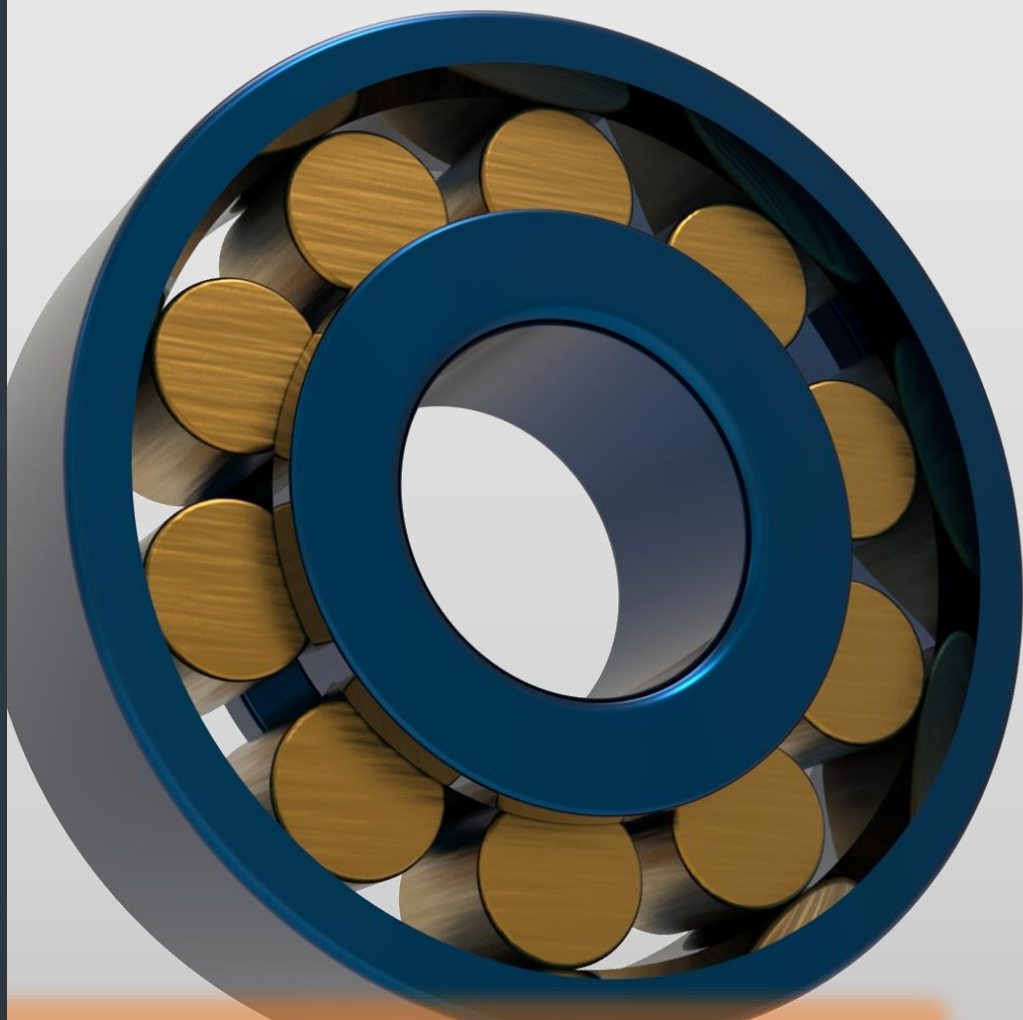




DE CARDENAS



SERVICE

A company of Boldrocchi Group

SERVICE DIVISION

Do you need improved performance from your system?

When trying to increase production, the perennial question is: do we need to buy new components or can we reuse what we have?

Budget is always a determining factor and indeed, when your CAPEX budget is limited, a review, retrofit (refurbishment) or conversion could be the answer. Our specialists will improve the capabilities of your existing machine, either the original DE CARDENAS one or that of another OEM.

Our technical and problem-solving capabilities also extend to the Service team. To complement the engineering, production and testing departments, this team offers an installation and testing service, as well as management, support and advice on site for a true turnkey on our entire supply.

Our technicians have in-depth knowledge of our machines and also offer maintenance services on machines from other manufacturers.

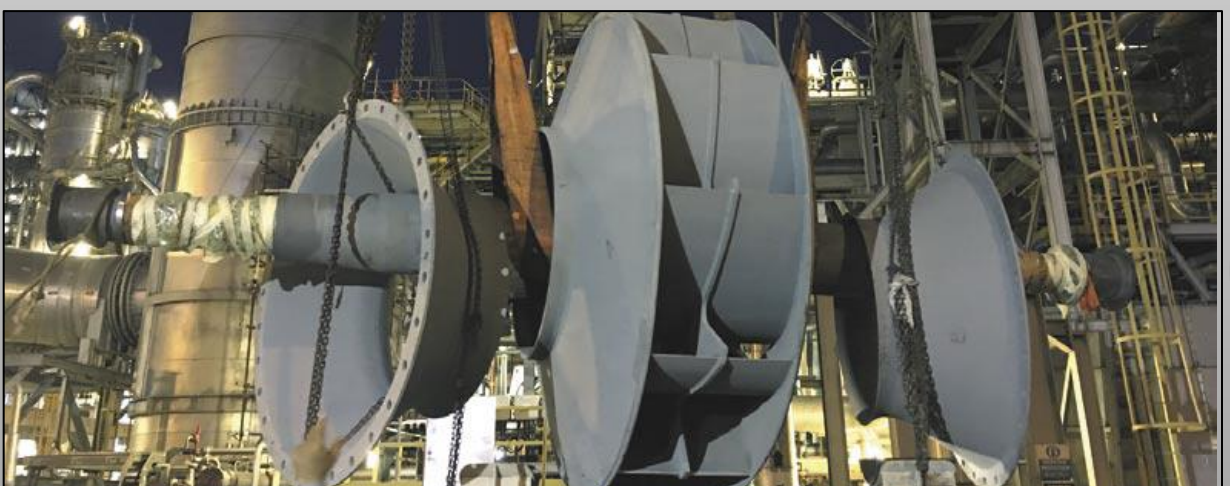
The services offered are available for fans, blowers, process dampers, in any field of application and industrial sector (Oil & Gas, steel mills, cement plants, glass mills, etc.) and are the following:

- Comprehensive analysis of needs based on data and on-site verifications
- Initial performance tests (according to ISO and AMCA standards)
- Analysis and reporting of the situation
- Advice and recommendations for achieving goals
- Elaboration of the action plan
- Installation and assembly or supervision of installation and assembly
- Start-up
- training internships for maintenance personnel on site and in the classroom, also through Teams or similar Internet-based platforms
- Maintenance services
- Guidance and preparation for inspections
- Spare parts



De Cardenas is able to offer a complete and efficient "service" both in the industrial and infrastructure fields, making use of a team of technicians ready to operate on-site all over the world equipped with the latest generation of analysis instruments. The main activities that take place are:

- **Predictive and pro-active maintenance;**
- **Ordinary and extra-ordinary maintenance;**
- **Diagnosis and resolution of mechanical problems;**
- **Review and modification of components;**
- **Dynamic balancing of rotors both in the field and in the workshop;**
- **Alignment of axis lines;**
- **Supply of spare parts and special parts for any fan also through "reverse engineering"**



REVAMPING

De Cardenas is also specifically equipped to operate on axial fans installed in road tunnels, railway tunnels and car parks, where the continuous operation in the presence of solid particles and combustion fumes decreases the efficiency of the fans over time. The workshop is able to restore each brand's fans to their original state of efficiency, issuing an intervention report and providing a 2-year warranty period.

The reconditioning operations include:

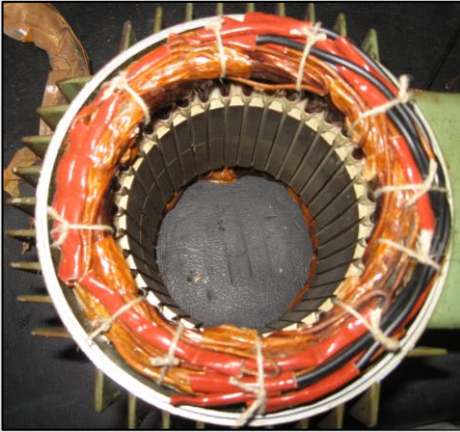
Complete overhaul of the impeller
Disassembly, cleaning, visual inspection, replacement of all nuts and bolts and balancing in accordance with ISO 1940 standards.

Static parts check
Washing, brushing and visual inspection of the static parts: volute, silencers and protection nets.



Overhaul of the electric motor

Disassembly, stator rewinding with oven drying, rotor balancing (G 2.5), replacement of cables, cleaning and repainting of the casing, replacement of bearings and tests.



Re-assembly and testing

At the end of the operations, the fan is subjected to performance testing for the verification of vital parameters and the release of the test report



CASE HISTORY

Large Axial Fans before service



Products After service



DE CARDENAS



DE CARDENAS

De Cardenas Fans & Service srl
Via Lega Lombarda, 127 – Arcore (MB)
Tel. +39 039 2282011
www.decardenas.it