



ALTERNATORS FOR COMBINED HEAT & POWER

SINCRO has developed its complete programme for cogeneration. Our CHP business unit is committed to the engineering and production of a full range of alternators for medium, mini and micro-CHP plants. Reliable, efficient, 100% Made in Europe in our factories. Optimized for unstoppable efficient power and easy maintenance.

SUSTAINABILITY IS A MUST

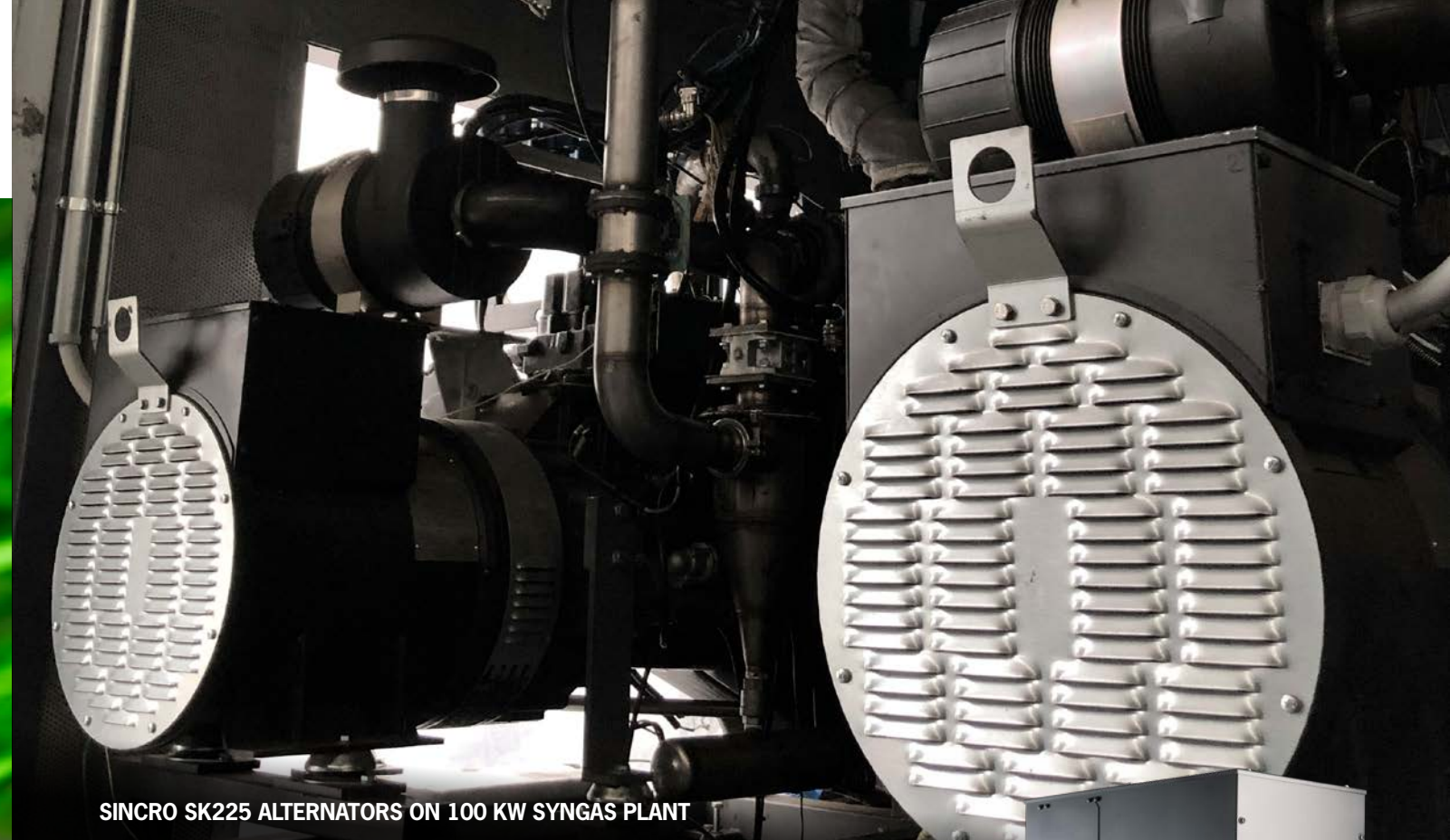
We all care about environment and the impact of our actions on the planet. The responsibility in reducing the effects of climate change is a huge one to share, but necessary to preserve earth for future generations. That's why, at Soga Energy Team we believe we have to do our part. Operating in energy sector responsibly, to meet its increasing demand by a global growing population. Fighting climate change and air pollution, increasing energy efficiency, promoting the use of renewable energy in the production of electric current, encouraging the active participation of distributed resources within electricity market: it's a significant challenge. At the same time, we want to help the growth of industry and communities by offering solutions for cost effective, reliable power and heat.

COMPLETE CHP PROGRAMME 1-2,000 KW

In this scenario, here we are. Soga Energy Team is an industrial group located in Italy with over 50 years of history: an international player operating by its brands (SOGA, SINCRO, AGROWATT, SOGAENERGIES) in the manufacturing of electric motors, alternators, rotating welders, pto and permanent magnet generators. Soga is a continuously growing company in alternators engineering, thanks to its ability to identify new fields of application and find new development opportunities around the world. Addressed to the cogeneration market, we propose 80 different models optimized for micro and medium CHP: starting from small asynchronous generators, through PMG special variable-speed solutions and hybrid alternators, and 4 pole/Digital AVR alternators up to 2 MW. Liquid and air cooled alternators in 4 and 2 pole version are available in UL/CSA execution as well. A unique range in the world, that no other company is able to propose.

AN ALTERNATOR SPECIFICALLY MADE TO FIT YOUR CHP SYSTEM

Each project is managed individually by SINCRO CHP business unit, according to the real needs of clients. We approach all projects in a personalised way with open mind. Thanks to our skilled R&D and equipment's flexibility, every model can be tailor-made in a custom version. Quality and reliability are guaranteed through full compliance with CHP standards and regulations, constant process innovation, investments in qualified professional figures, constant training of operators. We closely work with the customer for realizing a specific solution: the one matching exactly his CHP needs. SINCRO's wide range and technology assets in-house enable OEM to find the right alternator, specifically studied for his own CHP plant. Moreover, if an alternative technology is better suited for the project we are following, we are flexible enough to find the way. This is how SOGA ENERGY TEAM contributes to its clients' growth, while being conscious we are making a part in sustainability.



SINCRO SK225 ALTERNATORS ON 100 KW SYNGAS PLANT



PMG

ASYNCHRONOUS

SYNCHRONOUS

FOCUS

SINCRO FOR CHP

ASYNCHRONOUS GENERATORS have been developed and produced in Italy at Soga Energy Team for more than 50 years. They are available air and fluid cooled up to 50 kW. A range born to meet micro-CHP market demand, by providing very reliable machines with good efficiency and strong mechanical construction. One key feature of these alternators is compactness, for shorter dimensioned cogeneration ad trigeneration sets, saving a lot of space, production materials, storage, transportation costs (in one word: money).

PMG range is the result of many years looking for new market chances, by combining our expertise and vocation to innovation. These alternators can cover a wide variety of low and high speed systems, and they are fully optimized to give the system the best efficiency and economic sizing. SINCRO offering includes special permanent magnets IP54 and IP23 generators Made in Italy, multi-poles, to be used with or without inverters, basically used in micro-CHP gas turbines systems or in very special installations, where space and efficiency are extremely important.

SYNCHRONOUS ALTERNATORS cover micro-CHP applications with the super compact SK160 models, and also medium and mini-CHP with all the bio and natural gas installations thanks to the most powerful alternators up to 2 MW. Today, SINCRO total range of Brushless/AVR alternators includes over 180 models 6,5 to 2,600 kVA in 4 and 2 pole version, CSA/UL, air-to-air cooled IP55, and up to MV medium-voltage executions. All models are 100% Made in Europe in Croatia: Sincro d.o.o. factory located in Rijeka is our productive plant specialized in the manufacturing of the biggest 4-pole industrial alternators (SK225/250, SK315/355, SK400/450, SK500). For SK160, FB, HB, IB we have completely Made in Italy production in the plant based in Cereda di Cornedo, Vicenza.