

egc system upgrades



low-cost • guaranteed • retrofits & upgrades • financing



evaporative gas cooling applications

BoldEco is continually advancing the state-of-the-art in Evaporative Gas Cooling (EGC) technology as a result of over 20 years of experience and continuing R&D efforts. The resultant technological advances allow for upgrades and retrofits of older, less efficient and less effective systems.

These applications include evaporative gas cooling, humidification, SNCR DeNOx, chemical injection, gas scrubbing, combustion and wherever there is the need for small, uniform droplets and energy savings, in markets such as cement, steel, incineration, waste-to-energy, foundry, non-ferrous metals, power, chemicals and other basic industries.



equipment financing

Financing is available for complete systems as well as for retrofits and upgrades. No payments are required until the system or retrofit is fully commissioned. Terms of financing range from 5 to 10 years and qualify off balance sheet as an operating expense, which may provide additional tax benefits.



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advantages of BoldEco EGC upgrades

BoldEco's state-of-the-art atomization technologies are comprised of maintenance friendly components and designed to withstand harsh industrial environments and high process temperatures.

Our experienced engineers have successfully replaced older, less efficient systems by implementing a three-pronged strategy that has furnished positive results for our customer base:

Implementing best-in-class technology:

- Most efficient dual-fluid atomization technology allows for best performance with low energy consumption
- Innovative hybridization between mechanical atomization and low pressure-high volume air assist results in lowest cost retrofits of high pressure atomization systems
- Reduced human input and error by implementation of innovative monitoring techniques and predictive controls

Utilizing state-of-the-art technological tools:

- Advanced numerical modeling systems ensure optimal gas flow modifications
- More predictable performance

Cross-breeding success across different markets:

- Incorporation of technologies from one field of application to another maintain lowest cost of implementation while providing latest technological approaches
- Our many years of experience in several different processes allow for leveraging of synergistic processes for additional beneficial use of existing equipment (multi-pollutants)

features of BoldEco EGC retrofits

- Lowest energy consumption
- Smallest, most uniform droplet sizes
- Capable of withstanding the harshest environments
- Latest technological advancements
- State-of-the-art process controls



system performance evaluation

BoldEco maintains an a team of experienced, multi-discipline inside and field service engineers capable of evaluating system performance at competitive rates utilizing the latest numerical models and testing technologies.

program highlights

- low capital and operating cost
- small, uniform droplets
- reduced air consumption
- rugged, flexible design

Available exclusively through:

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