

Logics of Gold

Educational sheet_ Espace Multimédia Gantner

Artist

Marie Lienhard

Artwork

Logics of Gold

Dated

2018

short description:

A golden helium balloon, carrying a 360 ° panoramic camera, lifts into the sky while filming its environment. The world gets smaller and smaller as we fly into the stratosphere to the edge of space.

Word cloud:

Virtual reality, Gold, explosion, balloon, flight, weightlessness, stratosphere, universe, sky, 360 °, elevation, landing, travel, sensation, Earth, immersive work.

1 / First approach to the work

PRESENTATION

Contents

A golden helium balloon, two meters in diameter, carrying a 360 ° panoramic camera soars into the sky, filming its surroundings. The world is getting smaller and smaller as we fly to the edge of the universe. When the balloon explodes, 35 km high in the stratosphere, it spreads its fragments of gold before falling back to Earth. The work in 360° virtual reality, completely immersive, gives the viewer an experience of physical weightlessness.

Ideas for reflection

The work "Logics of Gold" offers the possibility through virtual reality to physically feel the sensations of a journey in zero gravity. Through technology, the body leaves gravity and the earth's atmosphere. This opens up thinking about our physical limits and what technologies can bring to overcome them. Furthermore, the spectators glimpse the Earth, their habitat, in its entirety. They have never seen it so well

by being disconnected from it. Then, the exploding golden balloon leads to thinking about the origin of the elements that we use on Earth. Whether they come from space and / or the depth of the earth, they allow an understanding that all these environments are connected and interdependent.

Connections

The work "Logics of Gold" was presented at the Espace Multimédia Gantner in the exhibition "Cosmos 2019" from October 2018 to January 2019. This exhibition explored how the artists explore and question space in the age of new technologies. The work was placed right in front of another work from our collection, "the first step of The Man on the Moon "by artist David Guez, binary backup engraved on a stela in aluminium of a photo of Man's first step on the Moon, 1969.

The work is also similar to another "The Great Work of the Metal Lover" by the artist American Adam Brown featured in the SO3 bioart exhibition: art, biology and alchemy at Espace Multimédia Gantner in 2015. With this piece, Adam Brown manages to recreate gold, on Earth thanks to bacteria evolving in a specific gas mixture.

This work can be compared with certain works by William Turner. One and the other endeavour to represent an intangible but very present universe by relying at the same time on the science, perception and aesthetic feeling.

(see the links to the exhibitions "Cosmos 2019" and "SO3: art, biology and alchemy" as well as towards the works "the 6 binary steles" in the webography).

THE TITLE

Gold (Gold) is as rare on Earth as it is in the universe. The stars explode into a supernova. While for a few short moments, each of these stars releases the same amount of energy that is shared by all the stars in the galaxy. In this explosion, atoms of gold are created, then spread throughout the universe. Gold reached Earth when meteorites crashed into its surface. This is its logic of creation (Logics of).

PRESENTATION OF THE ARTIST

Marie Lienhard is a Fine Arts graduate, she lives and works in Stuttgart, Germany. Between installation, virtual reality, performance, photography and drawing, her very protean practice is driven by a fascination for human perception. Without limiting herself to a fixed medium she explores the elasticity of perception and questions its physical limits. Her work is in a permanently fragile balance between optical phenomena and social issues. Though allegories floating, flying or falling, she enquires into the human desire to overcome physical laws governing body and mind. Her work oscillates between experience and the suggestive forces released by pictorial means.

2 / Educational use of the work

HOW THE WORK WORKS

The spectator is seated on a swing with his feet off the ground. He experiences the work via a virtual reality headset. The sound is heard through headphones.

ASK YOURSELF

- What does it feel like to experience this work? And how can virtual reality make us feel the images physically?
- Why and since when does man explore space?
- What elements are found on Earth that originate from space? How have they arrived on Earth?

WORKSHOPS

- Film or photograph your environment at 360 ° and make a montage to view the images using virtual reality or by printing them.

- Imagine, then represent, using the technique of your choice, technological objects allowing to increase certain human capacities.
- Do research and then create diagrams, models on the elements that have arrived from space to Earth and vice versa.

TEACHING

Basic skills

Find your way in fields related to the arts.

Link artistic culture and scientific culture.

Frequent works of art.

Describe the works of art.

Disciplinary skills

The real space and the suggested space.

Digital in art: process and material.

The organization of matter in the universe.

The construction of scientific knowledge.

Interpret a work.

3 / Going further

GLOSSARY

Virtual reality: Virtual reality is a technology that allows a person to be immersed in an artificial world created digitally. It should not be confused with augmented reality.

It can be a reproduction of the real world or a totally imaginary universe.

Stratosphere: The stratosphere is the second layer of the atmosphere and is located between 15 to 50 km from the ground, it is above the troposphere (from the ground up to about 15km) and below the mesosphere (50 to 85 km), thermosphere (85 to 500 km) and exosphere (from 500 km).

Supernova: A supernova is the set of phenomena that result from the implosion of a star at the end of its life, in particular a gigantic explosion which is accompanied by a brief but fantastically great increase in its luminosity. Seen from Earth, a supernova therefore often appears like a new star, when in reality it corresponds to the disappearance of a star.

DOCUMENTARY RESOURCES

BIBLIOGRAPHY

Real [printed text] / Marie Lienhard, Author; Martin Heidegger, Author of a quotation or extracts; Maurice Merleau-Ponty, Author of a quote or extracts; Martin Heidegger. - 2018 - 36 p.:ill. In colour; 27cm.

Five weeks in a balloon: voyage of discovery in Africa by three Englishmen [printed text] / Verne, Jules, Author; Vierne, Simone, Scientific editor. - Paris (Cedex 13) [France]: Flammarion, 2005. - 332 p .: cover ill. in color .; 18 cm.

Quitter la gravité: An Anthology [printed text] / ASSOCIATION DES ASTRONAUTES AUTONOMES, Author. - Paris: Editions de l'Eclat, 2001. - 263 p .; 18 cm.

Sculpture en mouvement (La) [printed text] / Lebovici, Elisabeth; Bra, Daniel; Cabin, Rock; Bourriaud, Nicolas; Lascault, Gilbert; Tadini, Emilio. - Paris: Art Studio, 1991. - 137 p .: ill. in color; 27 cm. - (Art Studio; 22).

WEBOGRAPHY

-Artist's website

<http://marie-lienhard.com/>

-Link to the exhibition "Cosmos 2019"

<https://www.espacemultimediantner.cg90.net/exposition/cosmos-2019/>

-Link to the "6 binary stelae" works of the collection

<https://www.espacemultimediantner.cg90.net/oeuvre/6-steles-binaires/>

-Link to the exhibition "SO3: art, biology and alchemy" by Jens Hauser

<https://www.espacemultimediantner.cg90.net/exposition/so3/>

Link to the exhibition Quitter la gravité Le Tetris Le Havre

<https://festivalexhibit.fr/>

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