



# International Paper & Tissue Manufacturer 16 MW Combined Heat and Power Plant

## PROJECT INFORMATION

### CONCORD DIVISION

Power & Infrastructure

### PROJECT LOCATION

Circleville, OH

### MARKET

Manufacturing

### SERVICES

Engineer of Record

### CONSTRUCTION COST

\$38 Million

## ABOUT THE CLIENT

Major international paper and tissue manufacturer that has invested \$400M in their Circleville, OH production plant. The new facility developed for this project is the sixth manufacturing location in the US and was recognized by President Obama in the 3<sup>rd</sup> Annual Select USA initiative, with the theme "The Innovation Advantage". The plant has a total production capacity of 140,000 annual tons and generated approximately 700 new jobs in Ohio.

(856) 427-0200  
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## PROJECT SUMMARY

Our client's new production plant is an industry leading tissue manufacturing facility with innovative machinery and a state-of-the-art CHP system.

## PROJECT HIGHLIGHTS

- Engineer of Record for Design, Installation and Start-Up of CHP and Auxiliary Boiler Systems
- Heat Recovery Systems utilizes both direct exhaust heat & generated steam to supply thermal energy to the production process.
- Combustion Turbine Exhaust passes through extractor hoods used to dry rolls of paper before entering a fired heat recovery boiler to produce steam.
- (2) separate 8MW CHP Plants provide a significant portion of the facility's total electricity and thermal demand.
- Concord furnished safety panels to monitor and control exhaust components during sequencing phases for start-up purge, normal operation and shut-down.
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