w h i t e p a p e r

What is carbon offsetting

Gorman-Rupp is offering a new, exciting and free-of-cost program for all rental customers to reduce their CO_2 footprint. This program may raise a few questions with those not familiar with such innitiatives, so we will try to answer the most common questions below.

What is carbon offsetting?

Carbon offsetting is a global scheme to compensate for any CO_2 emission that inevitably takes places in today's society.
Offsetting schemes allow companies to invest in environmental projects around the world in order to balance out their own carbon footprints. The projects are usually based in developing countries and most commonly are designed to reduce future emissions. This might involve projects such as clean energy technologies or the establishment of new forestry projects.

How does Carbon Offsetting work in Pump Rental?

Gorman-Rupp knows exactly how much CO_2 an engine driven pump produces during operation*. Upon return of a rental pump, the operating hours this asset has been used, determines the total amount of CO_2 produced during the rental period.
This quantity of CO_2 is compensated through selected projects, thereby making your pump rental CO_2 neutral.

When returning your rental pump, Gorman-Rupp provides you with a certificate. This certificate references the rental job and the amount of CO_2 you have compensated in this project. You can utilize this certificate towards your customer to show your environmental responsibility.

What is Carbon Offsetting costing me?

The good news is, that the Carbon Offsetting program will not lead to increased rental rates. Gorman-Rupp is taking their social responsibility serious, so we invest in the CO_2 offsetting programs with no additional costs for our customers. So, there are no barriers for our customers to join in these exciting programs.

Is Carbon Offsetting the solution to our environmental challenges?

The answer to this question is very simple and honest ; no it is not. The real solution lies in the continuous developments of new innovations that will ultimately lead to technologies that produce no CO_2 at all. At the same time, the world around us is utilizing common technologies that still produce emissions, and it's our responsibility to mitigate the lasting effects. An effective way of doing this is with carbon offsetting. Gorman-Rupp therefore sees it as a very efficient intermediate step, on our way to a fully sustainable rental fleet.

* *note: We know the CO_2 emission of each engine driven pump set on peak power. In reality, rental pumps rarely operate at their maximum performance, so the CO_2 emission during the rental period will be lower. Yet we calculate each rental period to the max. CO_2 emission, thereby effectively offsetting more CO_2 then what you have actually produced. In this way, you can always rely on having a fully CO_2 neutral rental pump.*

How watertight is this program?

Gorman-Rupp works together with Climatrade, an international organization specialized in big CO_2 compensation programs. Their special blockchain technology provides the relief of total transparency and traceability. Secondly, the projects in which we compensate the CO_2 are closely monitored according to the CDM standard (Clean Development Mechanism). Under CDM, projects are verified by 3rd Party auditors and reviewed, approved/ rejected by a CDM Executive Board. CDM requires strict additionality for certification of carbon offset projects and has been operational since 2006.

Which projects is Gorman-Rupp investing in?

Gorman-Rupp has chosen two projects that are used in the carbon offsetting plan

Biomass Plant Trupan Chile

The Trupan Biomass Power Plant project activity consists in the construction of a 30 MW power generation capacity biomass power plant in the Trupan Forestry Complex, located in Chile's VIII Region. The project uses biomass residues (sawdust and bark) from third party sawmills as a renewable fuel source to cogenerate heat and power. Approximately half of the generated power is used on-site while the remaining half is injected to the local grid. The project was implemented by Celulosa Arauco y Constitución S.A., a leading forestry company headquartered in Chile, South America.

Oaxaca IV Wind Project Mexico
ACCIONA, one of the leading Spanish companies in the IBEX 35 and present in more than 40 countries, offers its expertise in designing a better planet, responding to the needs of infrastructure, water and energy through innovative and responsible solutions that they generate real progress, based on an unusual and alternative way of doing business.

This installation produces clean energy for about 700,000 homes, meaning an annual emission avoidance of 670,000 t CO_2 eq to the atmosphere. It can be considered equivalent to the fixation of CO_2 made by a forest of 33.5 million trees.

climatetrade

WHERE BLUE MEETS GREEN

Sustainability has played an important role in Gorman-Rupp's strategy since 2017. We are developing more and more products and services that not only reduce our own environmental impact, but also help our customers accelerate their sustainability strategy.

We call this "where blue meets green"; Blue has been the color of Gorman-Rupp since 1933, and by mentioning this, we show that we will continue our heritage, knowledge and experience into the future. We link this history to our sustainable, and therefore green, ambitions. Therefore, Blue meets green.

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