

Message from the CEO

Dear Readers,

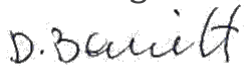
As you have likely seen in the world press, the end of 2015 was strongly focused on climate, specifically the dramatic and historic Paris Agreement. During the COP21 summit in Paris, held in December 2015, leaders of 195 countries and the EU agreed that what NewCO₂Fuels does is the right thing to do: CO₂ emissions have to be drastically reduced, whilst simultaneously reducing the high concentration levels of CO₂ already present in the atmosphere. Improved efficiency and alternative energy sources are legitimate and appropriate methods to achieve these goals; however, they will only lower the rate of accumulation. There is another more profitable and sustainable way to solve this global challenge... by converting CO₂ emissions into useful products with similar volumes and magnitude. This is NewCO₂Fuels. Making this process profitable and thus supporting the global economy, the NCF product provides a long-term sustainable solution.



COP21 will hopefully trigger an accelerating momentum in the fight against global warming well into the future. As if to prove the point, multiple locations around the world simultaneously experienced their hottest recorded months, while China and India endured the worst smog alerts in recorded history. We are looking forward to 2016 marked by enhanced business opportunities for NCF and more importantly, intensified global activity and notable progress against global warming, ensuring a better, healthier world for our coming generations.

The NCF team and I wish you all a successful 2016, full of health, prosperity, and happiness.

Kind Regards



Dudi (David) Banitt
CEO

Newsletter Content

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- An Insight into our Labs
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COP 21 - The Conference of the Parties

The Paris Agreement

The 2015 United Nations Climate Change Conference, COP21, was held in Paris, France, from November 30 to December 12, 2015. On December 11, the Paris Agreement was signed, uniting 195 countries and the EU in combatting climate change by taking decisive measures to reduce global CO₂ (GHG) emissions. The Paris Agreement set a goal of limiting global warming to less than 2 degrees Celsius (°C) compared to pre-industrial levels, and will become legally binding if signed in New York in 2017 by at least 55 countries that together represent at least 55 percent of global greenhouse emissions.

Governments from the 195 countries are expected to follow through with the various commitments they made prior to the conference to ensure this occurs. They called the agreement “the single most important collective action for addressing climate change ever agreed upon.”

This is an enormous message for power generation companies and heavy industries all over the world; it stresses that action needs to be taken in order to significantly reduce greenhouse gas emissions. This is precisely where NCF’s technology comes in, as it allows these heavy industries to convert their CO₂ to green fuel, fertilizers, and other valuable products in an economically viable way.

This event is already generating a growing wave of interest in NCF, which is one of very few companies in the world proposing an economically viable solution to CO₂ reduction. The amount of CO₂ that needs to be removed from the atmosphere is extraordinary, therefore only products that present solutions to the same extent can make a material difference. Fuels, fertilizers, and other hydrocarbons can all be produced from the syngas generated by NCF’s product, paving the way to a profitable approach to improving industry economics and solving a major global problem at the same time.

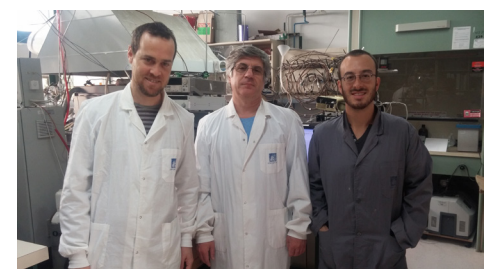
An Insight into our Labs

The NCF’s lab team is working on the further improvement of our core technology to increase longevity, reliability, and efficiency of the NCF mature project.

The team has continued to run NCF’s industrial heat-based prototype since its successful kick-off in mid-2014, which allowed us to learn more about the NCF dissociation process under various conditions.

The initial prototype solely dissociated CO₂, as this was a vital core competency of NCF’s technology. It proved that dissociation of CO₂ based on heat and electricity, without using hydrogen in the process, is possible. Today we are successfully simultaneously dissociating CO₂ and H₂O under various ratios and conditions.

Further progress has also been made in the commercial product design. Significant parts of the commercial reactor have successfully completed their detailed design as well as numerous analyses. They are now being readied for fabrication and integration.



NCF’s team working in the lab

NewCO₂Fuels' in the press during COP21

Thanks to our collaboration with Xhibition, our PR and media agency, NCF has received much attention in the press during the last few months. Two articles posted during the Paris Climate Conference, namely by the AFP (Agence France Press) and Techrepublic, went viral and created more than 300 articles within a few days across the world, from Thailand to China, Russia, Europe, Nigeria, and many more. This was an extraordinary and very timely exposure for NCF, generating several interesting collaboration and investment proposals.

Filming NewCO₂Fuels

As NCF's momentum grows, the technology comes closer to commercialization. The world is becoming aware of the true magnitude of what NCF could do for the world and we have hosted various camera crews from across the globe to film our company and product, resulting in several interesting articles and press releases.



124 News



Agence France Press



Russian Media Delegation

NewCO₂Fuels' latest overview movie

We have developed additional material to help people understand our technology, its application in industry, as well as the system's flexibilities and key advantages.

You can find the video on our webpage
<http://www.newco2fuels.co.il/videos-main/>

Or on the following link
<https://www.youtube.com/watch?v=RrqYYC0qzxs>

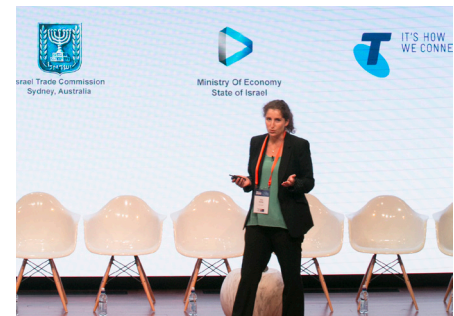


"Courtesy of MUSTACHE Creative Studio"

Business Development on the Go

NCF presented its product and business at the following conferences:

- **China-Israel Technology, Innovation and Investment Summit, Beijing China. Jan 4 - 6, 2016**
An exclusive event that fosters business-to-business collaboration in the fields of technology and investment.
<http://china-israel-investments.com/ChinalisraelInvestments>
- **The Bridge, Sydney Australia. Nov. 24, 2015**
Israel Australia Investment Summit that aims to: INSPIRE, DISRUPT and CONNECT
<http://www.thebridgesummit.co/>
- **Global Projects Exchange, New York 2015**
Brings together leaders to explore where and how business and policymakers can come together to help drive prosperity and sustainable growth
<http://www.xynteo.com/events/global-projects-exchange-new-york-2015>
- **5th Carbon Dioxide Utilisation Summit, Dresden, Germany. Oct. 21 - 22, 2015**
A comprehensive progress update on the global CO₂ utilization industry
<http://www.wplgroup.com/aci/conferences/eu-cco5.asp>
- **World Clean Coal Conference, Seoul, Korea. Oct. 21 - 22, 2015**
Highlights the growth potential of the Korean coal industry and current trends in the clean coal industry landscape.
<http://www.worldcleancoal.org/kr/index.asp>
- **KIICC Korea Israel Industrial Collaboration Conference, Seoul Korea, October 23, 2015**
Korea and Israel have developed a close partnership in industrial R&D and would like to extend that partnership to various fields
http://www.newco2fuels.co.il/files/files/KIICC2015_Program.pdf
- **Brussels Sustainable Development Summit, Brussels, Belgium. Oct. 19 -20, 2015**
Focus on how to tackle global warming
<https://bsds2015.vito.be/>
- **4th Conference on Carbon Dioxide as Feedstock for Fuels, Chemistry and Polymers, Essen, Germany. Sep. 28 - 29, 2015**
Sharing recent success stories and new ideas regarding CO₂ utilization.
<http://co2-chemistry.eu>



In the News

- **THE JERUSALEM POST: CLIMATE CHALLENGES - Dec. 22, 2015**
<http://www.jpost.com/Opinion/Climate-challenges-437320>
- **TIMES OF ISRAEL: For Israeli firm, an answer to global warming is blowing in the wind Dec. 3, 2015**
<http://www.timesofisrael.com/for-israeli-firm-an-answer-to-global-warming-blowing-in-the-wind/>
- **TECHREPUBLIC'S INNOVATION NEWSLETTER: How new fuel tech could drastically reduce CO₂ and generate profitable new waste stream - Dec. 2, 2015**
<http://www.techrepublic.com/article/how-new-fuel-tech-could-dramatically-reduce-co2-and-generate-profitable-new-waste-stream/>
- **ISRAEL SCIENCE INFO: Captage du CO₂ - Dec. 2, 2015**
<http://tinyurl.com/jhzj7g5>
- **BIO-BASED NEWS: Sustainable Fuels, Chemicals and Polymers from Sun and CO₂ - Oct. 12, 2015**
<http://news.bio-based.eu/sustainable-fuels-chemicals-and-polymers-from-sun-and-co2/>
- **THE WORLDS STAGE: How can a new economic solution reduce greenhouse gas emissions and combat global warming? - Oct. 5, 2015** <http://tinyurl.com/okw898x>
- **SEENEWS: Israeli firm in final talks for CO₂-to-fuel test at coal power plant - Sep. 17, 2015**
<http://tinyurl.com/pujz5dn>
- **START-UP ISRAEL: It's hot outside. Could this machine be the answer to global warming? - Sep. 16, 2015**
<http://www.timesofisrael.com/its-hot-outside-could-this-machine-be-the-answer-to-global-warming/>
- **ENVIRONMENTAL LEADER: NewCO₂fuels and Acumentrics Win \$1M for Carbon-to-Fuels Tech Sep. 14, 2015**
<http://www.environmentalleader.com/2015/09/14/newco2fuels-acumentrics-win-1m-for-carbon-to-fuels-tech/>

News Around the World

China smog: Beijing issues second ever pollution red alert

Beijing has issued a second pollution red alert, little more than a week after the first ever such warning.

<http://www.bbc.com/news/world-asia-china-35129258>

Beijing's Smog Alarms Public, But Data Shows India's Air Quality Is Far Worse

Beijing's dangerous levels of smog clogged news feeds this week. But analysis of World Health Organization data obtained by Forbes shows that other cities suffer far worse air pollution — in some cases, 50 percent more on average.

<http://www.forbes.com/sites/katiesola/2015/12/18/smog-beijing-air-quality/>

Delhi considers shutting schools as toxic smog continues

Many schools have already restricted outdoors activities as record levels of air pollution in the Indian capital are expected to last for months to come

<http://www.theguardian.com/environment/2015/dec/11/delhi-considers-shutting-schools-as-toxic-smog-continues>

COP21 climate change summit reaches deal in Paris

A deal to attempt to limit the rise in global temperatures to less than 2C has been agreed at the climate change summit in Paris after two weeks of intense negotiations.

<http://www.bbc.com/news/science-environment-35084374>

November of 2015 was hottest on record

Last month was the world's warmest November in recorded weather history, according to figures released by NASA's Goddard Space Flight Center.

<http://www.cnn.com/2015/12/16/november-of-2015-was-hottest-on-record.html>

For Israeli firm, an answer to global warming blowing in the wind

The company called NewCO₂Fuels, or NCF, has been developing its own version of a technology that allows heat-trapping carbon dioxide emissions to be captured and recycled back into useable fuel.

<http://www.dailymail.co.uk/wires/afp/article-3342180/For-Israeli-firm-answer-global-warming-blowing-wind.html>

CONFERENCES AND EVENTS

6th Carbon Dioxide Utilization Summit

Essen Germany

16-18 Feb 2016

<https://www.e-world-essen.com/en/home/>

CO2 Summit II: Technologies and Opportunities

New Mexico, USA

10 - 14 Apr 2016

<http://www.engconf.org/conferences/civil-and-environmental-engineering/co2-summit-technologies-and-opportunities/>

AISTECH

PA - USA

16 - 19 May 2016

<https://www.aist.org/conference-expositions/aistech>