



VACON® 1000 is a general-purpose drive suitable for a wide range of medium voltage applications. It is easy to integrate into the main control systems and adapts quickly to the specific needs of each situation.

These MV drives offer high environmental resistance to operate under harsh conditions, with high temperature, dust and humidity inside an electrical room. The VACON® 1000 drive complied with customer requirements such as compact footprint, low harmonic emission, high energy efficiency, and motor dU/dt requirements. Another relevant characteristic appreciated by the customer is the comprehensive connectivity options, the simple installation requirements, the intuitive and safe operation.

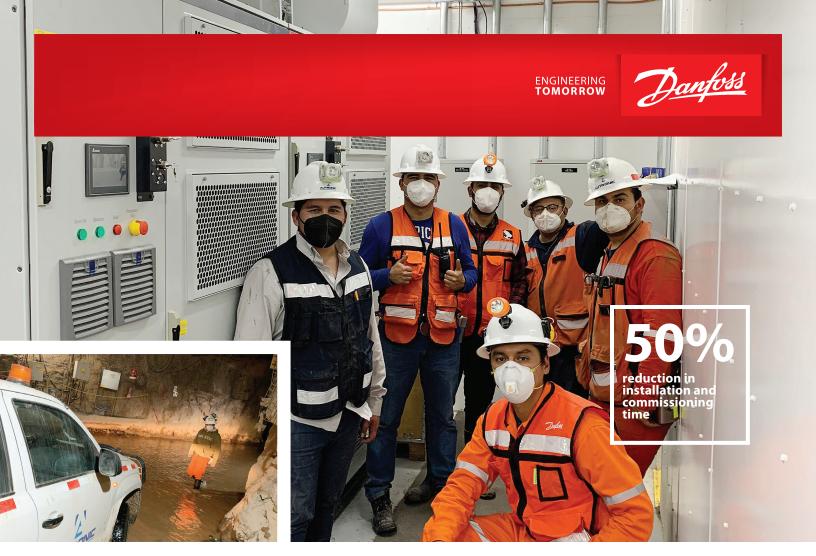
Availability of local technical support was also important for the customer.

Successfully pumping water from 400 m depth

This new generation of drives was installed in Mexico, and the mine became one of the first in the country to implement a solution of this nature to deal with pumping water from great depth.

Installing an effective water pumping system became a multi-phase project. Firstly, the diagnosis was made following on-site visits, then evaluation and Finally, the solution was installed and commissioned. In each of the phases, Danfoss worked together with the solution integrator and business partner Autronic. Their combined talents formed a multidisciplinary technical and commercial team, which initiated a process of constant communication with users to analyze the various phases of the implementation of the solution.





14 weeks from concept to commissioning

Thanks to this collaborative appraoch, the delivery and installation time was 14 weeks from factory acceptance testing to comissioning, a record time for projects of this magnitude. One of the great contributions to achieving this goal was the knowledge and experience of the Mexican technicians. Thanks to their flexibility, availability, and teamwork with the end users, it was possible to complete the project fast.

Danfoss technology was adopted immediately thanks to the fact that the technical doubts were resolved in their entirety: Working together with a multidisciplinary team of engineers, geologists, technicians and operators specializing in mining was one of the key factors for Danfoss, as an OEM supplier cooperated with solution integrator Autronic throughout the process: first providing training

to the client and then in the delivery, installation and commissioning of the equipment earlier than predicted. Generally, these types of solutions are carried out by foreign

personnel, so the implementation and service times are extensive. In this case, Danfoss offered immediate response, reducing delivery times due to the availability of local technicians in Mexico.

How fast can we help?

With focus on exceptional customer service, Danfoss completed in two days what other providers normally take 3 or 4 days to achieve. The team had a straightforward way of working, open communication, and total transparency with the customer. Complete alignment with high expectations made it possible to halve the time required for installation supervision, commissioning, and start-up.

About Autronic

This Mexican automation company and solution provider has extensive experience in the mining sector. Autronic is a large company with more than 25 years in the national and international markets, offering great experience and commitment



Any information, including, but not limited to information on selection of product, its application or use, product design, weight, dimensions, capacity or any other technical data in product manuals, catalogs descriptions, advertisements, etc. and whether made available in writing, orally, electronically, online or via download, shall be considered informative, and is only binding if and to the extent, explicit reference is made in a quotation or order confirmation. Danfoss cannot accept any responsibility for possible errors in catalogs, brochures, videos and other material. Danfoss reserves the right to alter its products without notice. This also applies to products ordered but not delivered provided that such alterations can be made without changes to form, fit or function of the product. All trademarks in this material are property of Danfoss A/S. All rights reserved.