

coldenergy

At some time or another, every manufacturing and retail company dealing with the cold chain struggles with inadequate cooling capacity of its refrigeration plant as well as with rising energy cost.

Whether it is about insufficient cooling capacity of the refrigeration plant or a fast increase in energy cost, it generally involves a lot of human intervention, which can be expensive, time consuming, and impossible to ultimate and achieve.

Thus, you turn to traditional solutions such as **Economiser** or **Inverter**, but they are overpriced and only offer a limited flexibility not to mention they do not achieve the same efficiency and performance derivable from cold energy. Selecting the right technology for your refrigeration plant, is essential for your company to maintain focus on your core business.

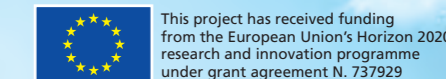
THE ULTIMATE SOLUTION TO IMPROVE ENERGY EFFICIENCY

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PHOTO: GREGOR WAT



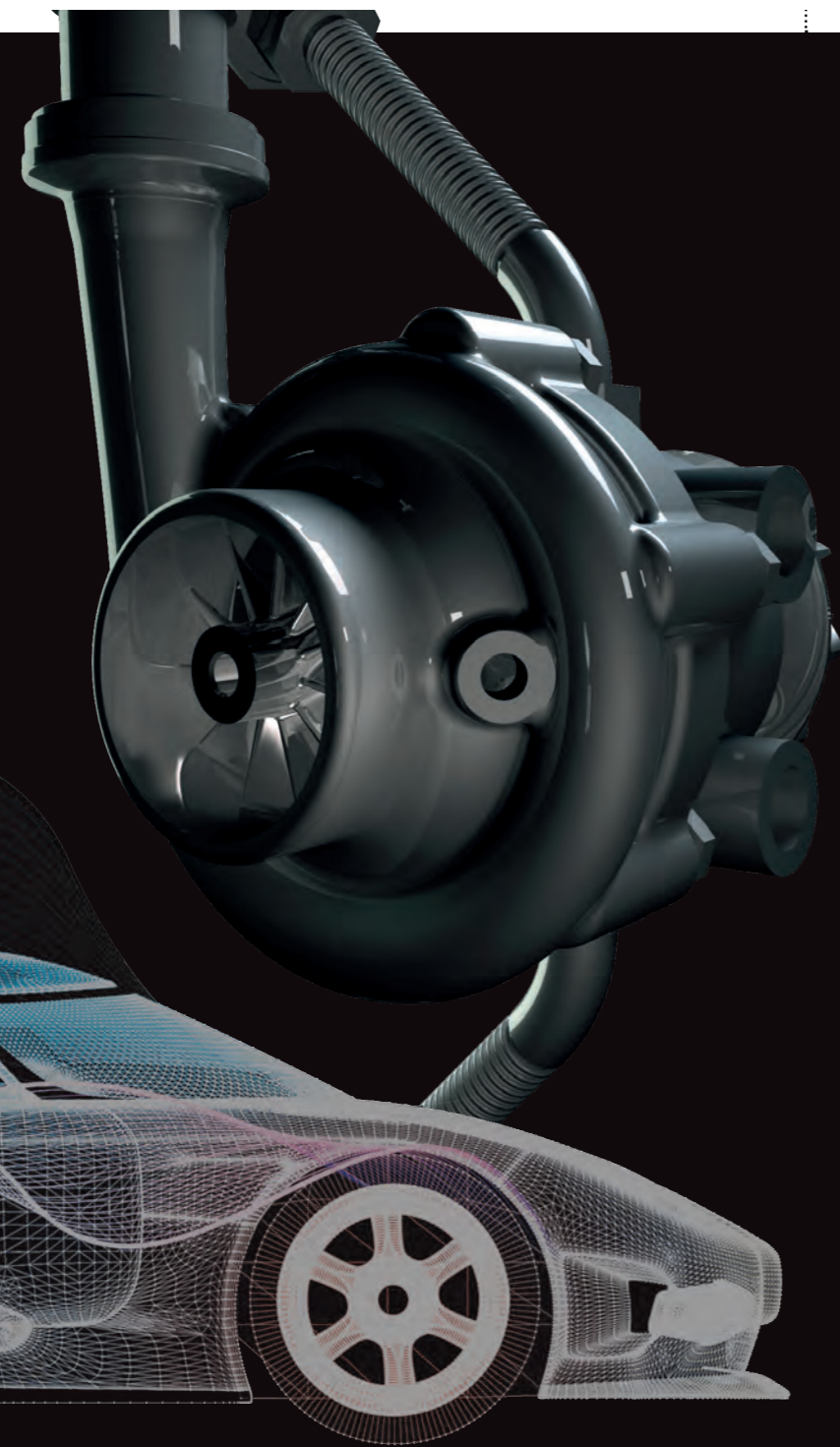
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THE ULTIMATE SOLUTION TO IMPROVE ENERGY EFFICIENCY

A REVOLUTION IN COOLING INDUSTRY FROM AUTOMOTIVE SECTOR

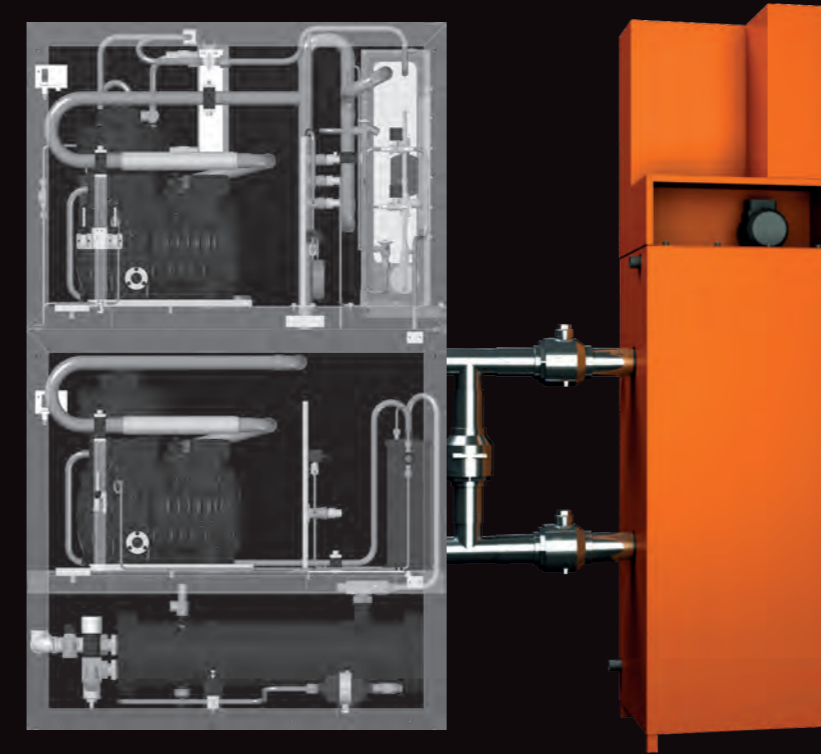
Coldenergy revolutionizes the cooling industry making the compression cycle of the refrigerant fluids more efficient and improving the cooling capacity of the refrigerating plant.

Coldenergy is the "ultimate" solution to improve energy efficiency both for old and new compression refrigeration systems by transferring a highly effective automotive technology to enhance energy recovery of heat exchangers, and represents a real break with the pre-existing energy saving solutions.



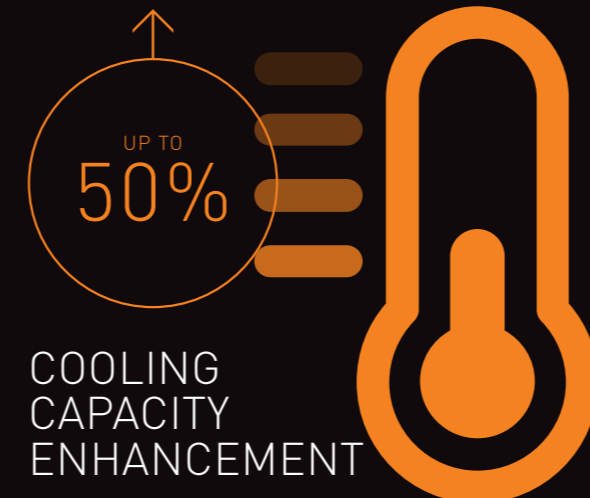
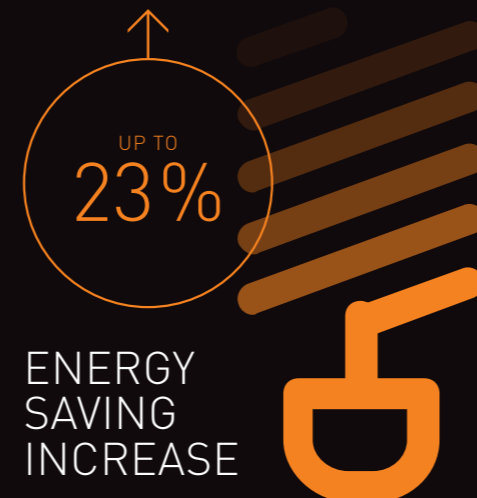
ENERGY SAVING, MAXIMUM EFFICIENCY AND RESPECT FOR THE ENVIRONMENT

For this purpose, the project targets to the adaptation of a turbocharger similar to those used in automotive sector, to a refrigeration system. **Coldenergy's** main features consist in energy saving increase up to 23% in comparison with existing solutions, cooling capacity enhancement up to 50% and friendly environmental impact by saving up to 4 Mtpa CO₂. **Coldenergy** is a disruptive innovation project carried out by **TURBOALGOR**, an Italian innovative start-up company belonging to **Angelantoni Group**, which boasts a quite in-depth experience in the cold chain.



TAILORED SOFTWARE TO TRACK ENERGY SAVING

We also provide our customers with a tailored software to allow them to track energy saving as well as cooling power capacity enhancement related to their refrigeration plant after the installation of the **Coldenergy Kit**. Those great results can be combined with a positive environmental and social impact of the cold energy technology.



THE LOWER THE TEMPERATURE, THE HIGHER THE BENEFITS:
ENERGY SAVING / GROWING COOLING CAPACITY

