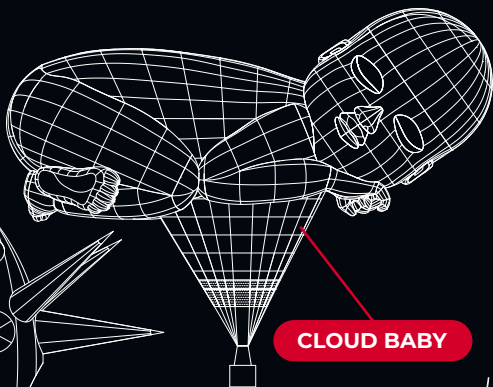
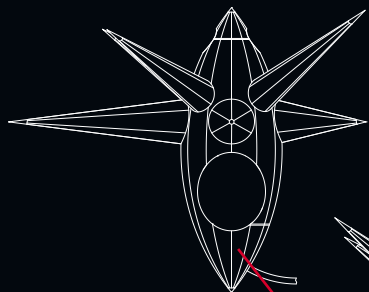


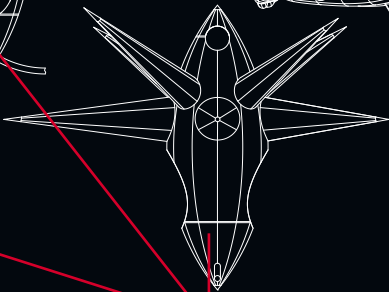
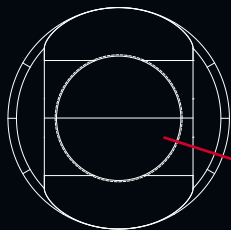
CAMERON

FABRIC ENGINEERING

CAMERON
FABRIC ENGINEERING

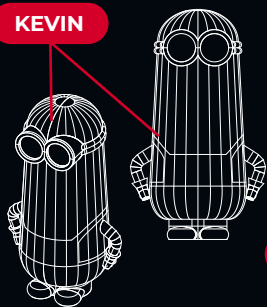


CLOUD BABY

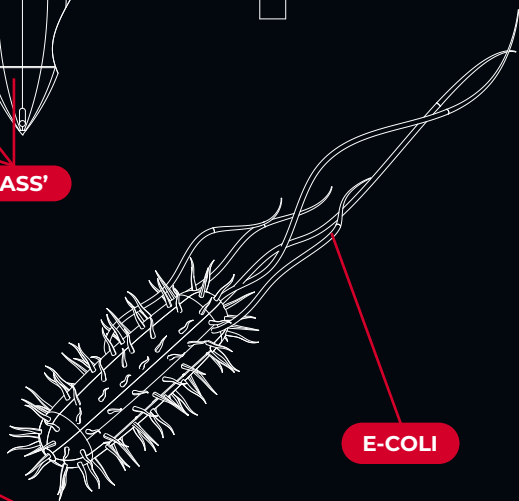


'MASS'

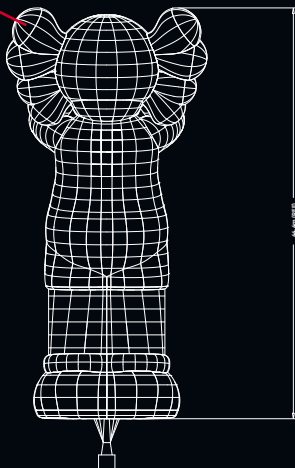
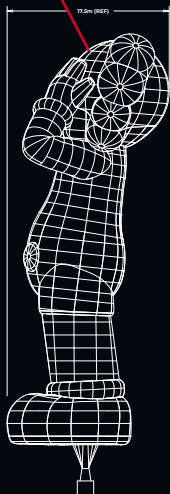
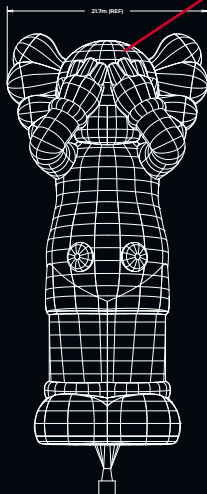
KEVIN



KAWS



E-COLI



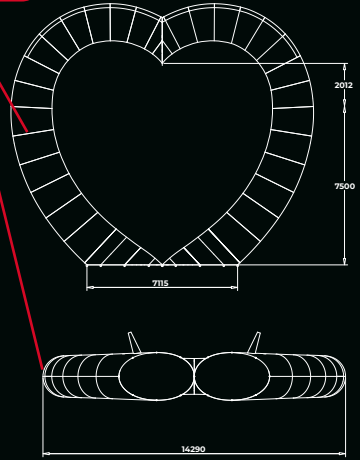


3rd Angle projection

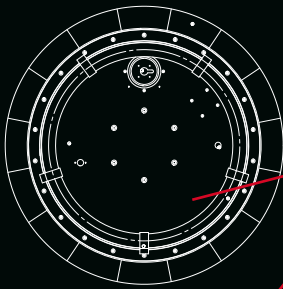


LOVEART

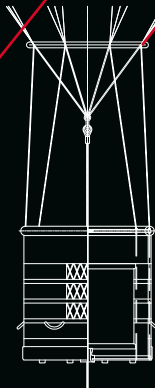
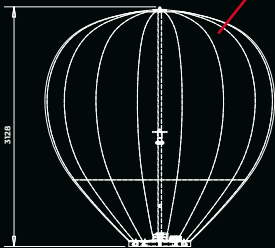
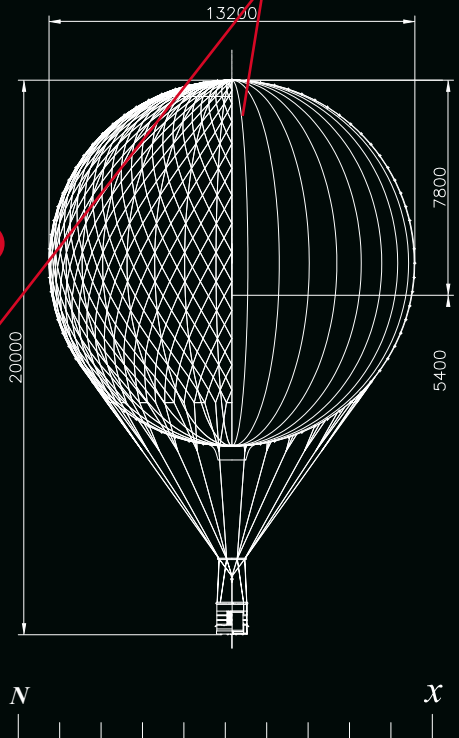
BREITLING ORBITER 3



BREGENZER FESTSPIELE



THATCHERS







▲ MASS | ARTIST STEVE MESSAM | RAILWAY MUSEUM, YORK

1

WHO WE ARE

Our technical ability comes from over 40 years of research and development in the art of designing with fabric.

**Everything is built to
aerospace standards.**

Established in 1982, we continue to innovate within our diverse industry with in-depth and realistic expertise.

Safety and excellence are at the core of what we do and how we develop our pioneering products.

2

BREITLING ORBITER 3

Built by Cameron Fabric Engineering, the Breitling Orbiter 3 achieved the first successful nonstop circumnavigation of the Earth in a Rozière balloon.

It was a hard-fought race, with many teams from around the globe competing for the title of world first. But it was the Bristol-made balloon that crossed the finish line ahead of the others.





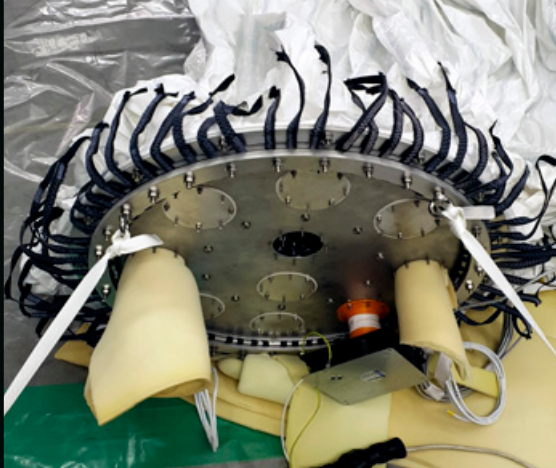
Swiss aeronaut Bertrand Piccard and British balloonist Brian Jones took off from Château-d'Oex on March 1st 1999 and crossed the finish line in the Egyptian desert 19 days, 21 hours, and 47 minutes later. They travelled 45,633km (28,355 miles).

Made in Bristol at the Cameron Fabric Engineering factory, our Rozière 650 balloon combined hot air and helium for lift and endurance.

The gondola was designed for high-altitude conditions and contained living quarters and life support equipment.



▲ ROUND THE WORLD PROJECT - CAPSULE INSTRUMENTS



▲ COMPOSITE FILM BALLOON - BASE PLATE ASSEMBLY



▲ PARACHUTE FILMING | GRAVITY



▲ YOKOHAMA SPHERE



▲ 425 TETHERED AEROSTAT



▲ LUNA ST PREX INSTALL



BP EXPLOSION MITIGATION BARRIER



HELIUM FILLED WIND TURBINE | MAGENN POWER



CHANGING SCREENS

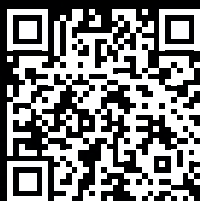
We build lasting **relationships** with our clients, working together **efficiently** and **effectively**, creating **outstanding** results.

3

WE DESIGN SOLUTIONS

We create bespoke fabric solutions for diverse sectors, including technical uses, theatre, TV and film, agriculture, environmental projects, events and festivals, advertising, marketing, corporate events, healthcare, and military needs.

Our expert team work closely with clients to design and manufacture innovative, high-performance fabric products that meet the unique demands of each industry.



WATCH IT IN ACTION





4

BREGENZER FESTSPIELE: RIGOLETTO

The Bregenz Festival is an annual summer performing arts festival held on the shores of Lake Constance in Austria. In 2019/20, the festival presented Giuseppe Verdi's classic opera 'Rigoletto', which was met with critical acclaim and high attendance numbers.



▲ PHOTO RALPH LARMANN

With an annual budget of €27 million, this internationally renowned festival is known for delivering spectacular stage designs, costumes and productions.

The **creative** team wanted a fully functioning, **certified, tethered** gas balloon.

It was **central** to the production; with **actors** performing from the **basket**.



▲ BEHIND THE SCENES / TESTING THE LIGHTING RIG

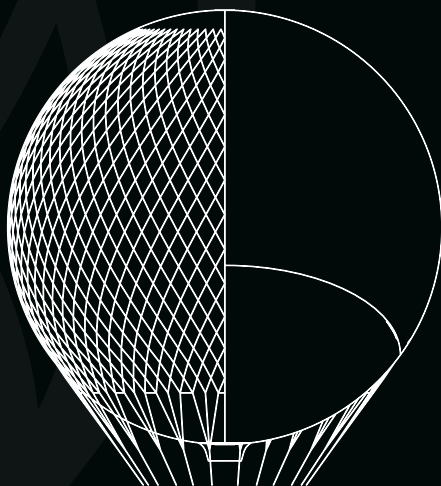


▲ PHOTO KARL FORSTER

The gas balloon needed to be certified to Civil Aviation Authority standards, display a fully printed artwork and contain 360° RGB internal lighting.

The biggest challenge we faced with this installation was designing a product that could work in such an exposed environment such as Lake Constance.

The festival recorded 250,000 visitors; an increase of 7.5% from the previous year, with 63% of attendants from Germany and 23% from Austria.



▲ SCHEMATIC OF THE BALLOON SYSTEM

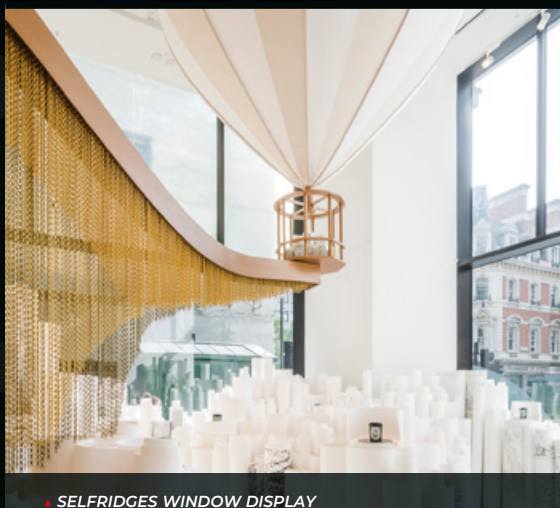
Altitude film balloons, gas-filled aerostats, a **flying island**, a 4-storey robot, a tunnel of artistic sound, an **on-stage extravaganza** or perhaps a roof for a theatre space?

We can help!

5

YOUR VISION COME TO LIFE

We work closely with artists, and brands, to bring their vision to life. From 'sketchbook ideas' to research, development and design production, as well as offering training, support and installation, we are on hand for every stage of the project.

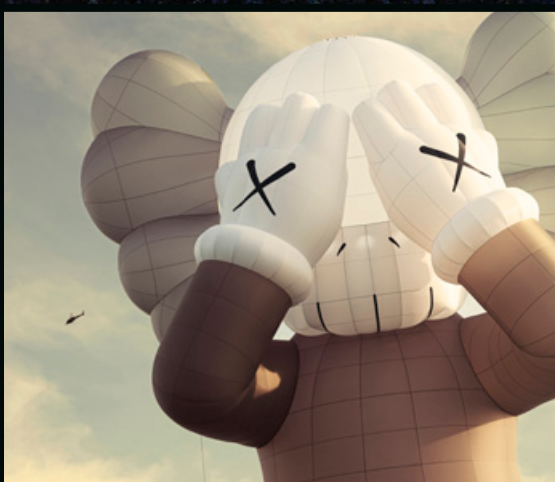




▲ MUSE



▲ BURBERRY HEATHROW INSTALLATION



▲ KAWS



▲ E.COLI | LUKE JERRAM



▲ FLOATING ISLAND



▲ MINIONS GROUND INFLATABLE

We work **alongside** you to develop the **right materials** that will perform best for your **specific needs**.

6

BESPOKE TO YOUR NEEDS

We specialise in designing fabric solutions tailored to each project's unique requirements. Our approach combines sourcing high-performance fabrics and collaborating with suppliers to develop custom materials. We work with polyester, nylon, Dyneema Composite Fabrics (DCF), coated fabrics, multilayer textiles, and fire-retardant materials. This versatility allows us to deliver optimal performance across diverse applications, including airtight and gas-tight aerostats, protective coverings, and filtration systems.



▲ THE PLOTTER CUTTING FABRIC INTO GORES



▲ A MACHINIST SEWING FABRIC



▲ THE FINAL PRODUCT | PHOTO BY THATCHERS

7

THE PROCESS

1. DEFINITION

We begin by gaining a full understanding of your needs through an initial consultation, allowing us to build a complete and detailed picture of your requirements.

2. CONCEPTS

Next, we develop a workable concept. Our Engineers get to work on finding the correct path forward, ensuring they meet your timescales and budget.

3. APPROVAL

Your dedicated team member will ensure that everything we've proposed meets your specific requirements.

4. INSTALLATION

We offer on-site installation support for those that need it, to ensure everything is setup perfectly and to your specification.

5. AFTERSALES

Our dedicated Aftersales team help support your needs, even after the project is finished.





WATCH IT IN ACTION



▲ DON'T LOOK DOWN | EISA BAKOS | RED BULL CONTENT POOL

8

RED BULL: DON'T LOOK DOWN

When Kriss Kyle first dreamt his Don't Look Down project, little did he know the level of aeronautical engineering that would be required to turn his fantasy into a reality.

**Imagine riding a
skatepark up in the air.**

Working in conjunction with the team at Red Bull Advanced Technologies, Cameron Fabric Engineering helped to push the boundaries of BMX riding.

CASE STUDY

17 |



▲ PHOTO DAVE MACKISON | RED BULL

A Z-600 was commissioned for the project, which was strengthened to allow the bowl to be suspended from the mouth of the balloon and hang closer to the basket – a great advantage for landing.

Red Bull Racing designed the bowl in conjunction with Cameron, Kriss and a skatepark building team to ensure the bowl was light, strong and compatible with the balloon.

Preparing, flying, and landing this balloon is quite an operation, not for the faint-hearted.



▲ PHOTO DAVE MACKISON | RED BULL



▲ PHOTO EISA BAKOS | RED BULL

To start, the balloon was inflated then towed back over the bowl, enabling the suspension rigging to be attached.

Then, the balloon ascends out of the bowl; the wires go tight, and with a huge amount of burning, the whole assembly “Balloon and Bowl” rises into the air.

Once airborne, Kriss was lowered by winch to begin his ride and, with the basket shaking from movement, he is filmed by two helicopters and a drone.



▲ PHOTO EISA BAKOS | RED BULL



9

WE LIKE A CHALLENGE

CREATORS OF **RECORD-BREAKING** BALLOONS

We have designed and built balloons for milestone flights, including Breitling Orbiter 3, the first balloon to circumnavigate the globe nonstop.

PIONEERS OF SPECIAL SHAPE BALLOONS

Leading innovators in creating complex, eye-catching custom designs, including countless iconic brand promotions.

ADVANCED FABRIC ENGINEERING

Cameron Fabric Engineering supplies high-performance textile solutions for aerospace, architecture, and industrial applications, ensuring durability and precision.

SUPPLIERS OF **FABRIC PROJECTS** FOR FILM & TV

Providing expertly crafted balloons for major productions, including Disney Pixar's 'Up' and other high-profile cinematic and commercial projects.



**Let's start something
great together.**

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ISSUE

