



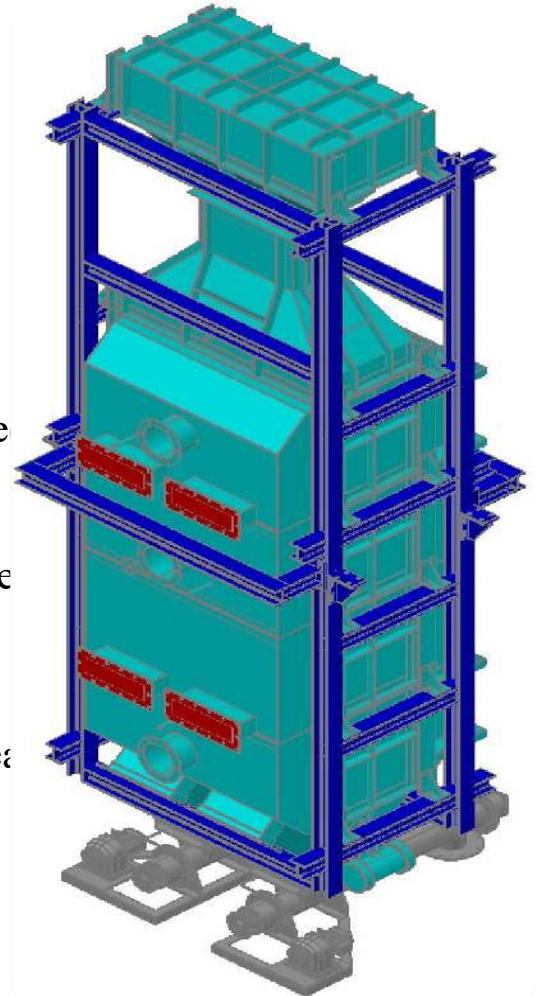
The cullet preheater developed by IFC is a revolutionary device for heat recovery, which uses exhaust gas of relatively low temperature to preheat the cullet, reducing the energy consumption by 10%.

IFC's cullet preheater is a hybrid type device which combines two preheating methods - **direct** and **indirect**.

With **indirect heating**, there is a partition wall which prevents the direct contact of exhaust gas and cullet, and the heat is transferred to the cullet through this partition. Indirect heating is needed because moisture contained in the cullet reacts with the exhaust gas, causing metal corrosion inside the device. For this reason, it is crucial to evaporate the moisture in the cullet and prevent condensation.

With **direct heating** the exhaust gas passes directly through the cullet and transfers its heat.

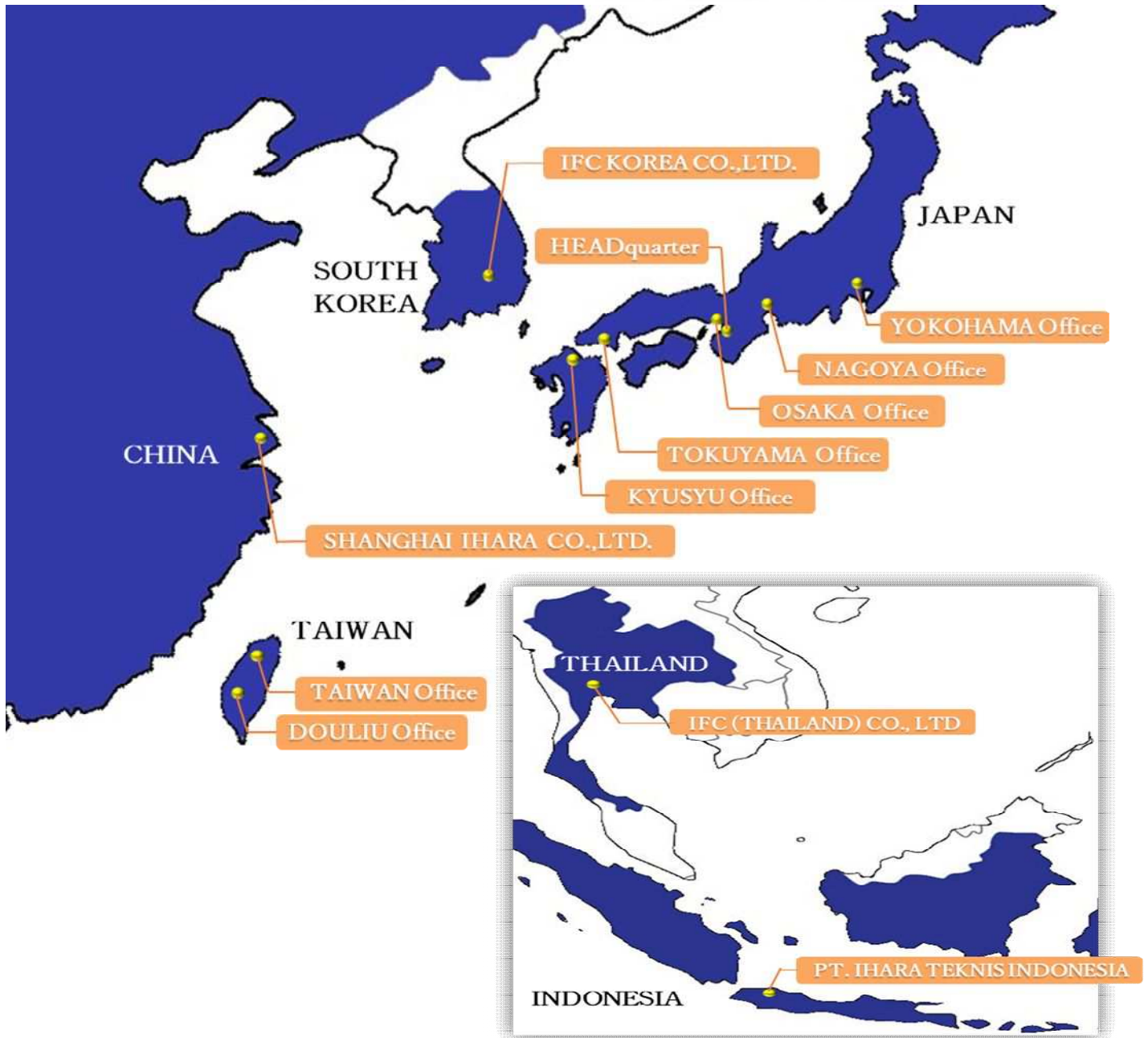
By combining two preheating methods, high heat recovery efficiency and long life of the furnace can be achieved.



FACTS

- Energy saving efficiency
 - 10% energy saving possible at 100% cullet usage rate
- Cullet type
 - Flint, amber, dark green - any type of cullet can be used without influencing the glass quality
- Quality of molten glass
 - No foam or undissolved substances have been discovered
- Return exhaust gas composition
 - No additional exhaust gas treatment needed

Domestic & Overseas Offices



CONTACTS

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