolescence forecasting.

2024 Accomplishments

- Revised Bisphenol A (BPA) and Bisphenols of similar concern (BoSC) White Paper on A&D understanding of uses.
- Completed mapping of PFAS containing articles and formulations, including preliminary use mapping under the context of REACH Restriction.
- Intelligence gathered on EU REACH Reform and UK REACH Divergence.
- WG5 SVHC and Restriction Matrix utilized to prioritize substances at risk of coming under regulatory driven obsolescence.
- PFAS White Paper Published.

2025 Goals

- Monitor the ongoing EU REACH Revision and UK REACH Divergence to ensure that WG5 activities are flexible, relevant and valuable to members.
- Anticipate Aerospace and Defense dependence on substances likely to come under REACH Restriction well in advance of regulatory activity.
- Develop methodologies for complex supply chain mapping reports based on established priorities, including:
  - Aromatic Brominated Flame Retardants.
  - 1, 4 Dioxane.

2025 Vision Alignment(s)

1. Developed and maintained Substance of Very High Concern (SVHC) and Restriction matrix identifying substances controlled under EU and UK REACH and associated impacts and limitations for use.
2. Executed supply chain mapping on priority substances to allow for companies to assess risk by anticipating and responding to shared materials obsolescence.
3. Issued technical papers for education and awareness of IAEG members and their suppliers.

WORK GROUP 5

ISO 14001 & ENVIRONMENTAL MANAGEMENT SYSTEM (EMS) IMPLEMENTATION

Provides sectorial guidance on ISO 14001 Implementation.

Risk-based Maturity Framework developed for implementation of a suitable EMS for small- and medium-sized companies, based on ISO 14001.

ISO 14001 & ENVIRONMENTAL MANAGEMENT SYSTEM (EMS) IMPLEMENTATION

2024 Accomplishments

- Implemented EMS Maturity Framework knowledge test solution and made available on the website.
- Promoted availability of model and knowledge test to IAEG members and their value chain.
- Collaborated with EcoVadis and WG11 on a dashboard to understand the current maturity level of companies.
- Feasibility study completed to track maturity level registrations.

2025 Goals

- Update Workgroup Charter for future objectives and restructure activities to support priorities.
- Continue to promote the Environmental Management System (EMS).
- Develop and implement a maturity level registration tracking method.

2025 Vision Alignment(s)

1 Developed the IAEG Environmental Management System (EMS) Maturity Framework and supporting tools and resources. This will encourage the wider uptake of EMS at an appropriate level based on supplier size and environmental risk in a cost effective, consistent and supportive manner.

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.

Develop regulatory alerts for member companies and their supply chain.

EMERGING REGULATIONS

WG9 is committed to developing an approach to help the Aerospace and Defense industry evaluate emerging global environmental and chemical regulations and their impact on compliance and potential operational risk for companies and their supply chain.

2024 Accomplishments

ISSUED:

1 Fact Sheet **8** Regulatory Alerts **12** Newsletters

EXECUTED:

- Selection of solution provider for 2025.
- Collection and assessment of 2024 Country of Interest Survey Results.
- Revision of charter to address social and governance regulations.

FACILITATED:

1 Webinar

2025 Goals

ISSUE:

5 Fact Sheets **10** Regulatory Alerts **12** Newsletters

DEVELOP:

- Work Plan for Solution Provider.
- 2025 Country of Interest Survey.

FACILITATE:

2 Webinars

2025 Vision Alignment(s)

1 Developed prioritization tool to evaluate regulatory risks and conducted surveys to identify countries of interest to IAEG members.

2 Evaluated over 900 environmental and chemical regulations.

3 Issued 34 regulatory alerts, seven fact sheets, 42 newsletters, and facilitated three webinars.

WORK GROUP 9

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 throughout our supply chains.

AEROSPACE INDUSTRY ESG ENGAGEMENT

WG11's aim is to deploy and maintain an enduring aerospace industry voluntary standard, with the support of a proven third-party solution, for assessing Environment, Social and Governance (ESG) practices that enables informed business decisions, duty of care compliance obligations, sustainability reporting, and positive change in environmental & social topics.

2024 Accomplishments

- Reached **5,000** suppliers scorecards – making IAEG one of the top performing Sector Initiatives, powered by EcoVadis.
- Welcomed **two** new members to the Sector Initiative – bringing representation to **49%** of the Aerospace & Defense sector (based on revenue).
- Reached a **39% Efficiency Rating** – an indicator of the reduction in supplier requests.
- Achieved **65%** rate of improved score from Aerospace & Defense suppliers upon reassessment.

Strengthening Our Foundation

- Established a Sector Initiative User Forum and an ESG Regulatory Watch Sub-team.
- Became the first Sector Initiative, powered by EcoVadis, to enable Small and Medium Enterprises to participate.
- Defined a Sector Insights Data Stewardship process.
- Conducted Supplier Webinars.
- Defined a Take Off Resource Hub Vision (Summer Intern Project).

2025 Goals

- Implement topic-specific Action Plans and Conduct Supplier Webinars.
- Enhance engagement with Small Medium Enterprises.
- Launch the IAEG Take Off Resource Hub, publish a Supplier Engagement Toolkit & ESG emerging regulations resources.
- Grow the Sector Initiative in members and in supplier scorecards.
- Monitor supplier improvements.
- Collaborate across other sector initiatives to leverage best practices.

2025 Vision Alignment(s)

1 Established an Aerospace & Defense Sector Initiative, powered by EcoVadis, which has provided a pathway for mitigating risk, enhancing regulatory readiness and increasing transparency across the value chain. The IAEG Sector Initiative is one of the top performing in both size & number of supplier assessments, as well as supplier performance.

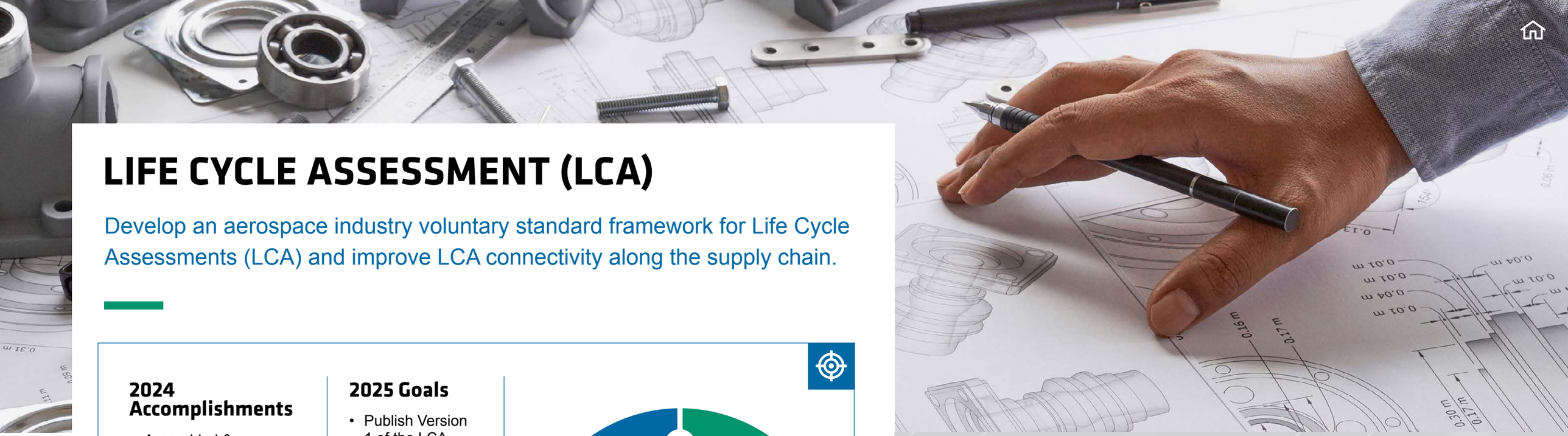
2 Hosted Sustainability-focused supplier webinars and executive exchanges.

WORK GROUP 11

LIFE CYCLE ASSESSMENT (LCA)

Measures environmental impacts of products and services, reducing variation in the process.

Supports environmental priorities for aerospace, improves process consistency and stakeholder confidence.



LIFE CYCLE ASSESSMENT (LCA)

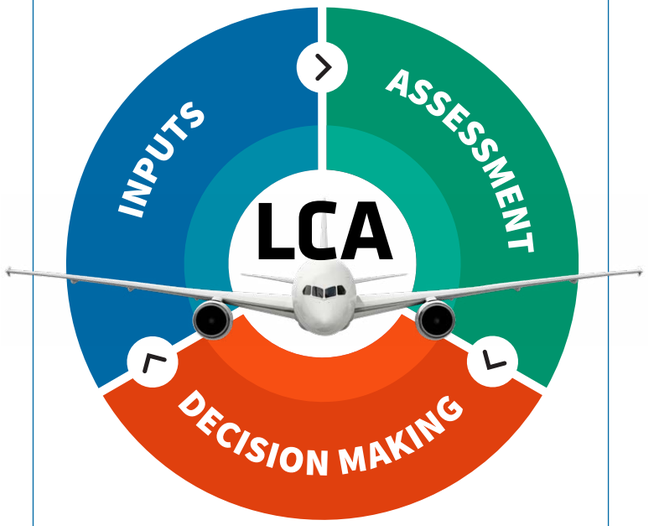
Develop an aerospace industry voluntary standard framework for Life Cycle Assessments (LCA) and improve LCA connectivity along the supply chain.

2024 Accomplishments

- Assembled & Launched Work Group 12 with representation across the industry.
- Researched widely to assess aerospace LCA inputs, processes and outputs.
- Identified opportunities for IAEG to develop improved consistency & value.
- Confirmed the elements of a voluntary framework for aerospace LCA.

2025 Goals

- Publish Version 1 of the LCA Framework.
- Deploy the LCA Framework & seek further feedback.
- Investigate opportunities to improve secondary data consistency.



2025 Vision Alignment(s)

1 Created WG12 to move IAEG another step along the path towards developing the collaboration tools we need for effective Supply Chain Engagement on product environmental assessment.

WORK GROUP 12

100% PARAFFINIC, SAF AEROSPACE COMPATIBILITY COLLABORATION

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.

100% PARAFFINIC, SAF AEROSPACE COMPATIBILITY COLLABORATION

WG13 will assess industry's readiness for a broader range of fuels beyond those currently under consideration by the ASTM International subcommittee on Fuels, and will monitor and engage in current efforts to approve the new standard for 100% Synthetic "Drop-In" SAF fuels.

2024 Accomplishments

- Achieved high participation since WG13 was established January 2024, following WG approval in December 2023, including 120 members representing 29 Companies.
- Kicked off and developed 3 subgroups, started work on 3 projects, developed 3 SOW, and 1 Collaboration Agreement.
- Added 9 group and project leaders from around industry including, Boeing Airbus, Eaton & GE.
- Project progress, kicked off the 100% SAF Joint Vision Subgroup, and Kicked off the Infrastructure subgroup, operating under a memorandum of understanding (MOU).

2025 Goals

- Strengthen infrastructure subgroup by engaging industry teams. Develop a stakeholder map and start to identify key areas of change.
- Kick off additional compatibility projects in discussion.
- Split into separate groups for the upcoming Spring 2025 Face to Face in Montreal to optimize team member collaboration and execution.
- Publish industry data from our Joint Vision group for IAEG team to share.
- Finish and capture at least 1 project that looks at a specific fuel property and its compatibility with fuel systems.

2025 Vision Alignment(s)

1 Established WG13 to assess opportunities for 100% SAF utilization across aerospace and defense industry and initiated development of education materials.

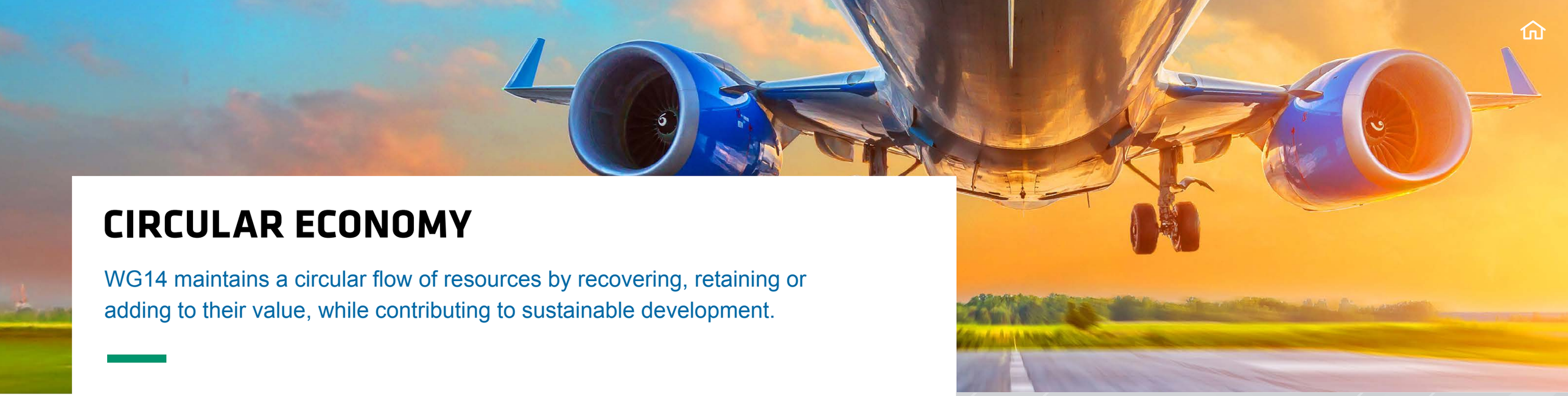
2 Generated communication media that can be used to standardize messaging around 100% SAF and compatibility.

3 Conducted testing and analysis on fuel combustion characteristics, materials compatibility and establishing new limits for systems operation and engaged a wider industry group to evaluate the infrastructure and assess information on any changes that may be required.

CIRCULAR ECONOMY

With focus on commercial aviation only, WG 14 aims at:

- **Establishing the main circular economy priorities for the industry and assess how international, regional and local circular economy regulations apply and impact the aerospace sector.**
- **Consolidate and improve existing practices for aircraft End-of-Life management to establish guidance.**
- **Defining calculation methodologies in line with existing circularity metrics or reporting standards.**
- **Understanding the economics of circular economy.**



CIRCULAR ECONOMY

WG14 maintains a circular flow of resources by recovering, retaining or adding to their value, while contributing to sustainable development.

2024 Accomplishments

Work Group 14 launched January 2024 with 80+ participants representing 40+ companies. WG 14 is the only existing international work group for Circularity/Raw Materials for the sector.

5 Subgroups established:

- **SG1:** Circular Economy definitions.
- **SG2:** Regulatory landscape.
- **SG3:** End of Service practices.
- **SG4:** Material Circularity.
- **SG5:** External publications.

Delivering a list of 130+ circularity definitions and metrics applicable to commercial aviation.

2025 Goals

- Implement an operational screening of circular economy regulations and their impact with the support of WG9/WG11.
- Deliver white papers to be used as reference documents by the wider industry, with topics to include composites circularity challenges and circular economy blockers for the aviation industry.
- Analyze existing practices for aircraft end-of-service management and propose improvements.
- Propose recommendations to measure circularity in the aviation industry and propose a sectoral methodology for a circular economy index.
- Establish a catalogue of materials type available for re-use/recycling at end-of-service.

2025 Vision Alignment(s)

1 Initiated collaboration with suppliers to develop sustainability and assessment tools. Efforts will continue with ambitions to define a sectoral methodology to measure circularity.

WORK GROUP 14

Message from Communications Officer

IAEG has had an exciting and productive year. The three new work groups, 100% Sustainable Aviation Fuel, Life Cycle Assessment, and Circular Economy, have extended IAEG's reach into important ESG topics and have led to growth in both member companies and participants from current members. IAEG hosted two in-person face to face technical meetings (Dallas, Texas and Madrid, Spain) that allowed work groups focused collaboration time to execute work product aligned with IAEG's 2025 vision. Both face to face events demonstrated the progress achievable by bringing the industry experts together to solve environment and sustainability challenges and offered members the opportunity to hear from renowned experts. IAEG's operations have been under review to optimize and support growth, resulting in streamlined processes and defined roles and responsibilities. IAEG's communication committee continued to expand our social media presence and supported work groups with publication of many key deliverables, including educational content for the small medium businesses and for the supply chain. The communications committee also kicked off a website redesign that we are eager to roll out in 2025. Following are some highlights from our IAEG communications team:

Welcome to several new IAEG Board of Director members:

- **Sean Johnson -** *Bombardier*
- **Joshua Frederickson -** *Pratt & Whitney (RTX)*
- **Emilie Herny -** *Safran*

And thank you to all who served previously.

Congratulations to our IAEG 2024 Award Winners

Congratulations to both the nominees and winners! Members were nominated by their peers for their outstanding contribution to an IAEG Work Group or the organization overall, specifically relating to their contributions to IAEG's efficiency & effectiveness, strategic development, and customer value. This year's winners are:

- **Stephen McLaughlin -** *Spirit AeroSystems*
- **Suellen C. dos Santos Frank -** *Boeing*
- **Michelle McElvaine -** *Boeing*
- **Michele Lawrie-Munro -** *Inventures*
- **Amanda Myers -** *SAE International*
- **Kathleen Oldham -** *Bell Textron Inc*

Special recognition to the following individuals for their many efforts and time contributing to IAEG:

- **Sam Clay -** *Raytheon Technologies*
- **Damien Labadie -** *Scalian*
- **Nadine O'Boyle -** *Collins Aerospace*
- **Ashley Rubinsky -** *Lockheed Martin*
- **Tim Sheehan -** *Raytheon Technologies*
- **Rick Shanks -** *Pratt & Whitney*

Welcome to New Members

IAEG Membership companies represent 70% of the Global Aerospace and Defense Industry. Aerospace OEM's can join as Full Members and any interested company, corporation, trade association, consulting company, or university may join IAEG as a Liaison Member. New tiers of membership will be rolled out in 2025. Visit www.iaeg.com/membership to learn more about joining and becoming part of our community. Membership benefits include:

- Have a voice in promoting the development of voluntary consensus standards addressing environmental and sustainability concerns.
- Participate in a forum for dialog on industry optional approaches for implementation of environmental and sustainability requirements.
- Participate in 10 Work Groups seeking solutions for critical ESG issues facing the aerospace & defense industry and access to member only deliverables, reports, and other information.
- Engagement in member-only Monthly Reviews, semi-annual F2F conferences (spring North America, fall Europe), and annual member meetings.

A warm welcome to IAEG's newest members:

Full Members:

- **DuPont**
- **Eaton**
- **ITP Aero**
- **LIEBHERR-Aerospace & Transportation**
- **Moog Inc.**
- **Socomore**
- **Syensqo**

Liaison Members:

- **Accenture**
- **AFRA** *(Aircraft Fleet Recycling Association)*
- **Expleo**
- **Daher**
- **Deloitte**
- **eCUBE**
- **PTC**
- **Scalian**
- **Tarmac Aerosave**
- **Toray Advanced Composites**

Looking forward to 2025!

IAEG members should be proud of the accomplishments of 2024, which extended further into more Environmental, Social, Governance (ESG) areas and provided tools and resources for the Aerospace Industry as we strive for responsible and sustainable aviation.

We hope everyone has returned from the holiday season recharged and eager to tackle environmental challenges and sustainability in our industry.

We are ready to establish plans aligned with Vision 2030 and look forward to seeing what IAEG members can accomplish next year!

Kathleen Oldham | IAEG COMMUNICATIONS OFFICER

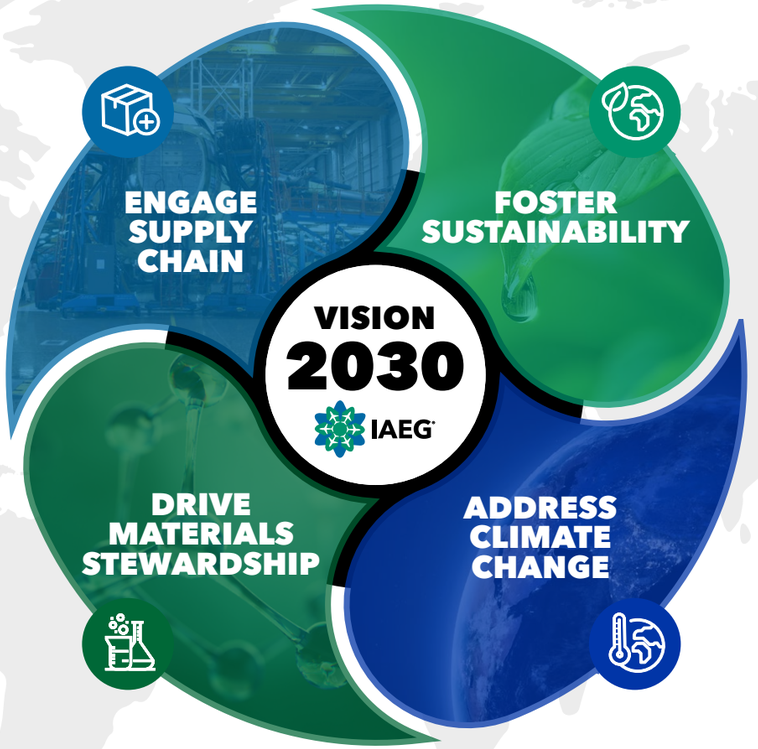
In 2024, IAEG's Strategic Planning Committee (SPC) carried out an extensive review and refresh of the IAEG Vision to include emerging topics of interest to our industry and stakeholders, and delivered a fully redesigned Vision 2030 *(preview at right)* approved by the IAEG Board of Directors. We are excited to see its public release in January 2025 and believe it aligns more clearly with emerging environment, social, and governance topics that affect the aerospace and defense industry.

Vision 2030 reflects evolving times and our changing organizational focus while also removing perceived limitations of our prior vision pillar design. The integrated and interwoven themes with their clarifying imperatives better demonstrate IAEG's commitment towards a 'Sustainable Aerospace and Defense Industry', our new simplified Vision. With our core values to champion standardized practices, partner with stakeholders and elevate the impact of IAEG, we believe Vision 2030 fits the organisation's future aspirations and working group activity.

The SPC is undertaking an update to IAEG's analysis of industry relevant sustainability topics to identify and prioritize IAEG opportunities to have meaningful impact on the aerospace and defense industry. The analysis process (heatmap tool) is used to support the development of ideas into the formation of working groups. As a reminder to all our membership, if you have an idea for a new working group or how we might refocus an existing one, there is a process published by the SPC to help you bring ideas to the table.

Heather Daniels |
STRATEGIC PLANNING
COMMITTEE CO-CHAIR

Christopher Lines |
STRATEGIC PLANNING
COMMITTEE CO-CHAIR



SEE FULL VISION 2030 >

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

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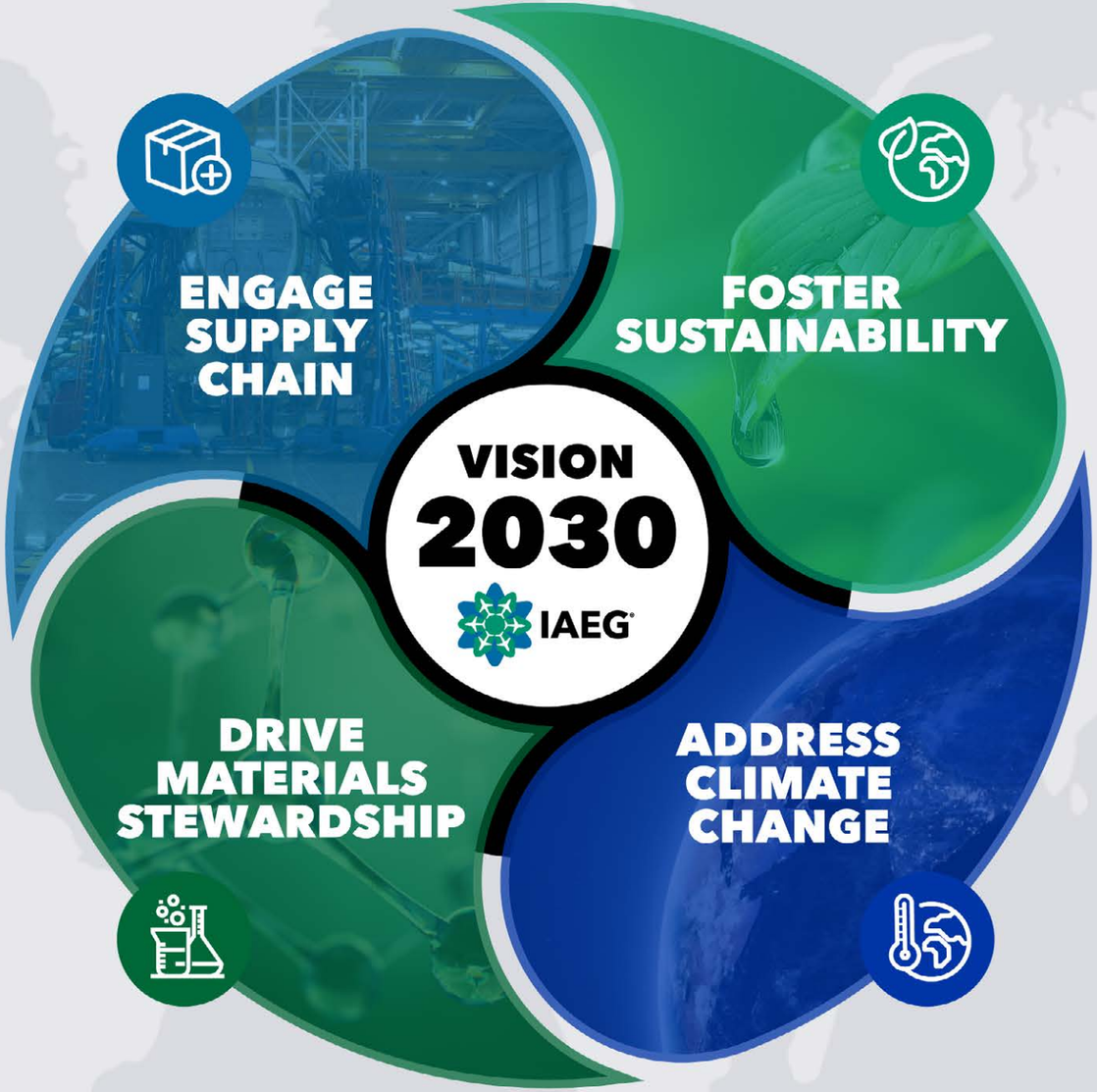
PRIORITIZE rapidly evolving global regulations and standards

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

ABOUT IAEG

71 MEMBER COMPANIES

72% OF GLOBAL AEROSPACE AND DEFENSE INDUSTRY ARE IAEG MEMBERS

$605B COMBINED ANNUAL 2023 REVENUES FOR IAEG (FULL) MEMBERS

$829B TOTAL GLOBAL AEROSPACE INDUSTRY 2023 REVENUES

IAEG Full Members

Airbus
ATR
BAE Systems
Boeing
Bombardier
CAE
Dassault Aviation
De Havilland Aircraft of Canada Limited
Diehl Aviation Holding
DuPont
Eaton
Embraer
GE Aerospace
GKN Aerospace
Gulfstream
Henkel
Hexcel Corporation
Honda Aircraft Company, LLC
Honeywell
Howmet Aerospace
Huntsman Advanced Materials
Israel Aerospace Industry, Ltd.
ITP Aero
L3Harris Technologies, Inc.
Leonardo
LIEBHERR-Aerospace & Transportation
Lockheed Martin
Moog Inc.
MTU Aero Engines
Northrop Grumman
Ontic
Praxair Surface Technologies, a Linde Co.
RTX
Rolls-Royce
SAAB AB
SAFRAN
Socomore
Spirit AeroSystems
Syensqo
Textron, Inc.
Thales

IAEG Liaison Members

Accenture
AFRA
Airbus Canada
Airbus Defence and Space
Airbus Helicopters
ANSYS UK Limited
Assent Inc.
BSI Group
Capgemini
Daher
Dassault Systems Enovia Corp
Deloitte
DXC Technology
eCube
Expleo
Haley & Aldrich
Hangsterfer's Laboratories, Inc.
Noblis
PTC
Ramboll Environment & Health
Risk & Policy Analysts Ltd
SAFECHEM Europe GmbH
Scalian
Sopra Steria
Souriau SAS
Tarmac Aerosave
Tetra Tech
Toray Advanced Composites
Yordas Group
3M Deutschland GmbH