

NUESTRO COMPROMISO CON LA CALIDAD

En Ingeneo, la calidad es el eje sobre el que desarrollamos nuestros proyectos.

Nuestro objetivo es alcanzar la excelencia en todos y cada uno de los aspectos que envuelven nuestro trabajo y la satisfacción de nuestros clientes.

OUR COMMITMENT TO QUALITY

In Ingeneo, quality is the axis in which we develop our projects.

Our goal is to achieve excellence in each and every one of the aspects that involve our work and the satisfaction of our customers.



EQUIPOS DE COMBUSTIÓN
COMBUSTION EQUIPMENT



HORNOS INDUSTRIALES
INDUSTRIAL KILNS



INCINERACIÓN/CREMACIÓN
INCINERATION/CREMATION



RECUPERACIÓN DE CALOR
HEAT RECUPERATOR



TRANSPORTE Y MANIPULACIÓN DE SÓLIDOS
SOLIDS CONVEYING AND HANDLING



SOLUCIONES DE VAPOR
STEAM SOLUTIONS



MATERIALES RFRACTARIOS
REFRACTORY MATERIALS



DEPURACIÓN DE GASES
FLUE-GAS CLEANING

INGENEO

Solving Industrial Challenges



SOCIEDAD ESPAÑOLA
DE CERÁMICA Y VIDRIO



INSTITUTO DE LA INGENIERIA
DE ESPAÑA



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OXYECCO™

OXICOMBUSTION ALTA EFICIENCIA

HIGH EFFICIENCY OXYCOMBUSTION

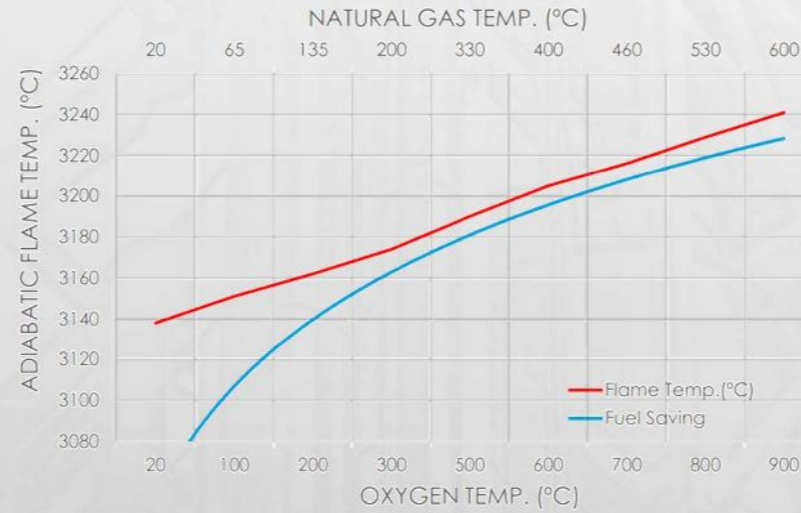
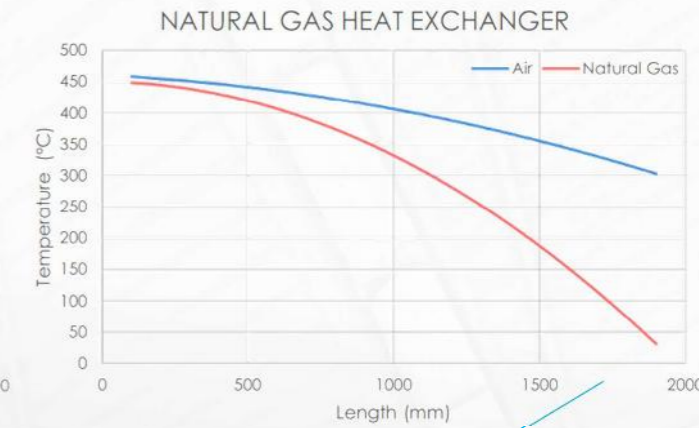
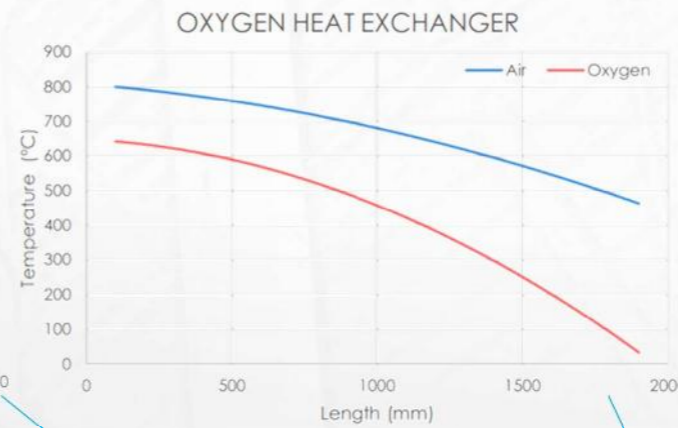
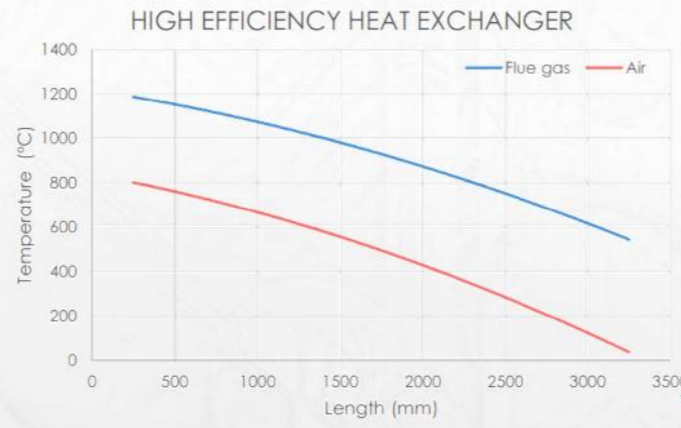
HIGH EFFICIENCY OXYCOMBUSTION

FACTS

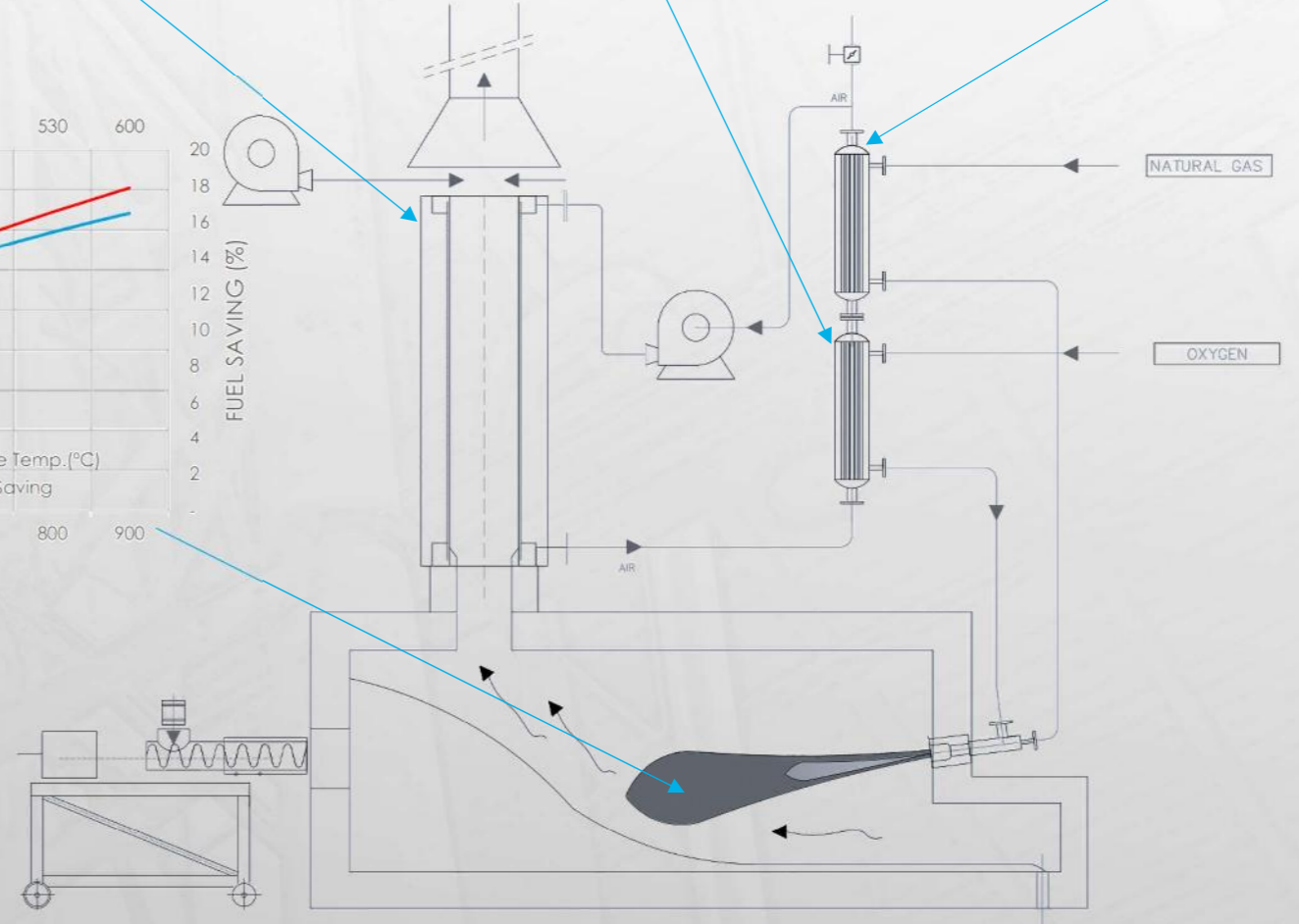
- ✓ **Higher enthalpy of gases**
 - Oxygen 650°C
 - Natural gas 450°C
- ✓ **Higher flame temperature**
 - Higher adiabatic flame temperature means higher heat transfer due to increased radiation effect.
- ✓ **Optimized flame geometry**
 - Better flame shape to bring the heat to where it is needed, as close as possible to the melting zone to increase efficiency.

RESULTS

- ✓ **Reduction of the carbon footprint of the process**
- ✓ **Over 13% savings in fuel and oxygen**
- ✓ **Easy integration into operating systems**
- ✓ **Green hydrogen compatible.**

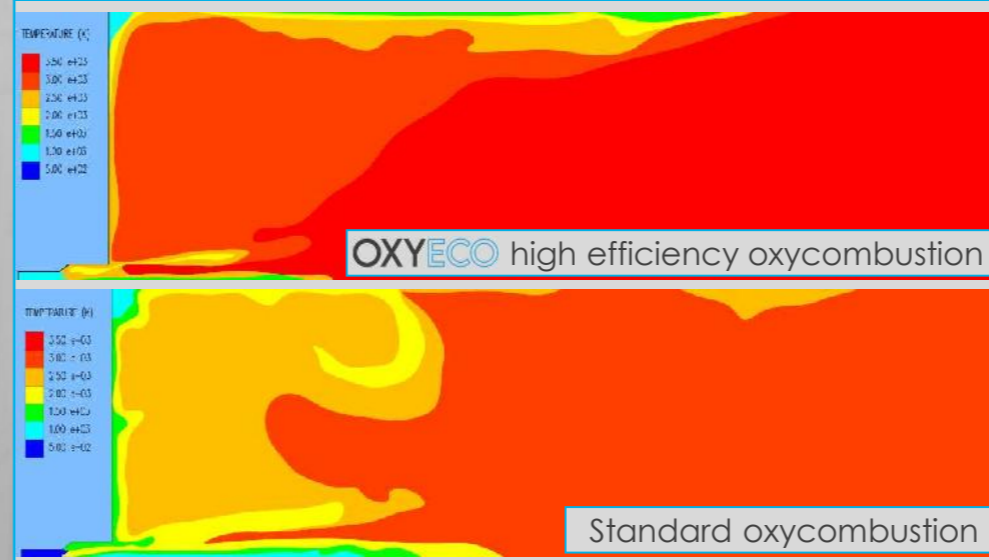


Engineering together more efficient processes

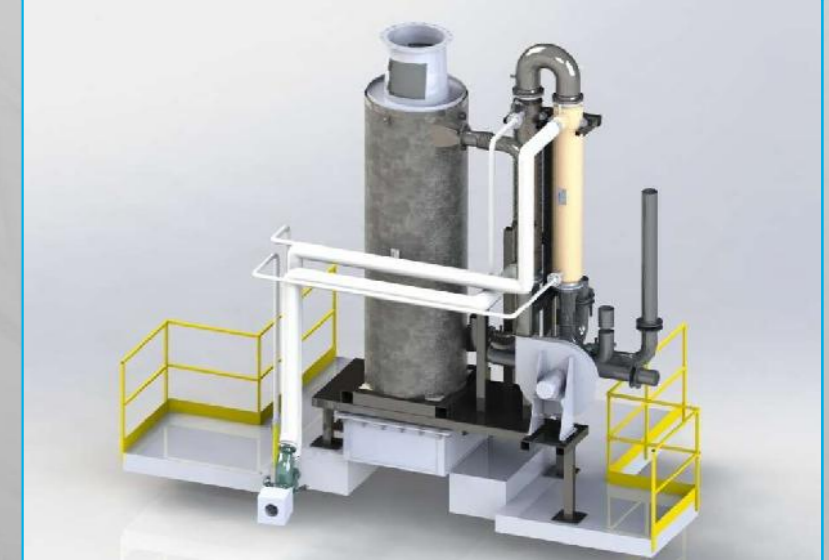


HIGH EFFICIENCY OXYCOMBUSTION

Thermal profile inside the frit kiln



OXYECO™



OXYCOMBUSTIÓN DE ALTA EFICIENCIA

OXYECO Standard models	NATURAL GAS		OXYGEN		FUEL AND OXYGEN SAVINGS (%)**	SUITABLE FOR (OXYCOMBUSTION KILNS)***
	FLOW (Nm3/h)	TEMPERATURE (°C)*	FLOW (Nm3/h)	TEMPERATURE (°C)*		
OXYECO 1000	50 – 150	450	100 – 300	650	13	OFK15, FK20, OFK25, OFK30
OXYECO 1500	100 – 250	450	200 – 500	650	13	OFK40 OFK50

* Inlet temperature fumes > 1000 °C
 ** Average values
 *** SUITABLE FOR FRIT KILNS, SODIUM SILIKATE KILNS, GLASS KILNS...