

COMPANY BACKGROUND

- MM Vita oils Sdn Bhd was established in 1999 & located in Shah Alam, Selangor.
- It produces palm based products (cooking oil, ghee, shortening, margarine & pastry margarine)
- The company currently produces and exports 24 brands of quality edible oil products, with trademark registration in Malaysia, South Korea, China, India, Europe, USA, Uzbekistan, Africa and Japan, securing niche markets

OBJECTIVE

- To establish a model premise that implements CP generally.
- To show a real example of CP implementation to other SMEs

WHY MM VITAOILS WAS SELECTED

- The location is close to UPUM and DOE.
- Full commitment from top management.
- Competency and preparation of premise for the CP options implementation.
- Willingness to share experience with other premises on how to implement CP.

CP DEMONSTRATION PROJECT IN MM VITAOILS SDN. BHD. (2009-2010)



3. Install of Pneumatic Control Valve



4. Use semi-auto carton sealer machine



5. Upgrade motor pump with a high efficiency motor replace manpower



BT311 NEW HIGH EFFICIENCY PUMP

BT321 NEW HIGH EFFICIENCY PUMP

RESEARCH PROJECTS CONDUCTED:

1. Study on crystallization properties on different control measures.
2. Determine the optimization of energy usage in the cold room by replacing cooling fluid.

CP AUDIT FINDINGS

CP OPTIONS GENERATED:

A total of 254 CP options were generated; they include the following aspects:

1. Reduce / avoid wastage of electricity usage
2. Reduce & avoid wastage of water usage
3. Reduce & avoid wastage of raw material and utilities usage
5. Minimize production of reject products
6. Reduce risk in premise
7. Increase premise productivity
8. Reduce waste production (water, solid, schedule)
9. Use environmental friendly materials

AMONG CP OPTIONS IMPLEMENTED:

1. Increase pipe size to shorten material transportation time (1.5" to 2").



2. Add a by-pass piping system to avoid material going through unnecessary unit operation.



ACTIVITIES AT PREMISE

1. Planning & discussion
2. Team formation
3. Audit preparation
4. Training & promotion
5. Conduct audit
6. Generate CP options
7. Prioritize CP options
8. Research & collect technical data
9. CP options implementation, monitoring, evaluation
10. Assist in getting extra funding
11. Assist in participation of several awards
12. CP implementation documentation

