



Summary of XPlate™ Trials 08/07 – 04/08

| Company | Date | Fuel type / use | Background/Equipment | % Savings |
|---------|--------------------------------|-----------------------------------|---|---|
| A | 05/10/2007 - 21/12/2007 | Gas (LPG) XPlate™ | Large manufacturer of hot-rolled steel sheet in coils (HRC). Capacity of 2.4 million tons per year. Furnace burner, for the acid HCL making process | 7.52% improvement without any adjustment, results observed within 3 hours |
| B | 31/10/2007 – 21/12/2007 | Gas (LPG) XPlate™ | Manufacturing & Selling of Cold rolled steel sheets and Iron Oxide. Annual Capacity: 1.1 million ton. Furnace, heat to anneal the steel coil. | Saving 12.31%, with adjust the combustion ratio of (fuel : air) ratio at the burner |
| C | 27/03/2008 – 10/04/2008 | Gas (CNG) XPlate™ | Produce non-carbonated orange drink, soymilk. Uses an industrial gas boiler to produce steam. | Instant saving of 5.46 %. |
| D | 29/08/2007 – present | Gas (CNG) XPlate™ | Gas turbine – power plant Generating capacity = 121 MW (electricity) + 35 tons/hr (steam). | Positive feedback from site engineers. Awaiting full results from trial. |
| E | 01/09/ 2007 – 25/12/2007 | Fuel oil Clear mXt™ | Large steel manufacturer. Furnace burner, for reheating slab | Average improved fuel efficiency of 7.5%. Process use fuel oil 240,000 liters/day. Saving around 16,000 liters/day. |
| F | 02/04/2008 – | Fuel oil Clear mXt™ | Using boiler. For the production of green-tea beverage. 30 million | Fuel oil saving of 8.12% |



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| | 10/4/2008 | | bottles/month + 20 million box / month. Boiler, capacity of producing steam 5 tons/hour | |
| G | 18/12/2007 – 25/1/2008 | Coal XPlate™ | Large cement manufacturer using 2 rotary kilns for cement production. Each rotary kiln, for cement clinker production = 1,000 tons/day, normal coal consumption 200 tons/day | Saving 11.45%. |
| H | 15/2/2008 – 31/3/2008 | Coal XPlate™ | The biggest cement company in Thailand, and ranked 9 th biggest in the world. The company belongs to the King of Thailand. The rotary kiln has the clinker production capacity of 10,000 tons/day, normal coal consumption 2,000 tons/day It produces and supplies cement, ready-mixed concrete, concrete products, white cement, and refractory. | Saving 7.98 % at the main burner in their biggest site. |
| I | 7/2/2008 – 27/2/2008 | Coal XPlate™ | Rotary kiln, for cement clinker production = 5,000 tons/day, normal coal consumption 800 tons/day | Average saving 9.4% |