

Encon Awareness Training



Sector : Food

Thailand
(ECCT)

Cigarette Filter Co., Ltd

Energy Audit to look for ENCON measure



Energy Audit with the factory ENCON Team



Replace the Furnace by waste solid fuel Boiler



Pre Improvement

Boiler use diesel to produce steam 64,278 litre/year
(2,015,025 Baht/year)

Investment: **1,398,000** Baht
Energy Saving: **64,278.10** Litre/year
2,015,205.12 Baht/year
Payback Period: **0.69** year

After Improvement

Substitute diesel with waste filter by introducing the new boiler



ENCON Measure : Installed the **Variable Speed Drive** to control the waste heat ventilation motors. There are two drying machine for cloth Printing No. 1 and No. 2 with the waste heat ventilation blowers size of motor 3.7 kW each.



Pre Improvement

Energy Audit Finding : Waste heat ventilation blowers should be equipped with **Variable Speed Drive** to control the revolution of motor (50 Hz 1470 RPM)



After Improvement

Investment : **27,000.00** Baht
Energy Saving : **6,030.00** kWh/year
96,604.29 Baht/year
Payback Period : **0.28** year