



INTERNATIONAL PARIS AIR SHOW

Paris • Le Bourget • From 17 to 23 June 2019

2019 CSR REPORT

An event by



EDITORIAL



At its 53rd edition, held from 17 to 23 June 2019, the International Paris Air Show confirmed once again its status as the world's largest event dedicated to aerospace.

An essential showcase for the aerospace industry and its stakeholders, the 2019 Paris Air Show was another resounding success and received a record number of Exhibitors with over 2,450 businesses taking part. A huge number of industry professionals and the general public attended the event, with more than 316,000 visitors and 2,700 journalists over the week. They were able to discover numerous spaces and events, including the Careers Plane and the Paris Air Lab, an area dedicated entirely to research, innovation and foresight.

Visitors were also able to admire 140 aircraft presented during the Show. Lastly, the event's international dimension was consolidated with more than 300 Official Delegations attending, and a visit from the President of the Republic of France and a large part of the French government.

The Paris Air Show also constitutes a major technical, logistical, and health and safety challenge, with almost 125,000 m² of equipped spaces, and many thousands of stakeholders involved in the three weeks of set-up. Conscious of the various challenges we face in this century, the Paris Air Show has, for more than 10 years, developed a Corporate Social Responsibility (CSR) approach recognized by ISO 20 121 certification.

The Paris Air Show's CSR strategy is designed to ensure the health and safety of all staff, offer optimum working conditions, measure and reduce environmental impact, and involve all stakeholders in the approach.

In addition to these strategic objectives, the Paris Air Show also aims to mobilize and develop the events industry by supporting the development of best practices amongst suppliers, service providers and space designers and decorators. The Paris Air Show was one of the first companies in the industry to obtain ISO 20 121 certification in 2013 and some 70 other businesses are now certified and committed to CSR initiatives.

ISO 20 121, CERTIFICATION RENEWAL

After its initial 2013/2016 certification and renewal in the 2016/2019 period, the Paris Air Show's ISO 20 121 certification was once again confirmed for the 2019/2021 period following an audit of all the show's activities during set-up and dismantling. This audit, completed by the company SGS, confirmed the compliance of the Paris Air Show's procedures and also identified areas for improvement.



Having had the pleasure of completing the ISO 20121 certification audit during the 2019 edition of the Paris Air Show, I was amazed by its incredible and remarkably complex organization. The organizers succeeded in the huge challenge of reconciling high-level security with optimum comfort for clients and visitors. The well-being of workers was particularly well-considered and the organizers' CSR objectives particularly well-outlined in various specifications. The organization nonetheless remains penalized by the diversity of international stakeholders and the difficulty of taking into account their various legislations, particularly with regards to waste sorting. This could be further perfected and is an interesting avenue for development.

Étienne Antoine
ISO 20 121 auditor for SGS

THE 5 MAIN CSR TRIALS FROM 2019



126 TONS OF FURNISHINGS RECOVERED BY VALDÉLIA

Founded in 2011, Valdélia is a not-for-profit eco-organization accredited by the Ministry for the Ecological and Inclusive Transition of France, whose goal is to collect and recycle non-household Equipment and Furnishings Waste (non-household EFW). Valdélia and the Paris Air Show worked in partnership for the 2019 edition to trial the collection and recycling of the equipment and furnishings presents in the show's various areas. More than 20 interior designers, members of Créalians, voluntarily took part in the trial, enabling the collection of more than 126 tons of furnishings.

A word from AWEN GILLET

Characterization Project Manager, for the eco-organization Valdélia

The Paris Air Show initiative was of a particularly large scale. With limited time on site, the schedule was well timed over the two days of work (Wednesday, 26 June to Thursday, 27 June). In total, 126,72 tons of EFW (25 skips in total) were collected by our service provider ORGANIDEM, for delivery to the treatment plant PAPREC Île-de-France Le Blanc-Mesnil. Some materials such as particle boards were also collected from the Paris Air Show by the ReMake workshop, for re-use at the Terrasse des Canaux in Paris.



POINT OF VIEW

FABRICE LABORDE

President of Créalians, Managing Director of Galis

Créalians and its members have been involved for many years in a number of different CSR initiatives (including the ISO 20 121 standard) and notably in the recovery of materials. The trial carried out at the Paris Air Show was very much in line with the industry's goals. Eight members participated for a total of almost 6,000 m² of built space. From an operational point of view, the operation was completed with minimum constraints for the teams responsible for the dismantling. The flows for material recovery and collection skips were clearly indicated and easily accessible. It was a great success for all of those involved, although many challenges remain for 2021, including an increased number of members, wider mobilization of manufacturers (carpeting, wooden panels) and increased promotion of the concrete results of the operation.





9,000 m² OF CEILING TILES RECOVERED BY ARMSTRONG

Since 2015, the Paris Air Show and Armstrong, the manufacturer of the ceiling tiles used in stand and chalet fittings, have run the operation Re-Use. This operation offers designers the chance to recondition ceiling tiles at the end of the show, so that Armstrong can recover them in their production chain. It's simple (tiles are removed and placed on a pallet), quick (no additional manoeuvring for decorators) and economic (tiles are collected free-of-charge) and enables decorators to get more involved in the Paris Air Show's CSR approach. For the 2019 edition, almost 88 palettes, equivalent to 9,000 m² of tiles, were recovered (the equivalent of almost two football pitches).



A word from MÉLANIE PÉTIN

Sales & Marketing Coordinator at Armstrong Ceiling

We are delighted to have taken part in this ceiling tile recycling operation for a number of editions. It's more than a sales operation, it's a setting in which our environmental policy really proves beneficial. The fact that ceiling tiles are used only once during the week of the Show is compensated by their complete recovery for incorporation in our production. We found the Paris Air Show to be a great partner who was very aware of the environmental stakes and who we were able to work with very efficiently.



A NETWORK OF FOUNTAINS AND WATER MISTERS

In order to improve the comfort of visitors, the Paris Air Show set up in 2019 a network of water fountains and misters. This network improved the visitors' experience and contribute to reduce plastic waste (bottles...).



A FIRST STEP IN THE FIGHT AGAINST FOOD WASTE

The Paris Air Show manages more than 20 catering points. For the Show, hundreds of stands and chalets offer private catering areas. Even if all caterers take great care to manage product quantities, the breadth and unforeseeable circumstances – like weather – found at an event like the Paris Air Show generally lead to food surpluses (eg. sandwiches, salads, desserts). For the 2019 edition, the Paris Air Show set up a partnership with the Chainon Manquant association to trial the collection and redistribution of these surpluses. In addition to the regulatory stakes linked notably to expiry dates, the main difficulties of the initiative are linked to information sharing (which products are available on which day) and collection logistics. The 2019 trial notably enabled redistribution of the equivalent of 1,000 meals. It's an encouraging start but the show still has far more potential.

A word from VALÉRIE DE MARGERIE

President & co-founder of the Chainon Manquant Association

In France, 10 million tons of food go to waste every year, whilst 6 million people lack the financial means to feed themselves sufficiently. Our association collects high-quality catering surpluses to help people in need of food in nearby facilities. We are delighted that the Paris Air Show wanted to work with us for the 2019 edition. We collected a variety of products (sandwiches, salads, vegetables, cheese, drinks) which were much appreciated by the associations that benefited from them. At the 2021 edition, we will work on better adapting food surplus conservation resources and further raising awareness amongst teams.



100% LED LIGHTBULBS, AN OBJECTIVE (ALMOST ENTIRELY) ACHIEVED IN ALL HALLS

In response to energy challenges, the Paris Air Show decided for its 2019 edition to make LED bulbs compulsory for all stands and chalets. LEDs consume 6 times less than classic lightbulbs and, more importantly, do not emit heat. The Paris Air Show is held during a period of the year which is particularly vulnerable to heatwaves and the use of LEDs helps reduce the need for air-conditioning in halls and thus energy consumption. The Paris Air Show's recommendations were generally followed, with almost 100% LED lighting used in halls 1, 2B, 4, 5 and 6, and almost 93% in hall 2. The Paris Air Show and Viparis (the park manager) also changed part of the equipment in the halls to reduce overall lighting consumption.

.100%
LED lighting used
in halls 1, 2B, 4, 5 and 6

.93%
LED in hall 2

A word from CATHERINE PHIN

Sustainable Development Manager for Viparis

We have set up a programme for the gradual replacement of lighting with more energy-efficient LED bulbs, with the goal to replace all lighting by 2024. In this way we are working to reduce energy consumption at the site in order to reduce our environmental impact, as one of Viparis' major commitments in its CSR strategy is to reduce the carbon footprint linked to the running of its sites by 70% by 2030 (compared with 2016).

8 ACTIONS IN FIGURES AND IMAGES



#01 Prevent risks linked to accidents at work

150 accidents at work during the Show (set-up, running, dismantling), the same as in 2017 (148).



#02 Encourage quality working conditions

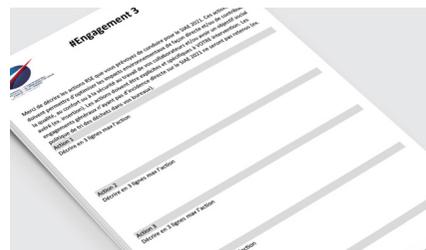
- **16,614 meals served at Self Galilée**, an affordable (€11) catering space offering healthy meals to all service providers and their subcontractors.
- **40 equipped living spaces** (114 modular buildings over 1,700 m²) where service providers and their subcontractors could relax. A major commitment of the Paris Air Show (€250 k invested) to offering the best possible working conditions at an extraordinary site.



#03 Involve exhibitors in the CSR approach

85% of Exhibitors stated that their company was committed to a sustainable development initiative

and **69% stated that they incorporate these criteria** into construction specifications.



#04 Increase access fluidity by reducing waiting times at gates and improving reception quality

5 minutes: the average waiting time at the different gates of the Paris Air Show. Thanks to the logistical improvements implemented in 2019, the average overall waiting was reduced by half.



#05 Challenge our suppliers' CSR commitments

92% of Paris Air Show suppliers stated that they were informed of the Paris Air Show's CSR commitments

and **93% felt the CSR criteria** incorporated into consultations were adapted to the realities of their trade.



#06 Train our permanent and temporary staff

91% of permanent and temporary staff stated that they had been trained on the CSR approach.



#07 Encourage use of public transport

240,000 people transported by Paris Air Show shuttle buses between the RER station and the Bourget.



#08 Reduce the use of disposable carpeting

31,500 m² of reusable carpeting installed by the Paris Air Show, enabling an almost 13 tons reduction in waste and an almost 73 tons reduction in CO₂ emissions.

CSR CHALLENGES FOR COMING EDITIONS



Challenge #01

IMPROVED WASTE MANAGEMENT ON-SITE

Waste management is a recurring problem for shows, and the Paris Air Show in particular, where the size and nature of stands more closely resemble the world of construction than the world of trade shows. Although various logistical and technical improvements have been made, the figures for recycling and recovering have stagnated, despite the significant quality and potential of recoverable deposits. A major study on technical, logistical and financial optimization will be launched for the 2021 edition in order to significantly increase waste recovery during the various stages of the Show.

Challenge #02

INTENSIFIED CHECKS ON SECURITY COMPLIANCE

The Paris Air Show leads an ambitious and voluntaristic policy for the health and safety of staff working at the site (eg. wearing of security clothing, respect of rules for working at height, prohibition of night work, etc.). Although the Paris Air Show's rules are clear and explicit, their appropriation and application by the 30,000 staff members working on the site, representing more than 100 different nationalities, remains a major challenge. One of the main goals for the 2021 edition will be to reduce accidents at work, by intensifying training/prevention tools and actions, and reinforcing checks.

30,000
staff members of nearly 100 nationalities



Challenge #03

MOBILIZING EXHIBITORS IN THE ECO-DESIGN OF THEIR SPACES

Exhibitors are directly responsible for equipping the 100,000 m² exhibition space (chalets, stands, statics). For a number of editions, the Paris Air Show has led collective actions to help reduce the impact of these designs with willing designers and Exhibitors. In addition to these common initiatives, individual mobilization of every Exhibitor and creative team in charge of the design of stands is another major challenge for the 2021 Show. Various tools and mechanisms for involving Exhibitors are planned for the next edition to ensure the participation of Exhibitors in the eco-design approach.

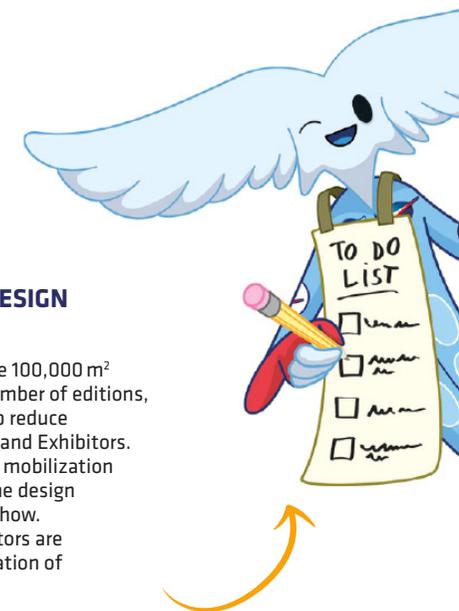
100,000 m²
exhibition space
(Chalet, stand, Static area)



Challenge #04

STEPPING UP THE FIGHT AGAINST FOOD WASTE

After the 2019 trial, the Paris Air Show aims to organize and structure the collection and redistribution of unsold food and food surpluses in partnership with local charitable organizations. This goal will require major mobilization of the various managers of the fifty sales points on the site and caterers to ensure maximum reuse of unsold goods for the 2021 edition.



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