

Energy saving by replacement of incandescent bulbs

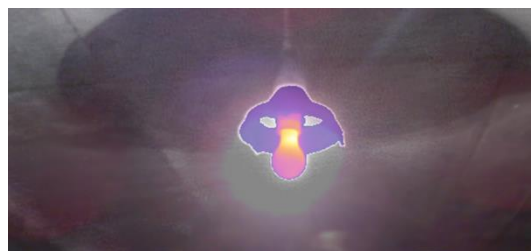
Company Code: UZ-FG-005

Location: Fergana, Uzbekistan

Sector: Milk processing and packaging

Before

- Two incandescent bulbs (150 W) were installed in the cold storage for lighting
- This led to higher energy consumptions not only by bulbs but also by chillers due to high cooling load because of additional heat generation by these bulbs



After

- Incandescent bulbs were replaced with LED lights (15 W)
- Energy consumption reduced not only due to energy efficient bulbs but also due to reduction in the cooling load
- Switching off bulbs when not in use led to additional energy efficiency



Benefits & Payback

Cost: UZS 80,000

Payback: 0.4 month

Annual Savings: UZS 2,721,600

Energy Saving: 6048 kWh electricity

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