

ENGINEERING
TOMORROW

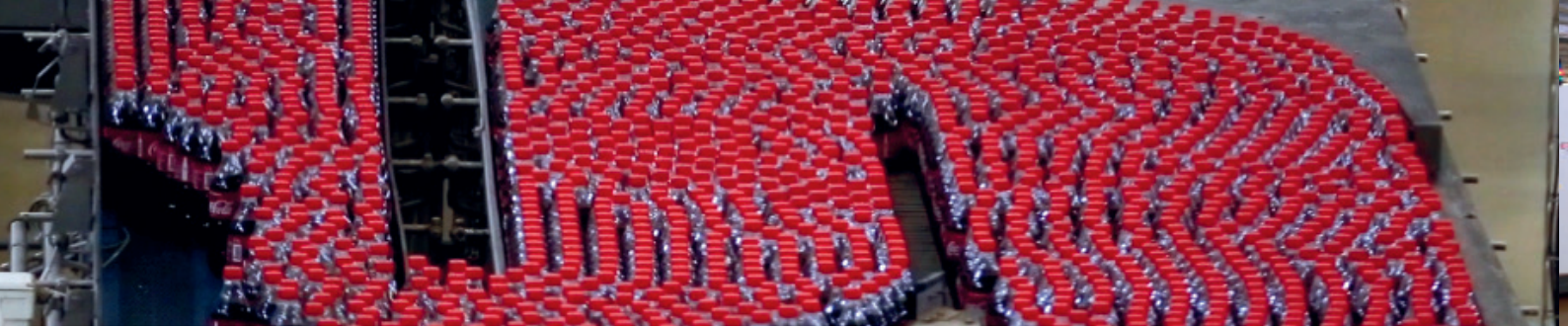
Danfoss

Case Story | DrivePro® Life Cycle services

Coca-Cola FEMSA enjoys **more uptime** with DrivePro® Services

16.2%

reduction in energy
consumption for
industrial processes



Bottling lines at the Coca-Cola FEMSA bottling factory in Maringá.

DrivePro® Services: high productivity and efficiency for Coca-Cola FEMSA

The DrivePro® Services program offered in Brazil ensures the maximum productivity level of the bottling lines in the Coca-Cola FEMSA factory in Maringá, Paraná.



VLT® drives control the speed of the bottling line conveyors, both decentrally



... and centrally mounted.

Challenges of high productivity

The Maringá plant, one of the 11 Coca-Cola FEMSA factories that service more than 72 million consumers in the country, is a pioneer in the adoption of practices encouraged by the LEED certification, a program of the U.S. Green Building Council.

High productivity with energy efficiency is one of these practices, achievable thanks to the utilization of technologies and equipment that enable the responsible teams to maintain the production line operation without unexpected stoppages or wastage.

The greatest challenge is keeping the machines working at their full productive capacity, through the refined electronic speed control of Danfoss VLT® drives, without unplanned downtime. That requires:

- efficient preventive maintenance
- constant presence of qualified technicians
- agility in troubleshooting and equipment or part replacement



“DrivePro® Services bring numerous benefits. The preventive maintenance, ranging from small retightening of connections to a complete analysis of the drives, gives us more confidence in relation to our processes”, explains Anderson Ponchak, Maintenance Supervisor, Coca-Cola FEMSA



Greater reliability and numerous benefit

Danfoss Drives is the perfect partner when it comes to AC drives and specialized service for preventive maintenance. In the Maringá factory, the 450 VLT® drives, which are present in three Coca-Cola production lines (PET, glass and can packages) and in a juice production line, are essential for the plant's operation. That is because they control the speed of the conveyor belts, to meet the productivity demands.



Danfoss presence in the factory

Prompt service is another determining factor for the optimal operation of the factory. That is possible thanks to the proximity of EPS Service, an exclusive and authorized partner of Danfoss, whose laboratories are located a few minutes away from the plant. The technicians are constantly present and replace parts swiftly when required. Since they can respond to service requests in just 20 minutes, Coca-Cola FEMSA staff can enjoy more peace of mind.

The DrivePro® Service Program offered to Coca-Cola FEMSA mainly involves the periodic cleaning of the VLT® drives and a technical checklist of equipment and facility analysis to detect potential issues. “Reliability is the keyword. In the first semester of

this year, for example, we did not have stoppages because of problems in the drives. Without the DrivePro® Service Program, it would not be possible for us to anticipate potential stoppage events”, affirms Juliano Ferreira de Lima, associate director of EPS Service.

The synergy with the maintenance team of Coca-Cola FEMSA is evident – and fundamental. That is because the EPS Service technicians also conduct training to qualify the professionals directly connected to the production line care.

“We manage to qualify our maintenance technicians so that, in everyday life, they are able to identify potential errors in the processes. The program also ensures the availability of replacement equipment”, adds Ponchak.



Coca-Cola FEMSA

Coca-Cola FEMSA, which is the largest bottling company of Coca-Cola products in the world, is present in ten countries. In total, it has 63 factories and 327 distribution centers, servicing more than 358 million consumers by means of approximately 2.8 million points-of-sale, and counts more than 120 thousand employees all over the world.

In Brazil, it is present in 48% of the national territory, maintaining 11 factories, 44 distribution centers, 24 cross-dockings and 21

cross-trucks. Its Jundiaí unit (São Paulo) is the largest in the world measured in terms of Coca-Cola products sales volume.

Coca-Cola FEMSA Maringá factory:

- 4 production lines
- LEED Certification
- 16.2% reduction in energy consumption in industrial processes – LEED Certification
- 450 Danfoss VLT® drives



Danfoss representatives collaborate with the Coca-Cola FEMSA maintenance team in decision making.



EPS Service delivers Danfoss DrivePro® services to the Maringá factory

Partners in decision making

The Maringá plant gains in efficiency because the representative technicians of Danfoss are not limited only to predicting, avoiding and solving problems, but they also help the Coca-Cola FEMSA technicians to make the best choices in terms of cost reduction.

“Besides the monitoring of each drive, they help us find the most economical solutions for the maintenance of our VLT® drives”, states Ponchak. For the Maintenance Supervisor, this is an additional demonstration that the DrivePro® Service Program helps the company explore new ways to work that increase the productivity of the operations, with the best possible results.

DrivePro® Service Program

Rapid service response and the regular presence of technicians in the Maringá factory are the strengths of the service to Coca-Cola FEMSA. Via the partner EPS Service, which maintains qualified professionals at the disposal of Coca-Cola FEMSA when required, Danfoss delivers a timely response to the plant’s needs.

“Reliability is the keyword. Without the DrivePro® Service Program, it would not be possible for us to anticipate potential stoppage events”, states Juliano Ferreira de Lima, associate director of EPS Service

The Coca-Cola FEMSA bottling factory in Maringá (Paraná) is the first site in the Brazilian soft drink industry to attain the LEED (Leadership in Energy and Environmental Design) certification. Energy efficiency is a hallmark of the plant, and the annual energy savings estimate is of 5.400.000 kWh. Coca-Cola FEMSA focuses

on innovating its processes, and therefore the Maringá plant works with specific technologies, such as Danfoss VLT® drives. Constant maintenance and availability of the whole line are provided by the DrivePro® Services program.