

### Reduce 50% beer loss through to monitor production process at the Joint stock company of beer and soft drinks, **Thai Nguyen Province**

#### **Problems and causes:**

Lack of technical staff to supervise the process of beer production causes large losses of beer.

- Beer loss accounts 5% of total annual output.

#### **Economics:**

- Occurring costs: 9,000,000 VND
- Net savings: 126,000,000VND
- Investment: 0
- -Payback: Immediately





#### **Environment:**

Reduce waste, odor, air and soil pollution.

## **Organization:**

- To increase responsibility of workers
- To improve company's image and reputation with customers.

#### **Measures:**

- To recrute one more supervisor monitor to production process.
- -To develop the company's rules on hygiene issues and food safety.

- To reduce 50% of total beer loss amount.

#### **Health and safety at work:**

- To reduce occupational accidents
- Workers work in a healthy environment.





#### Save 60% of waste incense stick through collecting and recycling damaged incense stick during manufacturing process at the Tan Thanh Youth Cooperative



#### **Problems and causes:**

High number of waste incense stick (approximately 10%) due to handmade production



- Loss of 10 tons of incense stick, approx 80 million VND/year.
- Burning of waste incense stick causes cause smoke and dust pollution

#### **Economics:**

- Occurring costs: 15,000,000VND
- Net savings: 33.000.000VND
- Investment: 0 VND
- Payback: Immediate





#### **Measures:**

- -Request workers to collect, to clasify and to recycle waste incense stick.
- Draw liners for walking space and separate drying yard/area.
- -Provide additional masks to workers.
- Reuse 60% of waste incense stick.
- Reduce smoke and dust pollution due to burning waste incense stick.

#### **Environment:**

Reduce solid waste, smoke and air pollution

#### **Organization:**

- Strengthening management capacity
- Improve operational efficiency and image of cooperatives

#### **Health and safety at work:**

Workers equipped with masks, thus they avoid much amount of dust inhaled.





Increase usage efficiency of nilon fiber through the utilization of waste yarn to manufacture new products in Hong Phu textile and garment cooperative

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#### **Problems and causes:**

Amount of disorder and broken fiber during production process cover highest amount.



- Wasted fiber accounts 10% of total fiber amount per year (approx. 2,4 ton/ year) value 60 mil. VND/year



#### **Economics:**

- Occurring cost: 66 mil. VND
- -Net savings: 78 mil. VND
- -Investment: 100 Mil. VND
- -Payback: 15,4 months

#### **Environment:**

To reduce solid waste and smell of burning nilon fiber waste.

#### **Organization:**

- Enhance the reputation and image of the cooperatives by creating more jobs locally.

#### **Measures:**

To make 5 homemade spinning machines to produce wire ropes



- To reduce 90% of total waste nilon fiber.
- To increase income for cooperative members

#### **Health and safety at work:**

- Reduce the risk of fire.
- Workers to work in a safe environment and more fresh.

