

AN EXPEDITION TO THE NORTH POLE TO BRING SUSTAINABLE SKIES

Climate crisis – an urgency of colossal importance

The climate is experiencing a rise in temperature that we know brings too sudden changes for wildlife and humanity to adapt to. We are facing a real threat in the continuation of using fossil fuels.

If we don't act swiftly and decisively, we are refusing our children the same opportunities that has been taken for granted by previous generations.

But there is hope! Initiatives around the globe are in full motion to turn this development around, and being part of it is in itself inspirational.

But the biggest threat to our planet is the belief that someone else will save it.

Why airships can offer sustainable mobility

In order to be sustainable we need to focus on preserving our energy supply. We must not use more energy than we can sustainably harvest. Today we use the resources of 1,5 planets per year, so it's clear we need to reduce our energy consumption.

The key is to focus on energy efficiency. How can we do what we need to do – to the least amount of energy consumption?

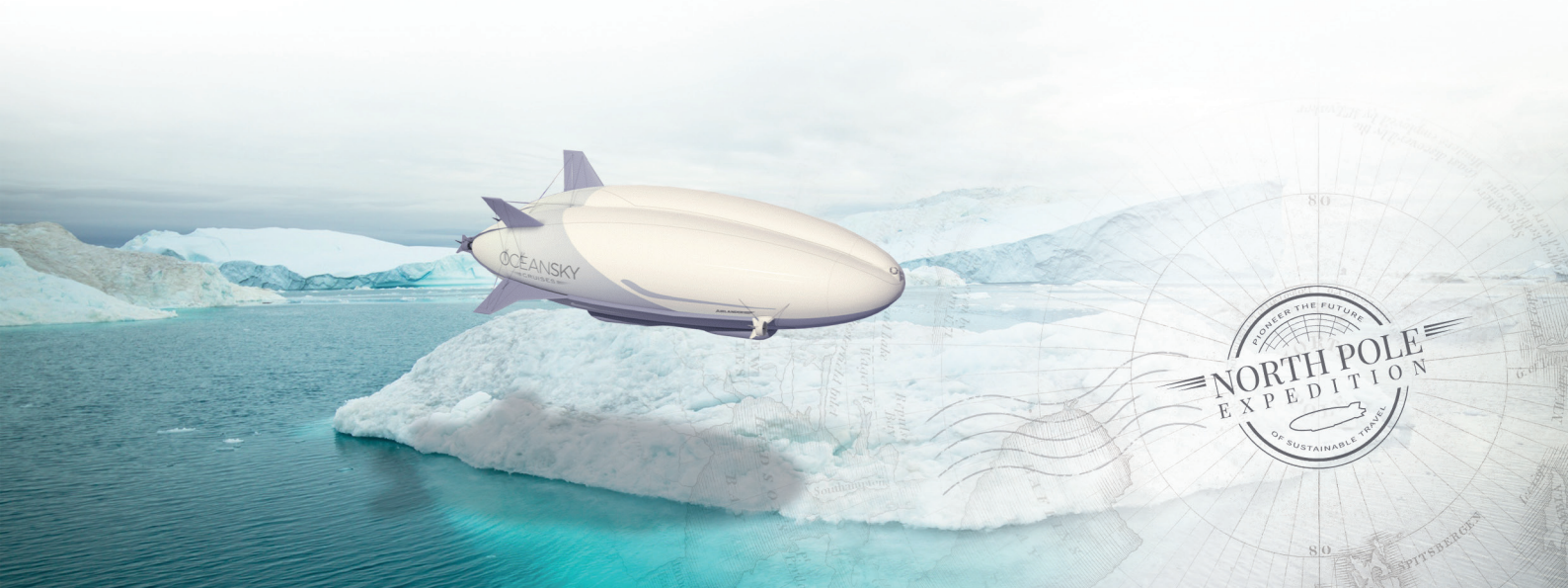
The bad news in aviation is that the equipment we use, airplanes, is extremely inefficient. Airplanes are rockets with wings that require tonnes of metal to be airborne and pushed through the sky in 900km/h. There is nothing efficient about that!

The good news is that there is massive energy saving potential in aviation. Airships can save an excess of 90% of the energy used, to do the same transport work with the same result. The remaining 10% of the energy demand can then fairly easy be non-fossil.

Airplanes are very difficult to make non-dependent from fossil fuels. They need an extremely high amount of energy density in the fuel to save weight. Batteries are, for the foreseeable future (+40 years), not able to deliver energy density in the level required. Biofuel is not able to supply even a fraction of the fuel needed on a global scale. Even if cost were not an issue, biofuel would have a challenging task to deliver a sustainable production system to supply the world demand of fuel, even if decades were available to organize it.

Large-scale hybrid airships offer a technology that is readily available today and when commercially proven, can offer the most energy saving potential in aviation in the shortest time horizon compared to any other options. Hybrid airships offer an opportunity that conventional airships could not accomplish.

Hybrid airships can land anywhere, without ground infrastructure, without people and machinery to secure it. The last 20 years have been important in the lighter-than-air industry, creating a prototype vehicle of full size with the ability of great range and endurance and the possibility to land on any reasonable flat surface.



Why we need to go to the North Pole

The Polar Regions are ground zero for climate change. What happens here predicts the climate future elsewhere.

The North Pole is regarded as one of the most inaccessible places on earth. A geographical location, defined as the axis the world spins, located on a large mass of ice, floating in the Arctic sea. There is no better destination to show what an airship is capable of. Where other modes of transport cannot deliver, or use excessive amounts of energy to reach. To do it without fossil fuel would mark the beginning of a new era of aviation!

When we show the world the capability, capacity and potential of lighter-than-air technology, we will offer an alternative to fossil fuelled aviation and open the eyes of consumers, industrialists, politicians and world leaders.

Not only will we fly and land on the North Pole – we will do so in serene comfort. A quiet cruise with unprecedented views from panorama windows altitude low enough for wildlife spotting, while dining in a luxurious lounge. This way we will show what travel is really about, where the journey is the destination, and passenger travel is healthy, revitalizing and comfortable.

Mankind will not stop to travel and transport, even if it hurts our planet, on the contrary travel is increasing year by year. Therefore we have to find new ways to do it. We push for a change in travel not only to do it consciously and responsibly, but also to reduce it by increased quality and decreased quantity.

Why we call upon the pioneers of the world

We need the freethinkers, the visionaries, the idealists and the pioneers to come together and push for change. For OceanSky this means to contribute with the pieces of the puzzle that is missing to create a game change in aviation. By creating the expedition to the North Pole in the world's largest modern flying vehicle, we build the business case and mitigate the market investment risk, to make possible for large investments needed into hardware and certification costs.

By joining us, you become an essential part of that puzzle.

You become our customer, which allows investments to be raised. And let's be crystal clear - we are not asking you to invest or even to risk your deposit. If OceanSky do not deliver – your deposit will be returned to you from OceanSky by guarantee of Swedish authority Kammarkollegiet (Sweden's first institution since 1539).

An experience of a lifetime

There has never in history landed an airship on the North Pole. However, it was an airship that reached and flew over the geographical North Pole for the first time in history in 1926, by Amundsen, Ellsworth and Nobile. See our timeline of the Polar quest <https://www.oceanskycruises.com/polar-quest/>

To create a paradigm shift in aviation we challenge the basics of travelling. We show what is possible, even 100 years ago, but now with modern ultra light, ultra strong materials and state of the art engineering and design. Never before has it been possible to look out such sizable windows, in a flying vehicle, quietly propelling itself, gracefully floating into the future of aviation. Never before was it possible to point out the window to any meadow, field or lake and say, "let's land there!" You will be part of the creation of history, and enjoy every moment of it.

What the future holds

History is written page by page. The first step in this change of aviation is a large-scale modern hybrid airship. The proof of the capability once operational will create a demand that cannot be met without building larger and more capable airships. When the technology matures and the industry expands, mass market segments within cargo and passenger transport will evolve. When there is an alternative that doesn't require fossil fuels and run on a fraction of energy demand, it will create hope and inspiration to the generation that inherits our world. The possibilities lighter-than-air-technology opens, the connection points it creates, and the opportunity for mankind is enormous. Imagine offering undeveloped regions a transport system overnight -by deploying suitable number of airships, without the footprint or leadtime of constructing infrastructure. We believe that mankind can overcome this great environmental challenge we are confronted with and create a world where we can live in harmony with nature and each other.

Let's do all we can possibly do to create that world.

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