

FRANK OBRIST

CEO of OBRIST Powertrain

My name is Frank Obrist, I am the Founder and CEO of Obrist Group. We are a world-leading company in CO₂ technology and CO₂-negative Technology, and we are located in Austria & Germany. This unique building, our headquarter in Germany, is located directly on Lake Constance and has a great history. In the 60s this was the center of the world for the automotive industry.

We showed the technology first in this car, and it stands not only for passenger cars, also for airplanes and ships and power plants who will use a global energy carrier with a CO₂ negative balance sheet. The German government ordered already 10 of these cars to promote the technology and the United Nations invited me to the COP27 to open the technology on a global scale. We dug carbon out of the ground and burned it. So, it's now released as CO₂ into the atmosphere. Today, this amount of carbon equals a mountain with a height of around 7000 m, and this was released mostly in the last 70 years. All this Carbon must go back under the ground. Over 800,000 years of humankind's history, we were never able to destroy our earth like we did by ourselves. Since the 1950s CO₂ concentration has been rising from 300 to 421ppm and it keeps going up like hell. But the good news is, if we do have a technology to reduce it just as quickly as released then we can get rid of our biggest problem, in only 100 years. So, we need an active and extremely powerful carbon sink, and I named this the "cSink – technology".

On the next slide, it will show you how it works. Let's have a look at this picture on the right-hand side. Solar energy is creating world records with less than 1 cent per kilowatt-hour. But to carry this around the globe, we do need two things: green hydrogen, split from water, and combining it with CO₂ out of the atmosphere. So we have now the ingredients for the world's most simple liquid energy carrier: Methanol - I call this "aMethanol" because it's pure "atmospheric". Now, combining this energy carrier with the cSink technology, this creates aFuel the world's first climate-positive energy carrier. 3% of the GDP for the methanol, plus another 3% of the GDP for the cSink will be only needed to implement this energy carrier, and this will remove the 7000m carbon mountain day by day. Now we have to spread this knowledge around the globe to all people on earth.

I'm really proud to be a part of this biggest transition in humankind's history. Be proud too! Implement this technology as fast as possible and be a part of the biggest and sustainable business for this Region - to become a renewable energy provider for hundreds of years to come. Thank you very much for your attention.



John Andrews, Contributing Editor to *The Economist* and *Project Syndicate*

Just a quick question, this sounds wonderful in theory, but politicians always have a very short time span because of the electoral cycle in democracies, so what is your time span on this? You have got something that will last for centuries but what is your timetable?

Frank Obrist

I already have good information and I have signed a letter of intent with the Emirates to install such a plant by 2027 and a large one by 2030. There are still some years to go but these plants are huge, and we have to think ahead to 2050 and beyond to what is coming in 2100. I think this is the target of this presentation.