

Aerospace today and tomorrow and the role of the Royal Aeronautical Society



A personal perspective

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President Elect

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**ROYAL
AERONAUTICAL
SOCIETY**

MY BACKGROUND

- 39 years at Airbus in UK
- An engineer
- Worked on systems, avionics, software, wing design, support engineering and research management
- Concorde, BAC 1-11, BAe 146, A320, A340, A400M
- Close engagement with European Governments to achieve maximum support for Airbus R&T activities



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SOCIETY**

THE SOCIETY – WHAT WE DO

- The Royal Aeronautical Society (RAeS) is the world's only professional body dedicated to the entire aerospace community.
- Founded in 1866, the Society exists to further the advancement of aeronautical art, science and engineering around the world.
- The Society has more than 17,000 members in over 100 countries, an international network of 70 branches and more than 5,000 young members worldwide.

THE SOCIETY PROMOTES

- Professionalism in individuals
- Professionalism in aerospace companies

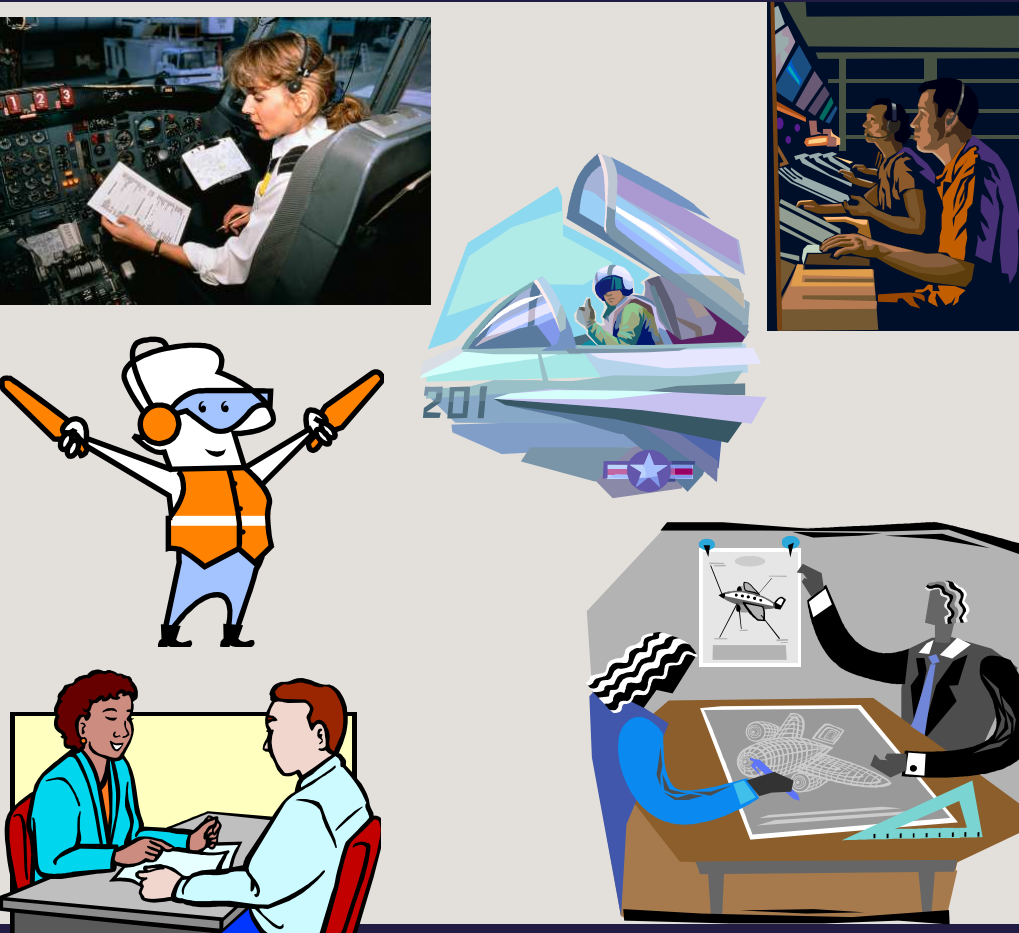
- Interest in aerospace

- Participation in public debate



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THE SOCIETY – WHO WE ARE



Manufacturers
Operators
Regulators
Maintainers
Military
Government



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THE SOCIETY – WHERE WE ARE



A Global Presence

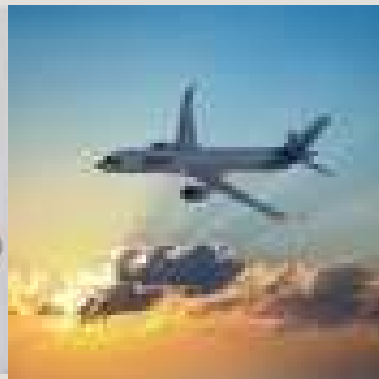
Over 19,000 members in more than 100 countries
Network of over 60 Branches/Divisions

2013

A IMPORTANT YEAR IN AEROSPACE



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AEROSPACE

- Global Business
- Complex supply chain
- Complex customer relationship
- Safety paramount
- Highly regulated
- Highly competent workforce
- Transferable skills





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AEROSPACE - 2020

- Environmental Targets
- Challenges to the top two
- Derivative aircraft
- Increasingly complex supply chain
- Alliances
- 'Perfect flight'





AEROSPACE - 2050

- Energy - fuel cells, solar power, harvesting
- Operation – formation flying, aircraft carriers, passenger pods, cruising
- Technology – materials, manufacturing
- Configurations





THE ROLE OF THE SOCIETY - 1

Developing Engineers

- Multi-disciplined
- Multi-lingual

Informing

- Branch lectures
- Headquarters lectures
- Conferences
- Publications



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THE ROLE OF THE SOCIETY - 2

Facilitating debate

- Volcanic Ash
- Stall testing large aircraft





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KEY THEMES FOR ME

Diversity

- Gender
- Age
- Ethnicity
- Disability

Pipeline Approach to STEM skills

- School
- University and College
- Early career



The background is a blue sky with white clouds. A large, semi-transparent circular logo is centered. Inside the circle, an eagle with its wings spread is perched on a globe. The globe shows latitude and longitude lines. Several four-pointed stars are scattered in the sky above the eagle. The word "QUESTIONS?" is written in white, bold, sans-serif capital letters across the eagle's chest.

QUESTIONS?

www.aerosociety.com