BOVE | PERSPECTIVE SECTION Section of Spaceport Cornwall Vectorworks + Photoshop



VIRGIN GALACTIC: SPACEPORT CORMUNALL

newquay, uk. planet earth

'SPaceport'

noun

A base from which spacecrafts are launched.

mission

For years the design of so called 'non places' (Augé 2008) such as airports and transport hubs have been primarily focused on getting people from A to B. Space Tourism presents itself with a new issue for designers to solve, what happens when the journey itself from A to B becomes the experience? And what would this mean for the spacport...

BRIEF

The Space Tourism industry has grown exponentially in the past few years with the first fully crewed spaceflight from Virgin Galactic in July 2021, closely followed by successful flights from competitors Blue Origin and Space X. With the UK still to meet it's goal of opening a spaceport by 2018, if we wish to contend in the 21st century space race we must begin planning and questioning current spaceport infrastructure and design with a sustainable yet creative approach to become 'the most attractive destination for spaceflight in Europe.' (UK Space Agency 2021)

RIGHT Map of shortlisted UK aerodomes for potential sub-orbital operations

CORNWALL AIRPORT NEWQUAY

WHAT IF... THE SPACEPORT ITSELF BECAME THE DESTINATION?

BRAND

ALIEN HIEROGLYPHICS

WAYFINDING GRAPHICS

SPACE TOURISTS

CONCEPTUAL INSPIRATION

Designing the Gateway to space...

My design will challenge current design conventions as seen in Spaceport America through designing a space that accepts the imagery, look and feel of the space 'genre' created over decades of film and literature. While this will indeed look and feel sci-fi, it will be sensitively incorporated alongside the Virgin Galactic branding and important considerations such as passenger psychology and inclusivity.

Several cues will lead the design of my spaceport. The first would be 80 degree angles in the design of my angular architectural insertions to reflect the spacecrafts launch angle. The second being Malevich's influence with the design and placement of my architectural insertions. The final design cue stems from my experimental question... 'what if aliens operated my spaceport?' looking at crop circles and the question of their alien origins.

> PLANET EARTH TEXTURE

ALIEN LIGHTING LIGHTING astronaut designer ASHLEY JAME<u>S POWELL</u>

шHат IE...

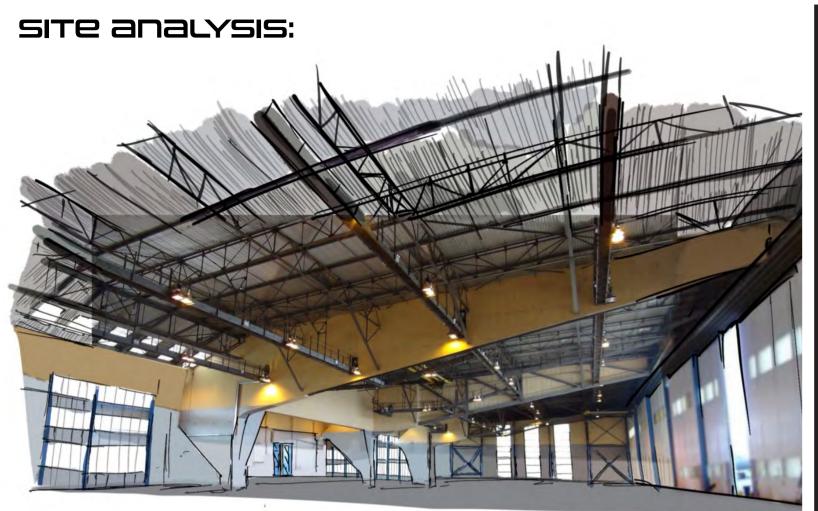
OPERATED MY

SPACEPORT?

allens

As a designer, I am inspired by the role of technology and innovtion that consistently evolves and shapes our daily lives. I believe we have an essential role to ensure user focused design remains at the forefront.

O @ashleyjamescreative



above | site image collage Inside Hangar 404, Procreate







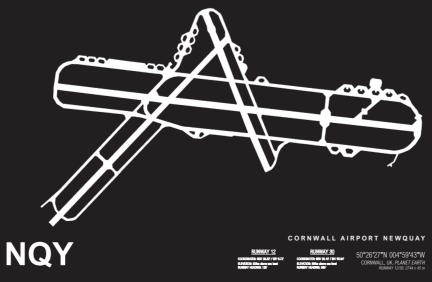
above | site images Existing Use: Museum and Storage





Hangar 404 / SOUTHERN HANGAR 4 / SH4

CORNWALL AIRPORT newouay







BRAND + USER

50,00**0** each

VIRGIN GALACTIC The World's First Commercial Spaceline...

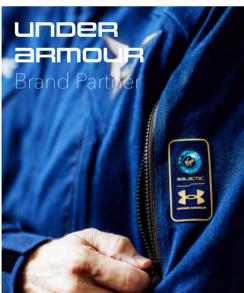
Virgin Galactic aims to become the worlds first commercial spaceline to open space to everyone. They believe that through opening space they can change the world for good through learning, development, and opening people's eyes to the world unlike ever before. This in turn changing people's perspective and how we approach global challenges moving forward through a greater understanding of earths fragility.

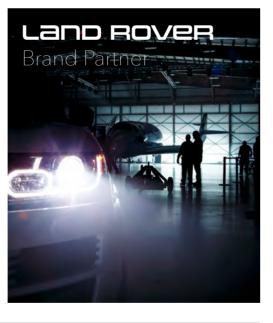
JULY 2021



Late 2022







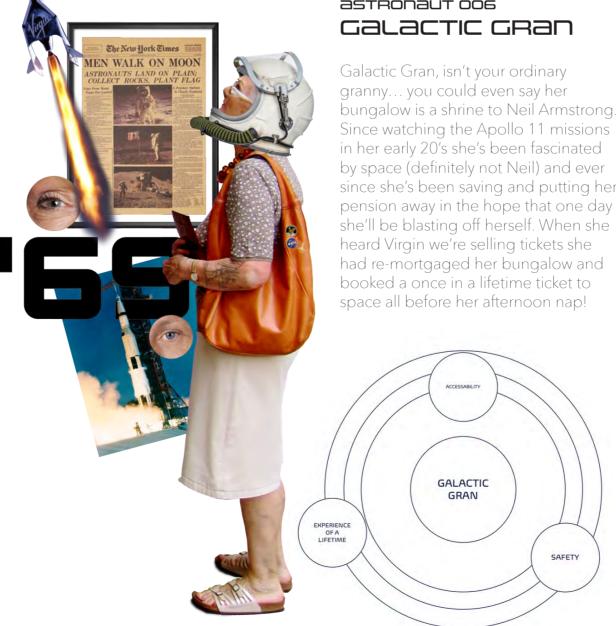
Spaceport Commercial Strategy PUTTING SPACEPORT CORNUALL on the map...

preparing to blast off!

RIGHT | PROMOTIONAL POSTER



ARRIVAL PRIVATE ARRIVAL The New Hork Times **MEN WALK ON MOO**

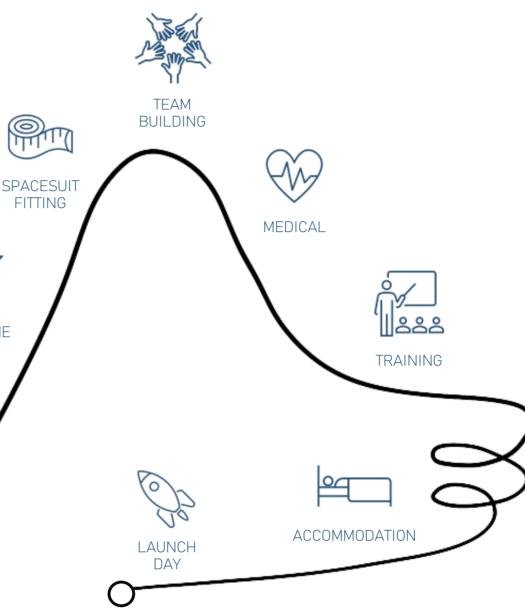


T

WELCOME

DRINK





DAY 3

astronaut oo6

bungalow is a shrine to Neil Armstrong. since she's been saving and putting her

SPaceport **CUSTOMER JOURNEY:**

Astronauts would most likely fly into Cornwall Newquay Airport via domestic flight or by a private chartered aircraft. They would then be transferred to the spaceport via the Range Rover astronaut edition which drive guests into the hangar, right to the front desk for a seamless and effortless journey. Guests would then be checked in and welcomed to the spaceport after undergoing a security check.

The lift is then theatrically illuminated visible through the parting steam cloud venturing up into the bar for a welcome Espresso Martiani. Astronauts would then head to the training centre to be fitted for their bespoke Under Armour spacesuit followed by a group activity in the multifunctional space outside. Over the next three days future astronauts will orientate around the final three stages before taking off to space!

LEFT | CUSTOMER JOURNEY

Spaceport journey mapped onto the Virgin Galactic Flightpath

MEET THE CREW

User Profiles

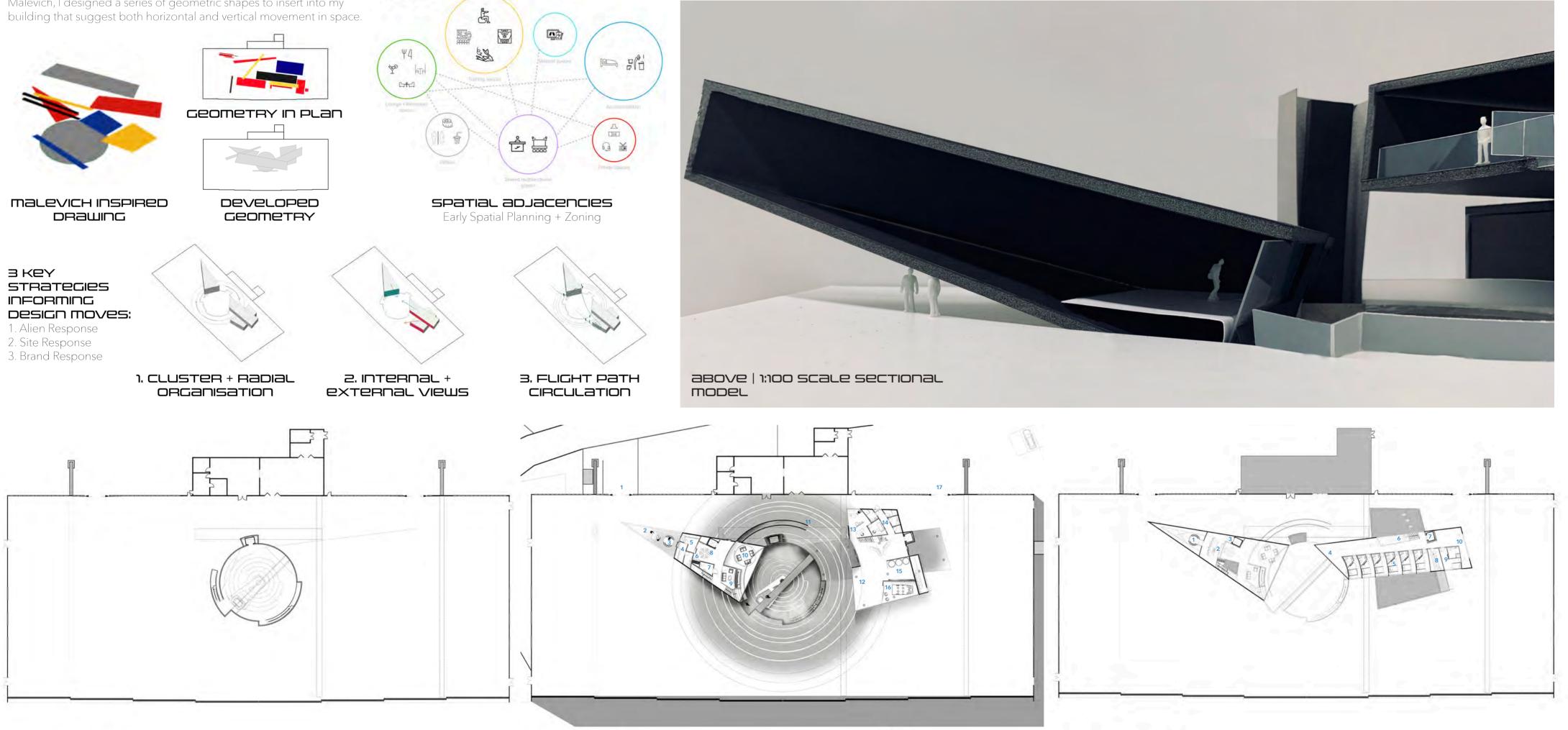
HANS THRILL-LEISURE astronaut 007



Hans is a German billionaire making his money in early investments in bitcoin. Now he spends his days binge watching Star Wars and drinking champagne posting forex trading advice to his millions of Instagram followers which, since booking his flight, shares a daily countdown to his launch day.

STRATEGY:

Drawing inspiration from the Russian Suprematist painter, Kazamir Malevich, I designed a series of geometric shapes to insert into my



LOWER GROUND FLOOR

0 5 10 15 20 M



GROUND FLOOR





UPPER FLOOR

5 10 15 20 M

80 DEGREE BAR espresso martiani



MATERIALITY

'THE WORLD IS YOUR OYSTER'

Metaphors in Materiality

Carefully selecting materials that reflect my the colour palette for the Virgin Galactic branding while also selecting materials that have a strong textural and sensory relationship with place... Earth.

Taking inspiration from the Shakespearean quote which would be used in marketing on alien planets to visit planet earth, my colour material and finish is reflective of that of the oyster. As a native species here in Cornwall it has deep roots to my site at Newquay too. An oysters shell has an alien like presence, from it's an exterior it could be likened to a meteorite from deep space with its rocky, earthy form and tones. However upon further inspection, the inside reveals an ethereal, metallic and iridescent quality that seems out of this world. My concept and materiality will follow this with a exterior created with a palette of coarse industrial materials with a strong focus on texture and form to build a rugged cladding for my structures. Upon stepping into the interior, as like opening the oyster shell, the materials shift to a much softer, more reflective look and feel with an introduction of colour with blues and reds that link to the Virgin Galactic brand but also with spaces inspired by planets such as earth and Mars.

THE 'OUTSIDE' Centrifuge and External Cladding



CENTRIFUGE шасся Clayworks Rammed Earth

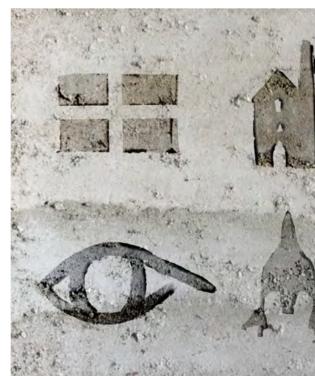


INSTALLATION cladding Kaza Concrete Liquid Forms

STORYTELLING THROUGH HIEROGLYPHICS

Alien Influence to Celebrate Cornish Legacy and Innovation

Hieroglyphics will be engraved into the rammed earth walls illustrating Cornwall's diverse past depicting a series of cultural and historical heritage sites while also presenting Cornwall as a new emerging world leader in the 21st century space race.







THE INTERIOR

Training + Medical Centre and Sky Lounge

DKCN 40 Glossy







TRAINING + MEDICAL CENTRE

LIGHT Nura 2 Suspension Light by Carpyen. **FLOOR** Sepia Energetic Forbo 51243 vivid snow. **SOFA** Kaleido by Kastel Antimicrobal treated fire resistant fabric lower D423 Upper post consumer recycled polyester D42R. **TEXTURE** Delft Ash O&G's Signature stain for bespoke Virgin Galactic floor piece. COLOUR Galactic Cobalt WGSN Key colour trends A/W 23/24

SKY LOUNGE NEW SPACE AGE NOSTALGIA

LIGHT Eye in the Sky H1 by Ilfari - 'Cosmic retro shapes float through the air like a star does in space'. CEILING Bencore Auminium Foam. SOFA Moon System by B&B Italia. **RUG** Ripples Carpet - Round 250 Ripples in Silver by Moooi. **IMAGE** WGSN: Walls & Floors: Forecast Trends 2023 - Neo Design Collective