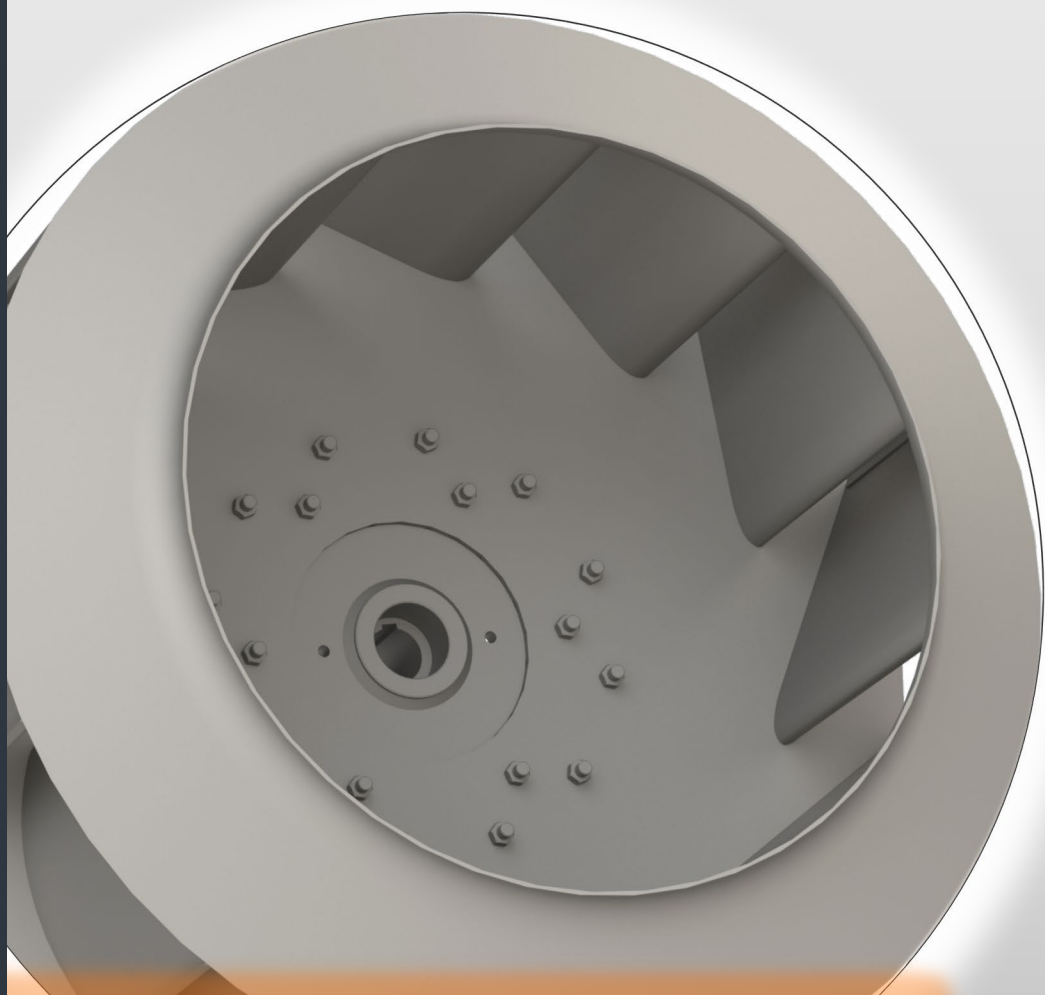




DE CARDENAS



INDUSTRIAL FANS

CATALOGUE

A company of Boldrocchi Group

THE HISTORY

In 1927 in Turin, the young engineer Giulio De Cardenas became an agent for Italy of a well-known American manufacturer of industrial fans. After moving the company to Milan due to the beginning of in-house manufacturing, De Cardenas continued to grow adapting itself to the market request.

The company, well recognized in the global market, was then sold to a big industrial group from which, in 1997, BOLDROCCHI bought the industrial fans division spin off. De Cardenas is today on the market as manufacturer of a new range of fans still produced in the historical site of Arcore.



DESIGN CONSTRUCTION AND TEST

The worldwide demand for machines capable of moving fluids is constantly increasing. De Cardenas is able to produce fans and blowers in a wide range of sizes all characterized by high efficiency and mechanical reliability. The long tradition and technological capacity of the Boldrocchi Group are a guarantee of top-level performance and reliability.

From design to construction, from tests in the test room to on-site testing, each step is guaranteed by strictly controlled procedures in accordance with the ISO 9001 certified quality assurance system. The technical office has the most up-to-date design software.



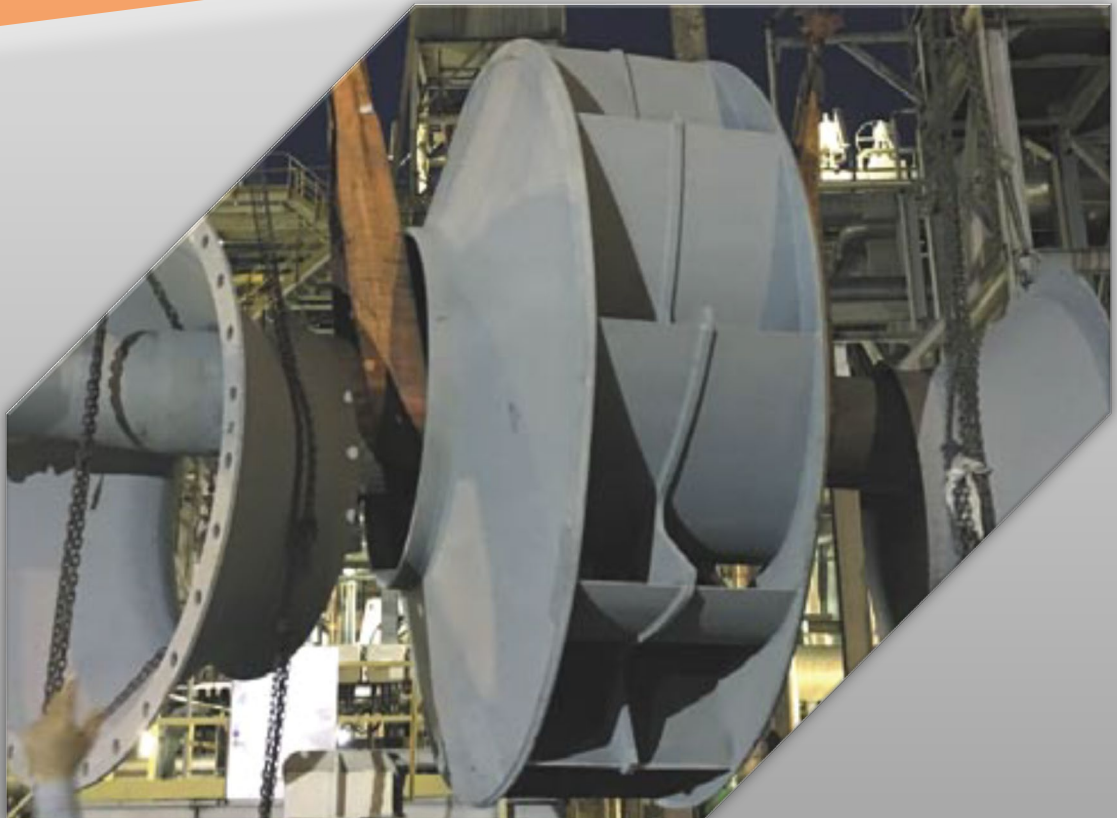
DE CARDENAS

SERVICE DIVISION

DE CARDENAS Service division can provide a worldwide, readily available service team that can operate directly on site using latest technology instruments and tools.

Our activities are:

- **Supply of spare parts and special parts for every brand, also by reverse engineering procedure;**
- **Commissioning and test on site;**
- **Predictive and pro-active maintenance program;**
- **Ordinary and extraordinary maintenance;**
- **Diagnosis and resolution of mechanical trouble, overhaul and revamping;**
- **Dynamic balance of rotor, both in workshop and on site;**
- **Laser-aided alignment**
- **Performance test**



INDUSTRIA 4.0



D-IPS (Integrated Proactive System) provides a performing technical solution capable of measuring all the main parameters of the fan (vibrations, rotor imbalance, bearing's life and temperatures). Equipped with a specific sensor designed for axial fans, the system provides vibration data to the tunnel remote control software and processes all the fan parameters in "real time" to determine the state of "life" of the mechanical parts, anticipating the appropriate action's maintenance, preventing machine downtime and intervention times. The main features are:

- **Data acquisition and storage.**
- **Display and Analysis of parameters.**
- **Alarm management.**
- **Monitoring and display of operating trends (graphs).**
- **Continuous monitoring of operating conditions**
- **Customizable dashboard on web browser.**
- **Alarms by SMS or E-mails.**
- **Pre-Scheduled maintenance program.**

FIELDS OF APPLICATION



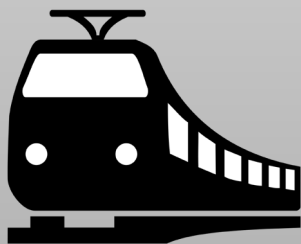
Oil & Gas



Iron, Steel production and foundries

Paper & Glass Production

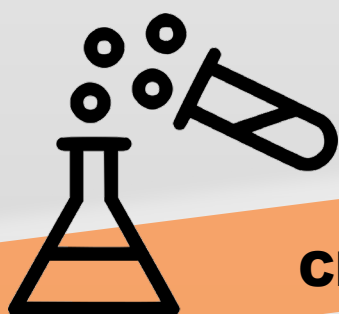
Cement factories and pharmaceutical industry



Metro, tunnel and Rails

FIELDS OF APPLICATION

Incinerators and waste-to-energy plants

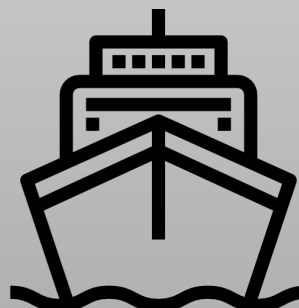


Chemical and fertilizer industries



Co-generation and energy generation plants

Naval Industries





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