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2019 was a notable year at Airbus as it celebrated its 50th anniversary. The Airbus Foundation joined in by launching its Humanitarian Challenge campaign in April, the last of a series of events marking the Foundation’s 10th anniversary. Thanks to employee organised fundraising events, around €70,000 was raised for two of our humanitarian partners. Not only will this sum help alleviate suffering in certain parts of the world, but the contribution of Airbus employees underlines their commitment to the Company’s values. In feedback on the event, 80% of participants said they took part because they wanted to support an initiative with a societal purpose.
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The Humanitarian Challenge represented a flagship event within one of the Airbus Foundation’s two strategic pillars: humanitarian emergency response actions and youth development.

Our digital STEM platform, Airbus Foundation Discovery Space, which was launched in 2018, garnered hundreds of thousands of views. Meanwhile both the Airbus Foundation Flying Challenge and the Airbus Foundation Little Engineer (ALE) programmes continued to expand into new locations around the world.

In terms of the Airbus Foundation’s role within the humanitarian community, we have continued to support the key actors in emergency response. Activities included responses to three humanitarian crises – Cyclone Idai, the Amazon rainforest wildfires and Hurricane Dorian – through using a range of Airbus products and services, including relief flights using the Airbus A330neo; helicopter flight hours and provision of satellite imagery.

We have also expanded our portfolio of services to help our partners build their capacity in terms of knowledge, expertise and innovation. We supported intensive satellite imagery analysis training and provided training to humanitarian personnel via the Airbus Leadership University, while actively collaborating on innovation projects, particularly in the fields of digitalisation and water sanitation.

As we anticipate new opportunities in 2020, we can look back on a year in which the Airbus Foundation sparked pride among employees and achieved long-lasting impact for our partners and beneficiaries. Not only did we support the wider responsible image of aerospace, but we also created unforgettable personal moments of solidarity between employees and teams across Airbus.
humanitarian activities
Since its launch in 2008, the Airbus Foundation has coordinated 73 humanitarian flights, delivering over 999 tonnes of aid to over 30 countries and 893 helicopter flight hours have been chartered in 18 countries since 2013. The Foundation’s humanitarian partners constitute around 80% of disaster response efforts during major disasters.

In 2019, the Airbus Foundation coordinated 7 humanitarian flights across 6 countries carrying more than 159 tonnes of aid to the humanitarian community using A330neo and A350 XWB aircraft. Additionally, 350 helicopter flight hours were chartered in 5 countries.

The support Airbus provided was in response to significant catastrophic events through 2019. For example, Cyclone Idai, which took place in March, was one of the worst tropical cyclones on record to affect Africa and the Southern Hemisphere. Meanwhile, Hurricane Dorian, which made landfall on the Bahamas in September, is regarded as the worst natural disaster in the country’s history. By supporting the emergency response efforts of its partners during such events, the Airbus Foundation continues to be a respected, recognised and ‘in-demand’ partner to the key actors within the humanitarian community.
Humanitarian activities per year, per partner and per product/service

Satellite: 39%
Relief flight: 12%
Helicopter: 23%
Goodwill flight: 9%
Capacity building: 17%

Humanitarian activities per year and per product/service

Annual Report 2019
Response to the devastation caused by Cyclone Idai

- Mozambique
- March & April
- A330neo test aircraft

On a first relief flight, the Airbus Foundation and the International Federation of Red Cross and Red Crescent Societies (IFRC) transported relief equipment (water, sanitation and hygiene equipment, shelters), provided by the Swiss Red Cross and the Swiss Agency for Development and Cooperation.

A second relief flight in partnership with the French Government’s Crisis and Support Centre (CDCS) departed from Toulouse transporting around 30 tonnes of material including family tents, wire reels from Electriciens sans frontières and toolkits for Architectes de l’urgence to rebuild destroyed housing.

Response to long-term drought and flash flooding

- Afghanistan
- May
- A330neo test aircraft

A relief flight to Afghanistan in partnership with IFRC and the Finnish Red Cross transported family tents, expected to provide shelter to 650,000 people (approximately 92,466 households).
Response to the wildfire in the Amazon & Hurricane Dorian in the Bahamas

- Bolivia, Panama and the Bahamas
- September
- A330neo aircraft

This complex mission involved a relief flight to Bolivia, followed by a flight to Panama to load aid materials which were then transported to Nassau in the Bahamas. It was carried out in partnership with IFRC and the French Government’s Crisis and Support Centre CDCS.

On the first flight were 38 firefighters from the French Civil Security agency, the French Ambassador to Bolivia and 12 tonnes of fire-fighting equipment, while 30 tonnes of goods (including hygiene kits, tarpaulins for emergency shelters, kitchen sets, blankets, shelter tool kits and plastic buckets) were transported to Nassau.

Valeria Araujo from IFRC thanked the Airbus Foundation for the collaboration, saying: “With these items, it was possible to assist approximately 500 families affected by the disaster. Very good coordination and communication was always maintained with the Airbus team, before, during and after the flight. Thanks for the collaboration; we hope to work with you again.”
Senegal

- March & November
- Air Senegal A330neo

Two flights were carried out throughout the year to transport medical equipment, toys, clothes for children and adults as well as books on board the airline’s newest A330neo aircraft. The items were donated by Aviation Sans Frontières, Institut Universitaire du Cancer de Toulouse – Oncopole and La Chaîne de l’Espoir, and were distributed to the Centre Hospitalier de Saint-Louis du Sénégal and to the Serve Senegal Foundation, which is led by the First Lady of Senegal, Marième Faye Sall.

Mauritius & Madagascar

- April
- Air Mauritius A350 XWB

A flight was conducted with Air Mauritius and the Air Mauritius Foundation to transport medical material donated by Aviation Sans Frontières to Mauritius and Madagascar for the benefit of children residing in a convent.
2019 saw us conduct an increasing number of humanitarian missions with helicopters. This underlines the value of the flexible and responsive services offered by Airbus Foundation and Airbus Helicopters, which can save people from harmful situations and support responders on the ground in assessing emergency situations. The timely, localised responses we provide are supported by the excellent relationship we have with Airbus Helicopters customer centres around the world.

Cyclone Idai

- Mozambique  
- March/April/June  
- AS350 and AS350-B2

90 flight hours were agreed for Mercy Air’s AS350-B2 to provide aerial assessments, evacuate people and transport food. In June, Mercy Air requested additional helicopter flight hours to offer a timely response to the hunger situation in the Zambezi Delta. 52 hours were also donated to IFRC and 13 to the French Government’s Crisis and Support Centre CDCS. In total, 115 flight hours have been operated by Savannah Helicopters and Mercy Air.

Thank you very much indeed, Airbus Foundation! Your sponsored flights have saved lives; there is no doubt about that. Mercy Air and our crew are grateful and proud for the partnership with you in supporting the humanitarian cause and alleviating the incredible suffering of people in Mozambique affected by this natural disaster. And all this while using the best helicopters there are: Airbus Helicopters H125!

Matthias Reuter  
Mercy Air

Wildfire

- The Amazon rainforest  
- September  
- AS350/BK17 and H125

Due to the scale of the wildfires, the request from CDCS was very extensive. Airbus Foundation provided direct support via flight hours but also brokered a relationship between CDCS and the operator so that they could continue working together on additional actions, underscoring our strong relationship with the French Ministry of Foreign Affairs. In collaboration with French Government’s Crisis and Support Centre CDCS, the Airbus Foundation supported Bolivia’s efforts to combat the severe fires affecting the country.

In cooperation with Bolivian helicopter operator HeliAmerica, the Airbus Foundation offered 65 helicopter flight hours to assess the affected areas. The aircraft were also used to actively fight the fires with the help of Bambi Bucket equipment. Between 3–5 September, two single-engine H125s operated by Ecocopter in the Eastern part of the country, dropping more than 500 tonnes of water. The 60 hours-operation contributed to limiting the fires and preventing them from getting into the communities in the area.
Hurricane Dorian

· The Bahamas
· September
· H225

The Airbus Foundation supported emergency efforts through 10 helicopter flight hours for the assessment of affected areas, transport of staff and cargo and transport of IT and telecoms equipment, meeting a request for support from IFRC and taking the rare opportunity to leverage the huge transport capacity of two Superpuma helicopters.

Flooding

· Kenya
· December
· H145 and H130

The Airbus Foundation coordinated an emergency helicopter operation using two H130 helicopters and a H145. The mission was requested by the Kenya Red Cross Society (KRCS) who were struggling to reach villages cut off by extensive flooding.

“
The mission went well and we carried out our objective successfully. The whole team at KRCS is so happy and grateful to Airbus Foundation and Airbus Helicopters for the support that enabled us to reach a community that had been marooned for close to two weeks. We couldn’t have done it without this support.

Safia Verjee
Innovations Manager at KRCS

Top mention named 6D4 engagements

Kenya Red Cross
@kenyanRedCross · Dec 11

Thank you @AirbusFdn for availing @AirbusHeli that enabled us to deliver Non Food Items to 108 households in Iresoora, Isiolo County. Families can now have some relief following 2 weeks of being marooned by floods after Ewaso Ngiro river broke its banks #FloodsResponseKe. pic.twitter.com/egywS5L4CH
Annual Report 2019

Helicopter Emergency Medical Service Training

In 2019, the Airbus Foundation trained 215 doctors and rescuers through the Helicopter Emergency Medical Service (HEMS) programme in partnership with the Fondation Académie de Médecine (FAM), enabling them to deliver emergency medical services around the world. 80 trainees participated in the workshop in China, 35 trainees took part in India and 100 trainees attended in Indonesia. Over the years, over 1,100 professionals have benefited from this programme, whose impact and reputation keep growing.

"The training sessions were very interesting and helped us acquire knowledge about HEMS and its implementation.

Muthu Venky
Indian emergency doctor"

"In our outreach, we meet with hospitals and organisations to explain the vital role that HEMS can play, especially in regions with heavy traffic on the roads, remote areas and large distances to hospitals.

Ralph Setz
Airbus Helicopters Coordinator for HEMS training"
In 2019, Airbus Foundation responded to 18 separate requests for satellite imagery. With the support of the Connected Intelligence programme by Airbus Defence and Space, the Airbus Foundation also significantly extended the range of products and services offered to our humanitarian partners. This included new types of imagery, such as radar, digital elevation models (for which there was one request in 2019), photo-interpretation analysis support and two bespoke training sessions to increase the in-house capacity of organisation to understand and analyse satellite imagery. In addition, the Connected Intelligence team extended its licenses for use not solely in crisis management but also for crisis prevention, mitigation and resilience.

The satellite imagery provided to Action Contre la Faim (ACF) to conduct biomass analysis for famine prevention is a good example of the new opportunities offered by this service; meanwhile, the high-resolution images from the radar satellite were used by the Kenya Red Cross Society (KRCS) to find the best solution to access flooded areas and provide support to the Kenyan population. The two training sessions – for ACF and the UN’s World Food Program (WFP) – included product information, access to the NGO portal, remote sensing and image processing, emergency response and crisis management. They were very well received and generated interest in additional training for further capabilities.

“I’ve been working with a wide range of different remote sensing products available and with the kind support from Airbus Foundation, we believe we will be able to utilise the services in the future, especially during major disasters. The team, including myself, thoroughly enjoyed learning more about the basics of remote sensing, different sensors and the tasking services. If possible, we welcome opportunities to conduct similar training in the future, either here at HQ or with a webcast to a wider audience covering our regional and country offices.”

Lara Prades
GIS analyst at the UN WFP
The Airbus Leadership University (ALU) has offered places on its courses and programmes to the International Federation of Red Cross and Red Crescent Societies (IFRC) since 2017. Places were offered to 20 IFRC employees in 2019 and feedback highlighted that the diverse working contexts of Airbus and NGO employees make for a rich exchange around all leadership challenges. Despite the anticipated differences of public and private sector work environments, participants come to realise that they all face the same challenges, such as the gap between the promoted organisational culture and day-to-day practice.

Discussions were held with Action Contre la Faim (ACF) and the UN’s World Food Programme (WFP) to further extend the offer of places to these NGOs in 2020. The Foundation has also started discussions with the AirBusiness Academy to extend the portfolio of training services available to our partners to include topics such as design thinking and collaborative approaches to innovation management and these sessions will be available from 2020.
The following activities, although not coordinated through the Airbus Foundation, also took place in 2019:

A400M flights with the UK’s Royal Air Force and the Turkish Air Force were used to support relief operations in Mozambique.

A C295H operated by DAC Aviation was used by the UN World Food Programme to conduct daily missions transporting food, basic hygiene kits, water purification equipment and medicines to Mozambique.
The Humanitarian Challenge ran from 30 April to 28 July 2019. An amazing amount of imagination and creativity on the part of Airbus staff went into organising all kinds of fundraising activities.

Thanks to the efforts of Airbus employees worldwide, over €70,000 was donated to two NGO partners: Action Contre la Faim (ACF) and the International Federation of Red Cross and Red Crescent Societies (IFRC).

In September 2019, 10 lucky winners of a lottery draw of participants from the 10 most successful events took part in a week of immersive volunteering in Kenya working alongside Airbus Foundation partner, The Travelling Telescope. The trip was intense and fulfilling, with the Airbus employees and The Travelling Telescope team sharing their passion for science, technology, engineering and maths with 2,800 children across four rural schools.

The team also distributed 12,500 tree seed balls, in collaboration with, Miti Alliance, a Kenyan grass-roots organisation in a country with just 7% tree coverage, the association aims to plant one million trees in rural communities to help combat deforestation and the adverse effects of climate change.

The Airbus Foundation is continuing its partnership with The Travelling Telescope and supporting the Kenyan communities within which the association operates.

Feedback from participants was overwhelmingly positive, indicating that the Humanitarian Challenge was highly appreciated, with 96% noting that they would take part in such a campaign again.

Along with the unique support the Airbus Foundation offers to ACF, your engagement is a strong sign that we are all committed to building a world free of hunger. Many thanks for this powerful proof of solidarity and hope for the populations and communities we work with.

Jean-François Riffaud
CEO of Action Contre la Faim (ACF)

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Jean-François Riffaud
CEO of Action Contre la Faim (ACF)

Melker Mabeck
IFRC’s Director of Partnerships and Resource Development

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Jean-François Riffaud
CEO of Action Contre la Faim (ACF)
Our interactive youth development programmes have so far reached over 19,329 young people across the globe, and we have leveraged the support of almost 2,400 of our passionate employee base. In partnership with Autodesk and ESA, we are continually expanding our digital STEM platform, Airbus Foundation Discovery Space. On track to launch its third series of content entitled ‘Future of the Skies’ in January 2020, the Discovery Space platform is refining its implementation strategy to include embedding the platform in science centres around the world.

We have also continued to expand our Airbus Foundation Flying Challenge and Airbus Foundation Little Engineer programmes, which have met with positive feedback from those involved. This includes seeing increased self-confidence, school-attendance and interest in STEM subjects from participants around the world.
The Airbus Foundation Flying Challenge is active across 10 countries and 25 sites. In 2019 more than 1,990 young students (AFC and Telemaque) and 652 employee volunteers (AFC and Telemaque) were part of the programme. Over the years, almost 2,000 Airbus employees have supported 4,985 students.

The impact study conducted at the end of 2018-2019 shows an overall improvement in the students’ soft skills and their approach to their studies. For example, in Mobile (US) school attendance increased for 60% of the students, in Spain 78% of students improved in confidence and self-esteem, while in Munich (Germany) 93% had better grades. In Toulouse (France), 70% of students gained a clearer picture about their future vocation and 89% of students in Itajubá (Brazil) became more engaged in learning.

The programme has been operating for some time in France, the UK, Germany, Spain and the US, with the 2019/2020 edition seeing new sites come into the fold.

“It made me grow and see that the company I am proud of can influence humankind for the better!”
Munich/Hamburg mentor
Germany

“To me, the Airbus Foundation Flying Challenge is a really great tool to strengthen self-esteem and self-confidence. As a manager, I advise people who lack self-confidence to get involved in the programme. All those who have done so are happy with their commitment, and their transformation is noticeable.

One of the students who joined the Flying Challenge had a big problem with absenteeism. At the end of the year, absenteeism is no longer a subject, nor even is lateness.”
Toulouse mentor
France

“...”

Airbus Foundation Flying Challenge

25 sites in 2019
1,990 young students (AFC & Telemaque)
652 employee volunteers (AFC & Telemaque)
The Flying Challenge touched down at its first Defence and Space site in the UK with a programme launched in partnership with The Thomas Alleyne Academy in Stevenage, and in the South of France, Airbus Helicopters at Marignane also launched its first programme in partnership with the Fondation Agir Contre l’Exclusion. Meanwhile, the Flying Challenge was launched at another US site, with the programme kicking off in Atlanta.

Thanks to a partnership with the Young Falcons of Korea (YFK), the Flying Challenge was launched at this year’s Seoul International Aerospace and Defence exhibition (ADEX), making South Korea the first country in the Asia-Pacific region to launch this programme. Working with the Fondo Unido—United Way, Mexico became the second country in Latin America (alongside Brazil) to participate in the Flying Challenge. Last but not least, Canada also joined the ranks with the launch of the programme in Mirabel, Quebec.

"I want my mentors to know that they made me feel like I matter.
Mobile mentee
U.S.A.

The programme helped the students follow through by setting, re-evaluating and pursuing goals.
The Flying Challenge allows the students to experience things that they would otherwise not be able to experience.
Mobile mentor
U.S.A.

The Flying Challenge has been a very rewarding scheme and has given me the experience of dealing with different people and situations. This has built my confidence in the workplace. I have also learnt leadership skills, which has been really beneficial when running meetings of my own. I have loved watching all the individuals grow and become more confident in themselves. I have seen some individuals pushing themselves outside their comfort zones and they have said that they did that due to the support that everyone involved has given. They have also had an opportunity to see where STEM can lead them.
Bristol mentor
UK
The Airbus Foundation Little Engineer (ALE) programme continued to expand in 2019. The following shows the key figures for the year:

- **6,329** students engaged
- **14** active countries
- **25** countries to date
- **42** employees engaged
- **209** schools or partners engaged
- **14** years average age
- 44% of students who reported that they learned something new
- 56% of students who reported that they wanted to pursue STEM after the workshop
- 93% of students who reported that they learned something new
- 80% of students who reported that they wanted to pursue STEM after the workshop
The 2019 highlights include:

The ALE programme was launched in Botswana, Nigeria, Senegal, Pakistan and Australia. For the latter, employees from Singapore trained the new ALE trainers. A new way of working was also employed in the Philippines, where the partner offered a more compact delivery of the sessions, travelling across the country in five months to conduct workshops. Here, the programme has reached more than 1,500 students.

Sally Gatei of The Travelling Telescope, the ALE partner in Kenya, underlined the programme’s social impact:

“This year, we worked with 40 schools in Kenya, covering five counties. It has been very beneficial to the students, especially in rural schools. Most school principals requested a follow-up, with some requesting to do it for more than 36 students since they felt it only targeted a ‘drop in the ocean’ regarding the number of students in their schools. I believe that this programme is making a positive impact and influencing students to take STEM subjects. I noted a greater interest this year, with some schools having been referred to us by schools that benefitted last year. I must say that it would be key to continue with the programme in Kenya and try to reach more schools.”
Moon Camp Challenge

Over 850 students participated in this year’s competition, with a total of 12 winning teams selected by a panel made up of ESA, Autodesk and Airbus Defence and Space experts. The winners took part in a webinar with ESA astronaut Tim Peake in May; they also received school mentoring sessions from space experts as well as 3D printers for their schools, among other prizes.

Tim Peake offered these words of encouragement:

"Huge congratulations on being winners of this amazing challenge. I think the work that you’ve done is great! Keep it up. We need bright young scientists and engineers, astronauts and explorers in order to make all of these challenges become a reality."

Since the launch of the Discovery Space, over 1,500 students from 25 different countries (60% of them from Europe) have taken part in Discovery Space design competitions.
The second of three series from the Discovery Space, Science of Flight, was published at the beginning of the year and created with the help of the Airbus Flight Physics team. Science of Flight explores the ups and downs of helium and hot air balloons, looks at how nature has designed birds as the perfect flying machines, and explains how aircraft and helicopters are designed to take to the skies.

Since its launch last year, the Airbus Foundation Discovery Space animations have been viewed over 255,000 times on the internet and downloaded by educators from around the world through the website.

November saw the release of the latest series of Discovery Space, which explores the future of aerospace. The first overarching story investigates the future of factories, cities, aviation and space.

In the coming months, Airbus experts will work together and create mini-series on how specific technologies (e.g. AI, big data, IoT, quantum computing) will contribute to the future of aerospace, as well as explore all the challenges this might cause. In addition, the Airbus Foundation is starting to work with educators to develop simple, age-appropriate activities for teachers and parents to use.
During 2019, its second year of full operation, the Airbus Foundation Discovery Space, now STEM Discovery Centre, continued to go from strength to strength. Engagement grew with schools from the local area and further afield: between 1 November 2018 and 31 October 2019, 93 pre-booked school groups engaged with the Centre, bringing some 3,673 visitors from schools and 266 from colleges. Of these, 47.6% were female and 20% came from a disadvantaged background. The Centre has also reached 2,500 students through outreach activities via attendance at schools or external events, such as the Big Bang East. All of the schools involved gave positive feedback.

"Every single child, regardless of gender, age or ability, was engaged and immersed from the moment we entered the building."
Year 3 & 4 teacher
St. Giles C of E Primary School

"An engaging day, with wonder and enlightenment about the stars, space and beyond. Hands-on science opportunities which link to national curriculum in the STEM subjects."
Year 6 teacher
St Mary’s C of E Primary Academy

The Airbus Foundation Flying Challenge programme is being hosted at the STEM Discovery Centre, run by Airbus employees, providing additional support, inspiration and engagement in STEM for local children at risk of social exclusion. Other activities at the Centre include weekly STEM Sessions, Space Saturday events (four were held in 2019), one-day sessions for girls’ schools and events for international, gifted and talented students. The Centre also attracts a number of home-schooled children.

"I learnt about Mars and the robots. I hated science but you made me love it."
Year 5 student
Trots Hill

"I love it here and it was so fun. I have learned a lot of things and there are lots of things to do here."
Key Stage 2 student
Pirton (Key Stage 2 covers Years 3-6)
The Explorers Centre, which is based at Airbus Defence and Space’s Ottobrunn headquarters, introduces children to the exciting world of aerospace. Launched in October 2018, the Centre teaches coding, science, mathematics and engineering skills to children aged 6 to 12.

A total number of 1,072 children visited in 2019 (49.3% female), taking part in 50 workshops, with six volunteers giving 66 hours of their time. The activities are conducted in cooperation with an external partner, HABA Digitalwerkstatt.

One of the best things about running the workshops for me is what the children actually teach me – it encourages curiosity and to look at things differently... with the ‘eyes of a child’!

Lisa
Trainer at the Airbus Foundation’s Explorer Centre in Ottobrunn

We are pleased to be able to reach more children with digital education, especially in rural areas, in cooperation with the Airbus Foundation. The workshops, which always address digital media and the topic of space travel, are very well received by both children and teachers.

Lena-Carolina Eßer
HABA Digitalwerkstatt
The Airbus Biodiversity programme has the objective of promoting clean energy technology in the form of biogas plants among tribal communities. Not only does this project have a quantifiable environmental impact, but it also provides such communities with an economic model that allows them to sustainably generate an income, while responding to their basic energy needs.

This year, 3 families were beneficiaries of biogas units, while 52 biogas units and 52 cowsheds have been constructed across 11 tribal villages throughout the whole duration of the programme. The 52 units combined represent a total reduction in CO₂ emissions of about 580 tonnes per annum.

The project has also had a beneficial impact on women within the tribal communities. Women play an important role in such communities and can manage their cattle and biogas units without relying on others. The assumption of responsibility for the management of an integrated biogas unit which has significant economic, ecological and technological dimensions gives female beneficiaries a sense of ownership and provides them the freedom and space to take important family decisions.
By the end of 2019, seven plasma units had arrived in Nairobi, with KRCS commencing civil works for three of the units. Installation in December was followed by testing for functionality, feasibility and community response, with AIC Technologies visiting Kenya for installation and on-ground testing. After two months’ assessment, installation work for the remaining four units will commence in 2020. Meanwhile, the county authorities and ministries have been engaged and made aware of the project deliverables.

Communities at the three sites have also been engaged through hygiene and sanitation sensitisation sessions alongside building long-term awareness around safe and unsafe water.

Kenya Red Cross Society (KRCS)

Following the signature of a one-year MoU between the Airbus Foundation and the KRCS, capacity building activities are ongoing across several areas, as outlined below.

1. H²OPE: Portable Water Sanitation System

By the end of 2019, seven plasma units had arrived in Nairobi, with KRCS commencing civil works for three of the units. Installation in December was followed by testing for functionality, feasibility and community response, with AIC Technologies visiting Kenya for installation and on-ground testing. After two months’ assessment, installation work for the remaining four units will commence in 2020. Meanwhile, the county authorities and ministries have been engaged and made aware of the project deliverables. Communities at the three sites have also been engaged through hygiene and sanitation sensitisation sessions alongside building long-term awareness around safe and unsafe water.
2. Youth development

The K RCS youth development plan is based on the Airbus Foundation Little Engineer (ALE) and Airbus Foundation Discovery Space (AFDS) programmes, and these programmes are scheduled to be deployed in four counties in January 2020.

3. Innovation Lab in Lamu

The aim of the Innovation Lab is to enable residents of Lamu – local businesses, young people and the patients in the adjacent K RCS Lamu Rehab Centre – to innovate and design solutions that address challenges faced by their community, such as boat making, wood carving and everyday utility issues. In collaboration with Airbus ProtoSpace, we offered K RCS expert advice and guidance on what to include in the Lab’s set-up.

4. Mobile Rescue Station

K RCS has an ambitious vision for the mobile rescue station to use it as a mobile hospital for roadside accidents. While the ‘off-the-shelf’ solution from Airbus doesn’t currently feature medical equipment, K RCS has recently entered into a partnership with the Philips Foundation with a focus on medical equipment. As such, the two foundations met to discuss potential synergies and collaboration for the benefit of emergency response.

5. Unblur

The Airbus Foundation received a presentation from Unblur, a start-up hosted by Airbus BizLab in Madrid, in March 2019. Unblur develops technology using real-time and historical data to aid decision-making by emergency services. Unblur is also a key partner in the Airbus Helicopters ‘LifeSaver’ project. Here, a pilot phase is due to be launched in Thailand focused on the development of an air ambulance service for the national government. The Airbus Foundation introduced Unblur to K RCS, as the latter is seeking to develop an air ambulance division.
innovation
The Humanity Lab has been working on a specific project for the humanitarian organisation Medair — whose mission is to tackle malnutrition, often in extreme locations — with the Lab helping to develop robust and portable baby weighing scales that could be used among remote communities.

The Humanity Lab also continues to develop solutions which benefit the activities of Airbus Foundation’s humanitarian partners. Three new programmes have been submitted to the Lab by Field Ready, an NGO that provides humanitarian and reconstruction aid by transforming logistics through technology and design and engaging affected populations in new ways. A call for volunteers was launched internally at the start of November 2019 to involve employees via one of these three projects:

- **Shelter Winterisation Project** to provide insulating material for semi-permanent refugee housing structures in high elevation areas, using the innovative Polyfloss plastic recycling process.
- **Injection Mould for Medical Kit**, creating a low-cost, effective, reliable and robust kit that can make from 10 to 20 frequently-used, small plastic medical implements for rural clinics.
- A project to give a second life to almost-dead car batteries, enabling communities in remote areas to access electrical energy.

The Airbus Foundation has made a meaningful contribution to my professional activities. Thanks to the partnership established between the Humanity Lab and the Foundation, we are able to put the ProtoSpace users’ creativity and expertise at the service of the humanitarian community through multiple innovative projects. They are leading to replicable solutions on the field that contribute to saving lives.

Christophe Debard
Head of ProtoSpace, Toulouse