



CARBON COUNTERMEASURES
Special Project #FCG GENEVA 2022

The Carbon Countermeasures project presented by the Romanian team is inspired by Romania's geographical and economic particularities. Electricity production in coal-fired power plants has a great impact on the global carbon footprint and as there are 5 such power plants in our area we proposed a method that involves using green energy to collect carbon, even when discharging through the chimneys and storing it in abandoned mine shafts and salt caverns, which are common in the vicinity.

TESTIMONIALS



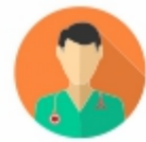
Luminita Georgeta-Popescu
Rector Prof. EngD University of Targu-Jiu

"Constantin Brancusi" University of Tg.-Jiu, through the Faculty of Engineering, supports and supports the actions of the students of the Romanian Robotics Team, for the realization of the special project "Carbon Countermeasures" with the aim of identifying new solutions to one of the biggest challenges of the moment, namely Climate Change, determined primarily by greenhouse gas emissions, especially CO2 emissions generated by the energy industry, transport or various industries that burn fossil fuels in technological processes. To this end, University provides laboratories equipped with high performance teaching and research equipment, encouraging students of "Tudor Vladimirescu" National High School Tg. Jiu to experiment and implement their creative ideas. At the same time, given the global challenges regarding climate change but also in the context of the new Green Deal policies, followed by decarbonisation measures that practically change the paradigm of greenhouse gas emissions, especially CO2, worldwide, the concerns of education and research must together focus their efforts on solutions that aim, in addition to reducing carbon emissions, to capture, use and store CO2.



Mircea Geoana
NATO Deputy Secretary General

Success Team Romania at FIRST GLOBAL at Geneva and good luck to everyone!



Ph.D. - Laurian Faur
Medical Research Hospital - Senonches - France

An interesting idea, congratulations to the young people for this initiative and also good luck all teams in this special and important challenge for us, for entire earth!



Olah Mihai
Software Engineer - Bosch

The issue of pollution is a topical one and very important for society both now and in the future. The proposed solution will have a beneficial impact on the community, and the idea seems sustainable even at a global level. I am glad to see that steps are being taken towards a greener society, especially when they come from young Romanians. I support their initiative and wish them much success in what they want to undertake, now and in the near future!



From PANDURUL Newspaper
March 22 September 2022

"... Our solution was to create a system that would directly capture the dioxide from the air and then store it in abandoned mines and salt caverns. In addition, during this period we are trying to develop the competition robot more and more, because time is relatively short and the challenges of the robot are quite complex. Thus, each country must, during the game, store as many balls (representing carbon emissions) as possible in a central tower by 2 methods: bringing them to the team leading the robot and then they throw them in the place where they are to be stored or throwing them directly by the robot. A second challenge of the game is to climb the robot to different heights ..." adds Radu Taerel - Romanian Robotics Team"



M.D. - Maria Dragotoiu
Timisoara Medical Hospital

I'm excited about this carbon special project. I think it would bring important benefits to our community and also help people all over the planet!

