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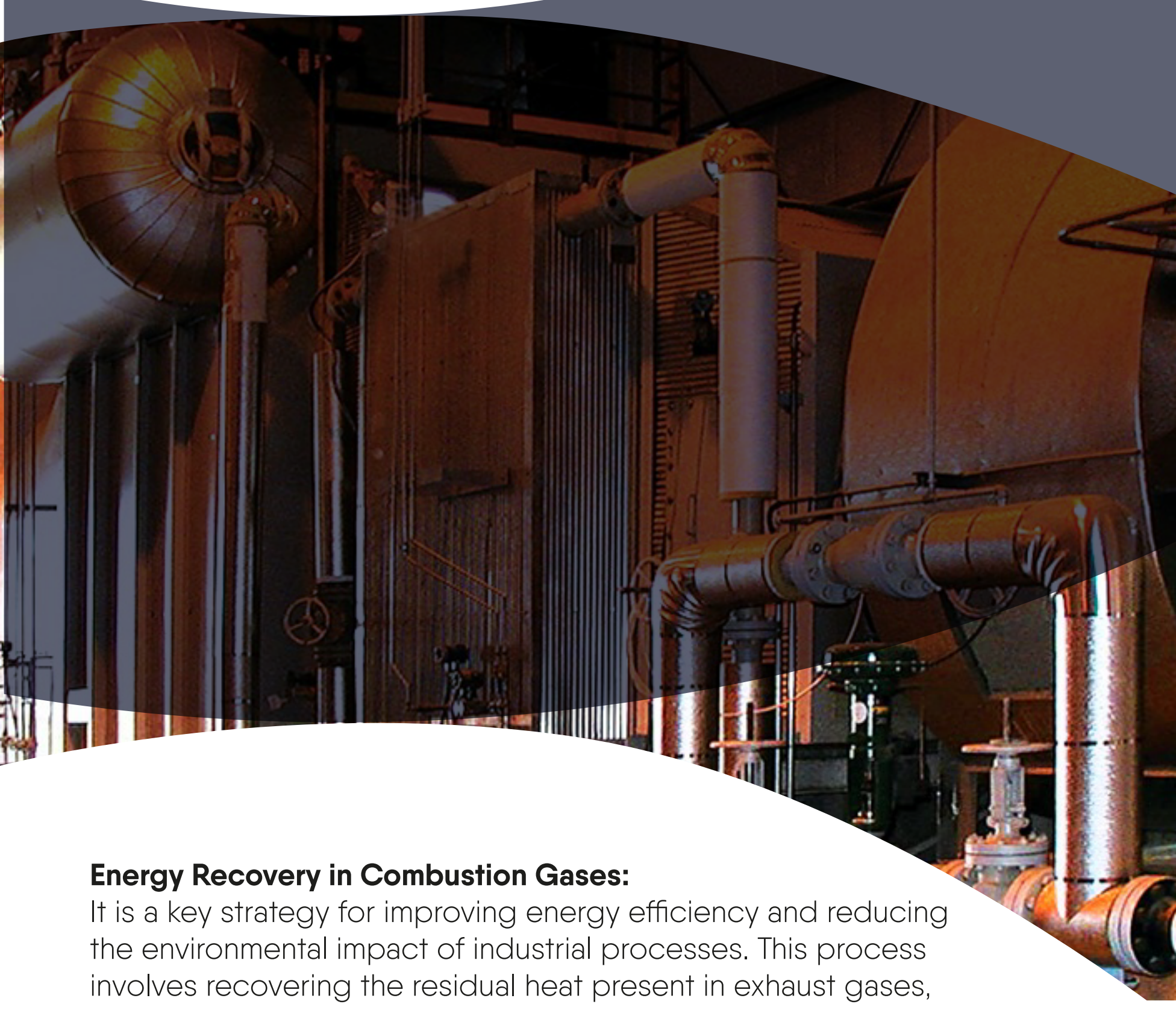
Progressive Energy Services International



Energy Recovery in Combustion Gases:
It is a key strategy for improving energy efficiency and reducing the environmental impact of industrial processes. This process involves recovering the residual heat present in exhaust gases, which would otherwise be lost to the atmosphere. Our technologies offer efficient and sustainable solutions to harness the recovered energy and optimize the use of energy resources.

HRSG (Heat Recovery Steam Generation):

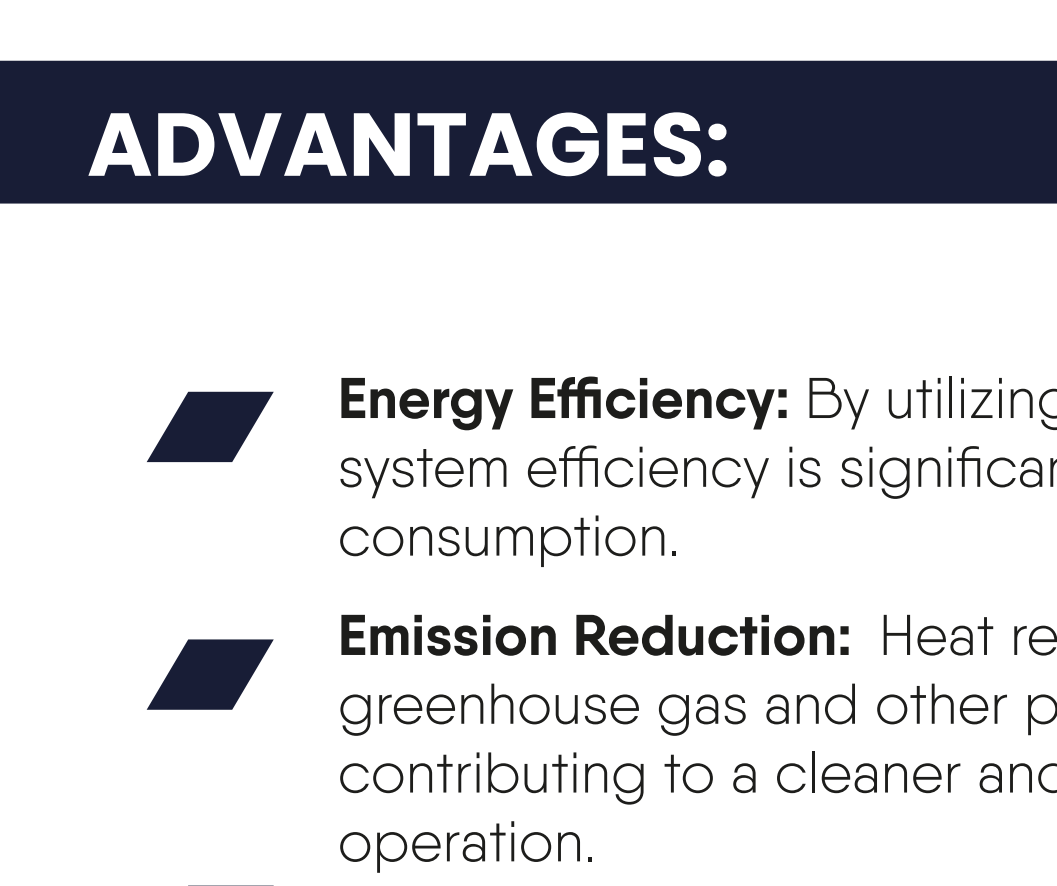
HRSG is an advanced technology that allows the recovery of heat from process gases, converting it into steam. This process is fundamental in cogeneration and combined cycle plants, where the goal is to maximize energy efficiency and minimize pollutant emissions. However, there are various applications where this solution can also be implemented.

Alternate Recovery Sources:

- **Industrial Furnaces:** Exhaust gases from high-temperature furnaces can be channeled through an HRSG to generate steam.
- **Hoods on Tissue Machines:** Gases emitted at high temperatures and high humidity contain a significant amount of energy to generate steam with an HRSG and can be integrated with an additional burner to significantly increase steam generation.
- **Any process that burns natural gas....**

ADVANTAGES:

- **Energy Efficiency:** By utilizing residual heat, the overall system efficiency is significantly improved, reducing fuel consumption.
- **Emission Reduction:** Heat recovery decreases greenhouse gas and other pollutant emissions, contributing to a cleaner and more sustainable operation.
- **Flexibility:** HRSG systems can be integrated into various industrial and power generation applications, adapting to different scales and requirements.



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