



**Project Name**

Reducing the number of environmental pollution incidents.

**Site**

Jeddah

**Department**

Food Services-J

**Project Status**

Completed

**Project Start Date**

01-01-2018

**Project End Date**

08-31-2018

**Problem:** Why the project was needed?

Full protecting system of pest control is applied to prevent any pollution incidents might affect patients and staff safety, but we had received around 50 incidents regarding the environmental pollution (flies and insects) from January 2018 until June 2018.

**Benefits/Impact:** What is the improvement outcome?

- Contained or reduced costs
- Improved productivity
- Improved work process
- Improved cycle time
- Increased customer satisfaction
- Other (please explain)  
Click or tap here to enter text.

**Aims:** What will the project achieve?

Reduce number of incidents from (50), during the period from January 2018 through June 2018, to be (0) in the period of experiment starting from July 2018 through August 2018.

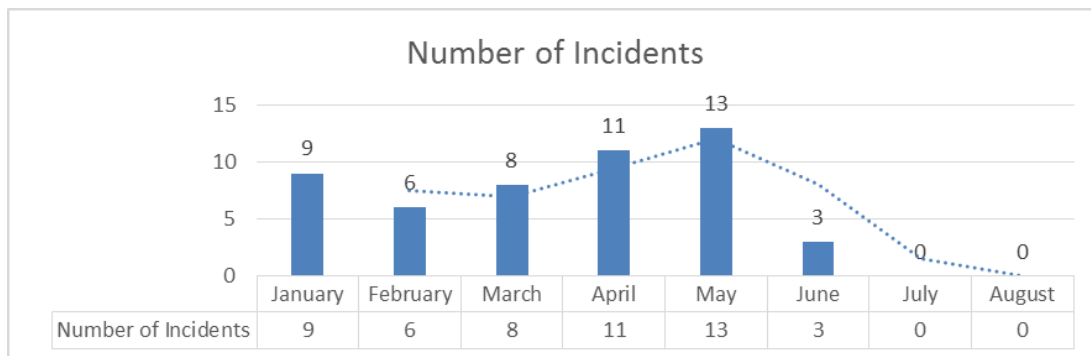
**Quality Domain:** Which of the domains of healthcare quality does this project support?

**Efficient**

**Interventions:** Overview of key steps/work completed

- After finding the source of the problem, we went through the wastes management control sheet, related to the quantities, for one-week period from Kitchen & Cafeteria. Then, a deep research had been done to find the appropriate solutions, as per the international standards. The best idea was to recycle the leftover food to organic compost with a special recycling machine.
- After that, we run an experiment with Food Waste Composting Machine. This machine transformed our wet wastes into organic compost within 4 to 24 hours, depending on the quantity of the leftover materials, by special process including microorganisms. Finally, the food wastes have braked down effectively, and the resulting compost was clean and hygienic, without dust nor bad odor leakage.

**Results:**



**Project Lead**

**Name**

Huda Muhy El-Din

**Team Members**

**Names**

Ibrahim Goulaghasi  
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Abdulsalam Gafur  
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