



**THE FIRST EUROPEAN
AIRCRAFT
RECYCLING
SYMPOSIUM
STUTT GART/GERMANY
DECEMBER 12 - 13, 2013**



WELCOME TO THE FIRST SYMPOSIUM ON AIRCRAFT RECYCLING

More than 25% of the current civilian aircraft fleet will be decommissioned in the coming 15 years, offering both business options and challenges. Technically speaking, a total potential of about half a million tons of valuable materials will become available. But even more added value can be expected from equipment and parts extraction before the aircraft is finally taken out of service.

On the other hand, the interface between the airworthiness requirements and the waste management laws in the end of life operations creates legal and technological challenges for all stakeholders. Not only the companies' sizes, but also their policies and strategies for future business development are manifold and sometimes divergent. To provide sustainable business operations on a European or even a worldwide scale, amongst others technical requirements, quality assurance both for parts and processes as well as materials flow and recycling option issues will have to be addressed, monitored, and developed.

This first European Symposium on Aircraft recycling will bring together aircraft manufacturers, dismantlers, recyclers, and also researchers. It provides a neutral platform for exchanging and discussing the current status and the potential of technology, and policies in aircraft end of life operations and recycling.

Welcome to Stuttgart on December 12 and 13, 2013!

Prof. Joerg Woidasky, chairperson



Photos: Courtesy of Fa. Keske/Braunschweig



AGENDA

DECEMBER 12, 2013

- 18.00 h Opening of registration desk at GENO Hotel Stuttgart
- 19.00 h Welcome reception
- 19.30 h Networking dinner

DECEMBER 13, 2013

- 8.30 h Opening remarks: Joerg Woidasky (chairperson)

Session 1: Requirements, goals, and umbrella organizations

- 8.45 h Mattia Pellegrini (EU, Head, Unit Raw Materials, Brussels): European Innovation Partnership on raw materials and critical raw materials recycling in aircraft industry
- 9.15 h Paolo Trinchieri (Cleansky JU, Brussels): An overview on the progress of a large scale EU demonstration program – The Eco-design Integrated Technology Demonstrator

9.45 h Coffee break

Session Track 2: Management, business, and research

- 10.15 h Olivier Mallavalon (Airbus, Toulouse): Aircraft end of life management – The Airbus experience feedback
- 10.45 h William Carberry (Boeing, Seattle): AFRA (Aircraft Fleet Recycling Association) and its members activities for end of life services
- 11.15 h Jérôme Lery (Dassault Aviation, St. Cloud), Torsten Müller (Fraunhofer ICT, Karlsruhe): Clean Sky Eco Design – Technologies for greener aircraft production and disposal
- 12.00 h Rocco Lagioia (ITRB, Brussels). Project Nemesis: Future market and solutions for the end of life of aircraft materials

12.30 h Lunch break

Session 3: Technologies for identification, dismantling, and recycling

- 14.00 h Hannes Lockenvitz (ERMC, Zürich): Current status and technologies for recovery of high-value metals from engines and other aircraft components (to be confirmed)
- 14.30 h Sebastian Jeanvré (Keske Entsorgung GmbH, Braunschweig), Christian Duwe (IFAD, TU Clausthal, Clausthal-Zellerfeld): Technologies and practical experiences on AC end of life operations from a dismantlers point of view

15.00 h Coffee break

Session 4: Technologies for assessment and design

- 15.30 h Rémy Teuscher (previously at EPFL, Lausanne): Carbon fibre composite waste of aircraft: A comparative assessment of recycling and energy recovery
- 16.00 h Martijn IJtsma, Koen van den Kieboom (TU Delft): Cradle-to-cradle in aircraft design: Reality or utopia?
- 16.30 h Closing remarks: Joerg Woidasky (chairperson)



ORGANIZATIONAL INFORMATION

The symposium fee is 300,- Euro including the welcome reception and networking dinner, business lunch and beverages on the symposium day. (Students rate 100 €)

Venue of Aircraft Recycling Symposium

GENO Hotel Stuttgart

Steckfeldstraße 2
70599 Stuttgart / Germany

The symposium will be held in the **GENO hotel Stuttgart**. (10 min drive from Stuttgart airport) Rooms are available here. Please identify yourself as a participant of »Aircraft Recycling Symposium« and register separately for accommodation on the hotel website www.hotel-geno.de, or phone +49-711 / 4581-0
fax +49-711 / 4581-3209, or
Email hotel.stuttgart@bwgv-hotel.de

REGISTRATION

Registration for the symposium is possible via e-mail to rcsymposium@hs-pforzheim.de or by submitting the Registration form to Hochschule Pforzheim
Joerg Woidasky
Tiefenbronner Straße 65
75175 Pforzheim / Germany
Fax +49-7231-6057

Registration Form

for participation in the first European Aircraft Recycling Symposium on December 12. and 13. 2013 in Stuttgart / Germany

Name, Surname _____

Organization _____

Postal Address _____

Street _____

ZIP-Code _____

Town _____

Country _____

Email-address _____

Date and Signature _____

If you are a student, please register along with your students identification document copy (students ID).