TWENTY YEARS FROM NOW YOU WILL BE MORE DISAPPOINTED BY THE THINGS THAT YOU DIDN'T DO THAN BY THE ONES YOU DID DO.

SO THROW OFF THE BOWLINES. SAIL AWAY. CATCH THE TRADE WINDS IN YOUR SAILS.

EXPLORE,

DREAM,

DISCOVER.

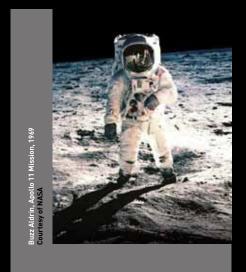
Mark Twain



THE DREAM

THE PACE OF CHANGE

We accept a pace of change that even our most recent ancestors could not have imagined. Almost anything is possible and almost everything is available.



DISCOVERY AND FUN.

Burt Rutan, Founder, Chief Technical Officer & Designer Emeritus



SEE YOUR WORLD TURN UPSIDE DOWN

ied space flight and X Pr cets up to over 360.000ff

We live in an age of extraordinary innovation. Strange then, that putting men and women into space, a pinnacle of human achievement that was conquered almost half a century ago, has remained completely out of reach to the millions who dream of crossing the final frontier.

> It's easy to make promises that this will change, but hard proof is what matters which is why Virgin Galactic is different. We have a new, better and proven way to get to space, one that overcomes so many of the barriers of the past.





THE REALITY



THIS IS NOT THE END... BUT IT'S A VERY GOOD BEGINNING.

Burt Rutan on the space flights of SpaceShipOne

THE NEW GENERATION

After the history making flights of SpaceShipOne in 2004, Virgin Galactic was born and work started on creating the world's first commercial spaceline.

Based on the prototype SpaceShipOne, the new generation of Virgin Galactic spacecraft has been designed to provide the ultimate space flight experience.



On December 7 2009, VSS Enterprise, Virgin Galactic's first passenger carrying spaceship was unveiled to the world.

Across the globe, hundreds of Virgin Galactic future astronauts are preparing to turn their dreams into reality.

THE EXPERIENCE



A climb to 50,000ft before a safe air release. A brief moment of quiet then the rocket engine ignites...

After 2 days of flight preparation and meeting with your crew, you're suited up and raring to go. The climb to 50,000ft is marked with quiet contemplation but there's an air of confidence and eager anticipation.

With awe-inspiring power, the spaceship accelerates to around 3000 mph or nearly 4 times the speed of sound.

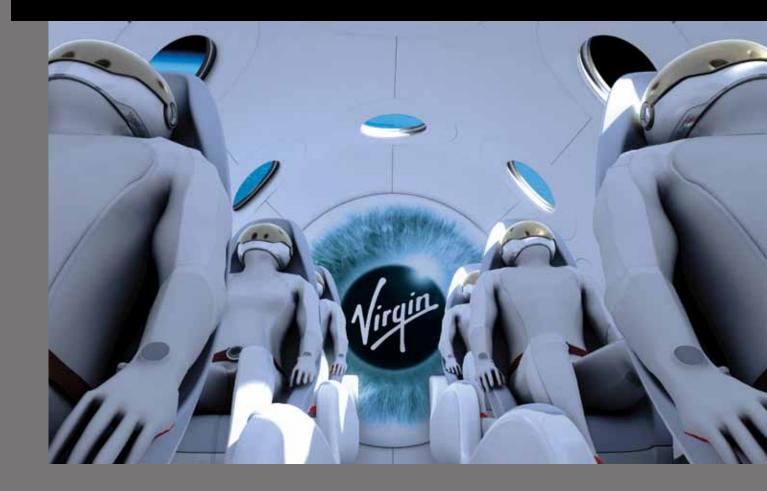
Then the countdown to release, a brief moment of quiet before a wave of unimaginable but controlled power surges through the craft. You are instantly pinned back into your seat, overwhelmed but enthralled by the howl of the rocket motor and the eye-watering acceleration which, as you watch the read-out, has you traveling in a matter of seconds, at almost 3000mph, nearly 4 times the speed of sound.

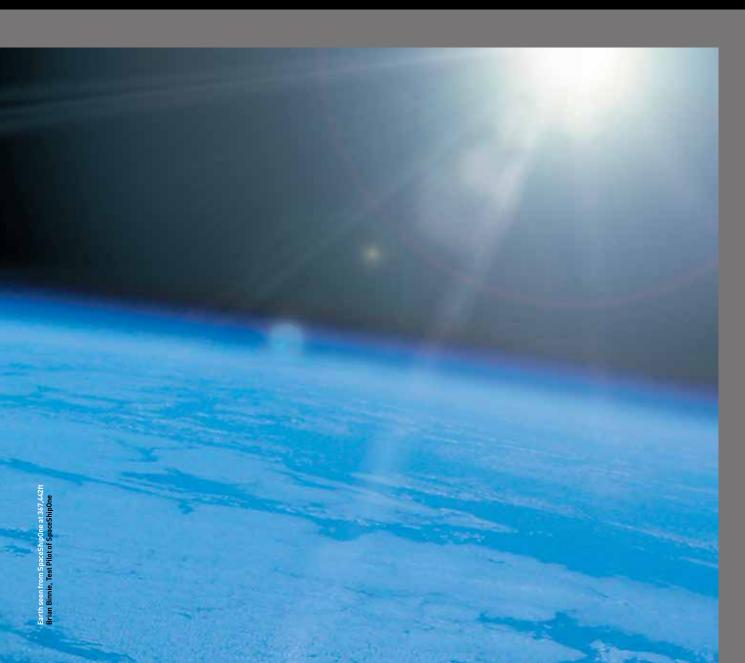
Outside SpaceShipTwo's windows the soft blue atmosphere melts into the black infinity of space.

As you hurtle through the atmosphere's edges, the large windows show the sky turning from cobalt blue to black. You're on a space is awe inspiring. What's really getting high, you're loving it. You start to relax, but in an instant your senses are back on full alert, the world contained in your spaceship has completely transformed.

THERE ARE OVER 6 BILLION PEOPLE ON EARTH, TO BE 1 OF 6 ASTRONAUTS IN SPACE LOOKING DOWN ON THEM WILL BE A VERY SPECIAL THING.

Michiel Mol **Future Astronaut**





The rocket shuts down. Instant silence. Instant weightlessness. Instant elation.

The rocket motor has been switched off and it's not just quiet, it's QUIET. The silence of your senses screaming now though, is that the gravity which has dominated every movement since the day you were born is not there anymore.

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There is no up and no down and you're out of your seat experiencing the freedom that even your dreams underestimated.

After a graceful mid-space somersault you find yourself at a large window. What you see is a view that you've seen in countless images but the reality is so much more beautiful and provokes emotions that are strong but hard to define.

EXPERIENCE THE FREEDO OF ZERO-G



AND I SAY TO MYSELF, WHAT A WONDERFUL WORLD...

Louis Armstrong

A VIEW TO TAKE YOUR BREATH AWAY

The blue map, curving into the black distance is familiar but has none of the usual marked boundaries.

The incredibly narrow ribbon of atmosphere looks worryingly fragile. What you are looking at is the source of everything it means to be human, and it is home.

MAGAZINE COVER...TO TAKE YOL WI SAME, IT IS... WOW.

Brian Binnie Test Pilot of SpaceShipOne

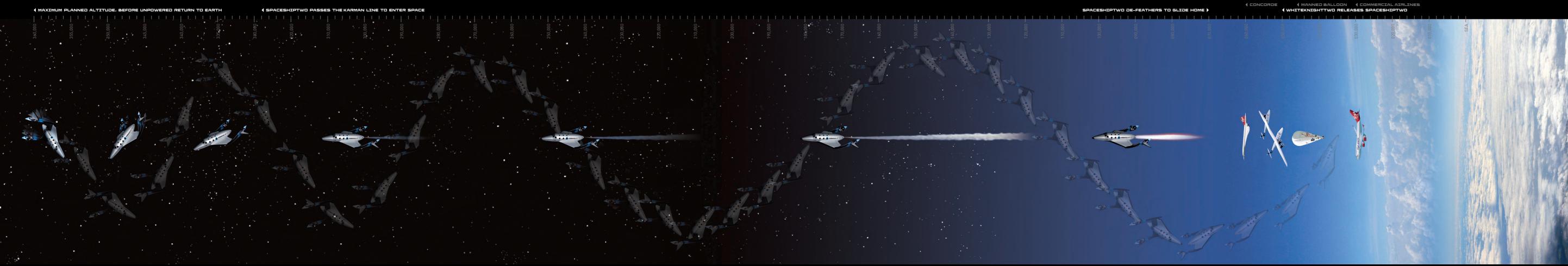
CTR AND ADDRESS

YOU CANNOT APPRECIATE THE EXPERIENCE JUST BY LOOKING AT A JR OWN EYES, EVERYTHING YOU FEEL IN YOUR BODY IS THE

01 02 03 04 05 06 07 08 09 10 11 12 13 14 15 16 17 18 19 20 **21** 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36

CROSSING THE FINAL FRONTIER - HOW HIGH WILL YOU FLY?

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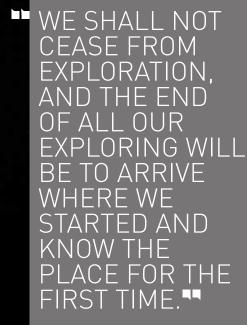
420

Then you're back to your reclined seat and gravity is starting to return. The deceleration produces strong G forces, but you're lying down to ease the intensity. You feel the feathered wings of the spacecraft producing a powerful drag as the thickness of the atmosphere increases, although out of the windows it still looks like space.

The G forces quickly ease off and you hear the pilot announce the start of the glide home.

Home sweet home.

Later that evening, after the celebrations and being awarded your astronaut wings, you know that life will never quite be the same again.



TS Eliot

BECOMING PART OF HISTORY

formed the world's most exclusive club. Their pioneering drive and enthusiasm for

the project has combined to create a unique and active community.

Timothy, 50

"Who wouldn't want to? I love flying and opportunity of a lifetime - to experience the thrill of riding a rocket into space and then being able to wonder in silence at the incredible beauty of the planet below. I am sure we will never forget it."

THE ASTRONAUTS

Justin, 42

"The reason I wanted to go galactic is quite simple... I have a chalkboard of life. Things I want to achieve in my few years on this planet... Nothing could be bigger or better than going into space."







The Virgin Galactic future astronauts have

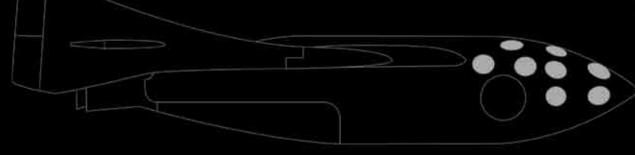
Alex, 46

"I want to see our planet. The 1960's moon this is going to be the ultimate flight! It's the landings did it: I was hooked before I could barely run, let alone fly. My interest in visiting space is about as old as my first glimpse of the moon."

Sonja, 33

"I will experience what it means to make a childhood dream a reality! To be so closely involved in this historic project from the very beginning and to witness each milestone on the way into space first hand is fascinating! I am able to see from very close up how a new era of space travel begins."





VMS Eve and VSS soar the Mojave s Mark Greenberg Before SpaceShipOne and WhiteKnightOne, space launch technology had remained largely unchanged since its earliest days. It had not had the benefit of much private sector innovation or competition and was closely tied to military capabilities and the ambitions of the world's super powers. Virgin Galactic's VSS Enterprise will share much of the same basic design and technology as SpaceShipOne but goes a stage further by meeting safety and comfort levels necessary to enable a wide diversity of passengers to become astronauts without specialist skills or experience.

This is the first time that a spaceship has been built with these considerations at the absolute forefront of the design and construction process.

VSS ENTERPRISE (SPACESHIPTWO)

VMS EVE (WHITEKNIGHTTWO)

TECHNICAL INNOVATION

1 02 03 04 05 06 07 08 09 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 **29** 30 31 32 33 34 35 36

SpaceShipTwo uses all the same ba technology, carbon composite const and design as SpaceShipOne. Howe around twice as large as that vehicle carry six passengers and two pilots.

The first WhiteKnightTwo, christener Eve after Richard Branson's mother largest all-carbon composite aviatio ever built and the most fuel efficient size. It has unique capability to carry

 Strong Composite Materials— SS2 is made of composite materials the craft a huge amount of strength remaining incredibly lightweight.
50,000ft Air Release— An air release minimizes fuel use an increases safety.
Hybrid Rocket Motor— This offers important safety and environmental advantages over liquis solid systems that are more commoniant.

on manned space vehicles.

WMS Eve and VSS Enterprise werr Mojäve Mark Greenberg



Enterprise during her first captive carry flig CGreenberg

VSS Marl





asic truction ever it is e and will	Each passenger seat benefits from two large windows: one to the side and one overhead. So, if you don't want to float free in space and you'd rather just remain in your seat you'll still get a great view.
ed VMS r, is the on vehicle t of its y heavy	payload (around 35,000 lbs) to high altitude (around 50,000ft) and a range of over 2000 nautical miles. Remarkably for a vehicle of its size, it is also capable of performing high and zero g maneuvers.
s to give I while nd	In particular, it means that the pilots will be able to shut down the SpaceShipTwo rocket motor at any time during its operation and glide safely back to the runway. 4. Feathered Re-entry— The aerodynamics of SpaceShipTwo's pivoted wings act like a shuttlecock, slowing and controlling the concerchic's control
iid or only used	controlling the spaceship's re-entry. 5. Glide back to spaceport— A conventional runway landing eliminates the need for parachutes and splashdowns.





SAFETY IS VIRGIN GALACTIC'S NORTH STAR

during 2004 and gave Virgin the reassurance solid systems that are more commonly used

the spaceship before pulling it back towards

Earth. During this period the pilots are able

to maneuver the vehicle to provide a

The spaceship is powered by a hybrid

rocket motor. This type of system is not a

new idea but offers important safety and

environmental advantages over liquid or

on manned space vehicles. In particular, it

down the SpaceShipTwo rocket motor at any time during its operation and glide safely

means that the pilots will be able to shut

changing view.

back to the runway.

safety in space travel. The use of an air

release coupled with a controllable hybrid

rocket engine offers many system back-ups.

The unique 'feathered' re-entry technology,

relying on the laws of physics as opposed to human judgement or computers, slows the

spacecraft so that re-entry is relatively care

free and always at the correct angle. This

approach ensured the safe spaceflights

it needed to take things to the next stage.

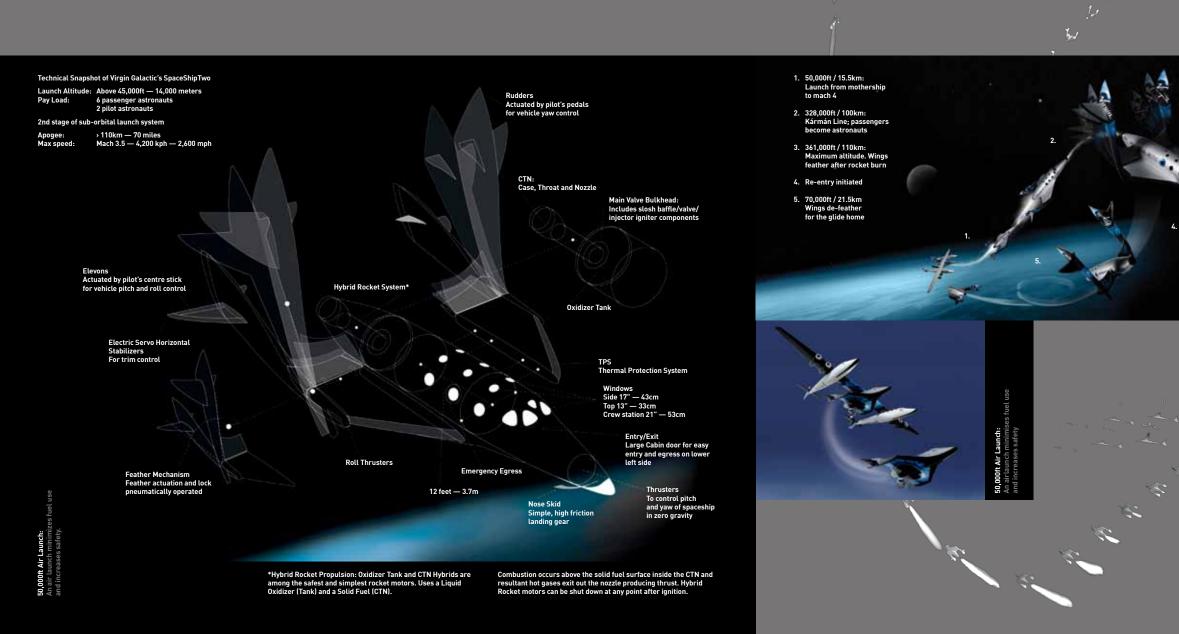
The spaceship can be thought of as an air

released glider with a rocket motor and extra systems for spaceflight. Just like any

conventional flying machine, it requires aerodynamic forces to provide its stability and control which it only has whilst in

the atmosphere.

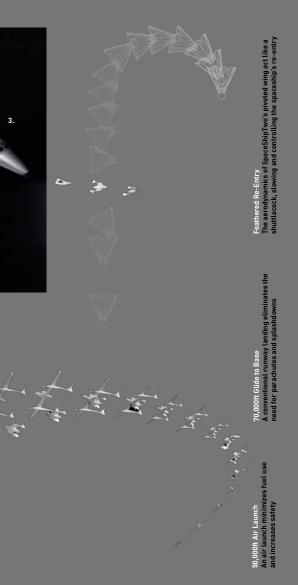
Carbon Composite Construction Scaled Composites - and the clue is in the use of composite construction techniques. no exception. WhiteKnightTwo is the largest all-composite aircraft ever built. Carbon of its weight, meaning less energy is required to propel both vehicles.



4.5

Not only is it very light and strong, but it also has a virtually unlimited fatigue life; as long name - builds its vehicles with the maximum as the stresses are kept below the ultimate, it does not deteriorate in use in the same Both WhiteKnightTwo and SpaceShipTwo are way that metal fatigues. It is also easy to modify additional pieces.

fiber composite is an extraordinary material; Scaled's unique understanding of carbon four times the strength of steel and a quarter composite construction techniques in aerospace design is key to the safer by design philosophy that has been central to the Virgin Galactic project.



One of Virgin Galactic's primary objectives is to end the exclusivity that has been attached to manned space travel, by designing a vehicle which can fly almost anyone to space and back safely...

Pre-Flight Experience Program.

There will be 2 days of pre-flight preparation, Your pre-flight preparation will ensure that bonding and training onsite at the spaceport. You are mentally and physically prepared to Learning how to make the most of your time savor every second of your spaceflight. in zero gravity and tips on how to be the most

comfortable with higher levels of G forces Our goal is to provide you with the most incredible experience of your life. The trip will be intense, exhilarating, and the more that can be simulated beforehand, the better the real thing will be.



Basic emergency response training, prescribed by our regulators will be at the forefront. Activities to familiarize you with the spaceflight environment will follow a close second. Everything about your pre-flight and flight experience will be recorded and provided to you to relive the experience and share it with your family and friends. realize their dreams.

VMS Eve and VSS Enterprise over the Mojave desert Mark Greenberg