

Xylem solution provides comprehensive fire protection to Canadian paper pulp mill

Challenge

Valued at USD519 billion in 2019, the pulp and paper market is expected to reach USD680 billion by 2027¹. As this rapid growth continues, plant operators are doubling down on safety standards. Fire protection is a priority. Paper dust is highly combustible, leading to the risk of dust explosions at manufacturing facilities.

Operators of a paper pulp mill in eastern Canada recognized that their facility needed enhanced fire protection. The existing system consisted of a vertical turbine pump however facility managers were looking for more comprehensive protection that would meet the future demands of the mill and the peace of mind that it would bring.

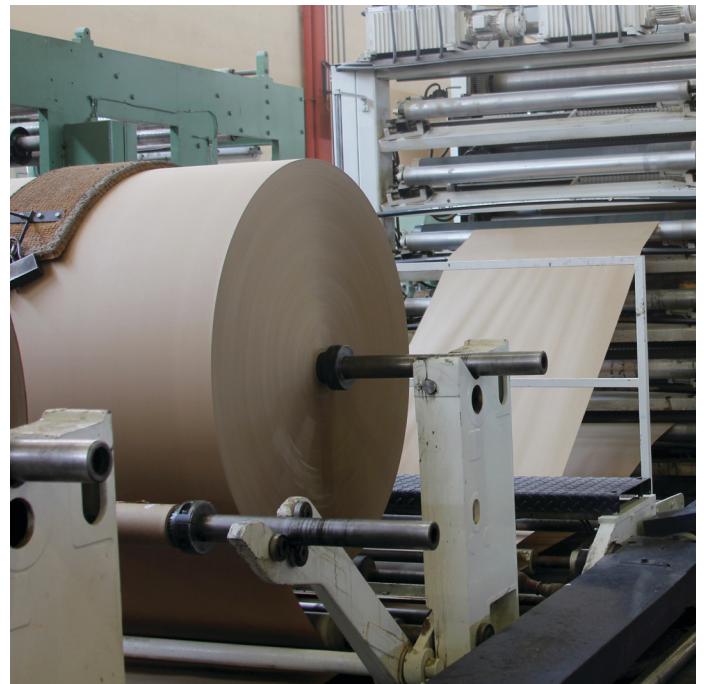
Solution

Xylem distributor Pompe Saguenay designed and installed a comprehensive fire protection solution consisting of an AC Fire Pump vertical turbine FP18DMC pump that delivered increased fire protection to the mill.

AC Fire Pump vertical turbines are designed for standpipe, sprinkler, chemical mitigation and hydrant systems. AC Fire Pump has been manufacturing fire pumps and systems since the 1880s and is a member of the National Fire Sprinkler Association (NFSA) and the American Fire Sprinkler Association (AFSA). A wide range of state-of-the-art fire pumps and systems, including prefabricated packages and house units, and space-saving designs that meet every fire protection need are available. Modular construction provides flexibility in selecting the right pump for each application.

Results

Xylem distributor Pompe Saguenay designed and delivered a comprehensive system on time, providing peace of mind to the mill operators. Operating at 3000 US gallons per minute (gpm), 160 pounds per square inch (PSI), the FP18DMC vertical turbine pump delivered increased capacity to the pulp mill which means that, in the event of a fire, the fire protection system has the capacity to run all sprinkler heads simultaneously to protect the complete facility.



CHALLENGE:

Develop a comprehensive fire protection system for a paper pulp mill in Canada.

SOLUTIONS:

- AC Fire Pump FP18DMC vertical turbine pump

PROJECT HIGHLIGHTS:

- Comprehensive system providing enhanced fire protection, delivered and installed on time.

¹<https://www.globenewswire.com/news-release/2020/03/16/2001325/0/en/Paper-and-Pulp-Market-To-Reach-USD-679-72-Billion-By-2027-Reports-and-Data.html>