

# EASTMAN GASIFICATION SERVICES COMPANY

Your partner in the technology of choice

## COAL GASIFICATION IS HIGHLY RELIABLE

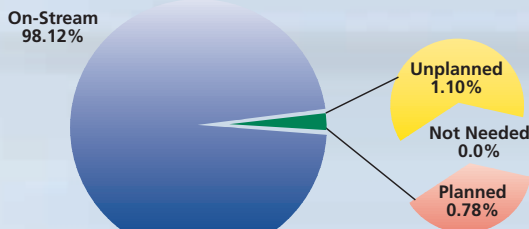
### ON-STREAM AVAILABILITY

Eastman Chemical Company has successfully operated a commercial coal gasification facility for 20 years—longer than any company in the nation. So when it comes to discussing the reliability of coal gasification-based plants, we're in a unique position of proven experience.

And that experience applies whether you're talking about running a coal-to-chemicals manufacturing plant like Eastman's or a coal-to-electricity power plant. Why? Because the critical coal gasification block/portion of the overall process is the same for either output.

Since 1984, Eastman's gasification system in Kingsport, Tennessee, has achieved an average on-stream availability of 98 percent. Even during the initial startup year, the system was on-stream 91 percent of the time. Most remarkably, the forced outage rate is currently averaging one percent, making it the most reliable gasification system in the United States. While this extraordinary performance is due in part to the fact that the system has two gasifiers (one unit always serving as a "hot standby"), the single gasifier availability rate is estimated to be an industry-leading 90 percent.

### Eastman Operating Statistics Three-Year Cycle (Sept. 2000 - Sept. 2003) including planned shutdown



Industry-Leading Performance

### HOW CRITICAL IS GASIFIER AVAILABILITY?

Consider this: The ability to generate synthesis gas is mission-critical to Eastman's 8,000-employee based Kingsport site. A large percentage of our products depend upon daily and consistent gasifier availability—so expert management of that process is a high priority.

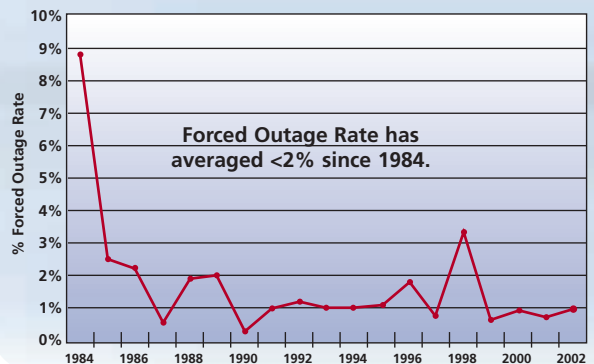
### ON-STREAM PERFORMANCE

Eastman has dramatically increased performance of the coal gasification system over the last two decades. Time between switches has increased more than eight-fold. Annual maintenance costs for the gasification system have decreased significantly.

### SUMMARY

As a key stakeholder in coal gasification, Eastman fully understands your need to have a process that is highly reliable and consistently available. With a 20-year record of proven performance, we are ready and able to deliver such capability to your process.

### Eastman Gasification Plant Historic Forced Outage Rate



Forced Outage Rate has averaged <2% since 1984.

If you're ready to initiate a gasification project or would like to learn how you can optimize an existing plant, call an Eastman representative today or visit Eastman Gasification Services online at [www.gasificationservices.eastman.com](http://www.gasificationservices.eastman.com).

CALL US AT 800-EASTMAN, EXT. 1740

**EASTMAN**

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