

Temperature monitoring of annealing furnace

Location: National Tubes Ltd., Bangladesh

Process: Pipe manufacturing

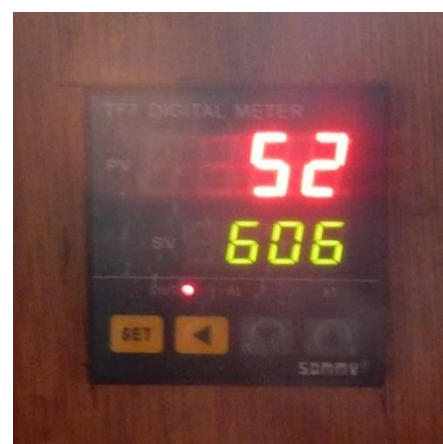
Before

- No temperature monitoring in annealing furnace was done
- Often annealing temperature exceeded the required range



After

- Temperature indicator on annealing furnace is installed for temperature monitoring
- Regular monitoring allows 2 out of 5 burners to be switched off for 0.5 hours every 2 hours of operation – resulting in fuel savings



Costs/benefits

Cost: BDT 6,000

Payback: 1.6 months

Annual savings: BDT 45,200

(Approx. 12,560 m³ of gas saved/annum)

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