

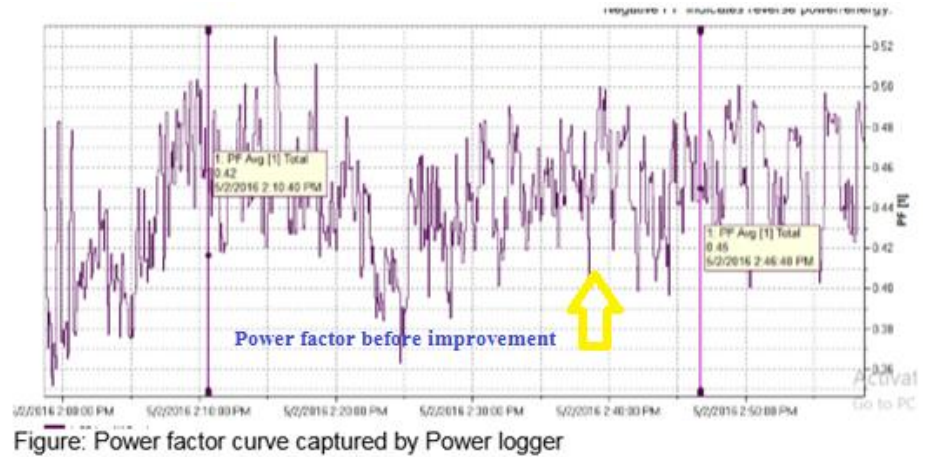
Energy savings through power factor improvement

Location: Inter Tech Pvt. Ltd., Nepal

Process: Fabrication and galvanizing

Before

- Grid supply to the industry had poor power factor, with recorded average power factor of 0.48



After

- The company installed an Automatic Power Factor Controller (APFC) of 98 kVAR rating in-line with the main panel
- Now the company is maintaining a power factor of 0.99



Costs/benefits

Cost: NPR 150,000

Payback: 9 months

Annual savings: NPR 93,000

(31 kVA/month demand reduction)

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