

Ozone for pulp bleaching

Sniace S.A. Torrelavega Mill, Spain

SNIACE S.A. is a pulp mill located in Torrelavegas, Spain (close to Santander) with an annual production capacity of 66,000 tonnes of dissolving pulp from Eucalyptus. 40% is used in their own viscose plant. The remaining 60 % is market pulp.

SNIACE's cellulose is used for various applications: e.g. textile industry (viscose fibres), the chemical industry (acetate), industrial applications (light fittings, sanitary towels, insulators, cellulose film) and for household articles (floor cloths, sponges).

SNIACE is the only factory producing short fibre soluble cellulose in Europe. SNIACE has chosen the WEDECO ozone technology from Xylem to meet the high environmental targets from the European Union and received therefore European subsidies.

Project Details

Xylem supplied a containerized WEDECO ozone generator to SNIACE. The system was installed in February 2007 and successfully handed over in March 2007.

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The high annual availability proofs that the ozone technology is the perfect solution for the Pulp and Paper industry where availability is one of the major requirements for a successful operation of the complete bleaching line.

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The Xylem scope of supply included:

- **»** One containerized ozone system WEDECO PDO 6000.
- » Two catalytic ozone destructors type WEDECO COD 810, skid mounted, incl. water separator and gas/ steam heat exchanger
- » Skid mounted cooling water pumping /heat exchanger station

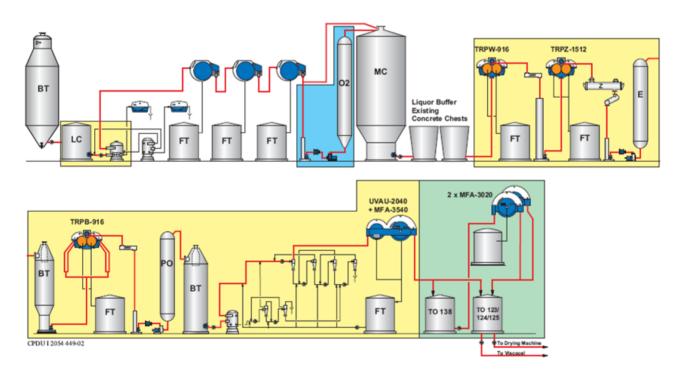
Containerized systems are an ideal solution for the outdoor installation needs of the site and offer the following advantages:

- **»** The entire ozone system is completely pre-assembled and tested at Xylem's factory in Herford, Germany.
- **»** No expensive housing and ventilation required as all containers are insulated and air-conditioned.
- » Minimizing of installation and commissioning time and cost on site with a "plug & play" concept
- » Considerable reduction of foundation work due to small foot print
- » Modular design makes a further extension of the system very easy
- » Effective noise reduction



Build-up phase of the containerized WEDECO ozone systems incl. liquid oxygen storage

Process Flow Chart



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