



Project Name

Preventive Maintenance Optimization (PMO)

Site

Riyadh

Department

Clinical Engineering Department

Project Status

Completed

Project Start Date

01-01-2017

Project End Date

12-31-2017

Problem: Why the project was needed?

Preventive Maintenance Optimization (PMO) is a structured process concerned with finding a proper way to optimize the maintenance activities through identification of the equipment risk factors, patient's and user's safety, maintenance requirement and evident based failures rate. The implementation of PMO will contribute to avoid random malfunction of medical equipment by refine maintenance tasks and intervals. Which will lead to better utilization of resources and improve effectiveness and efficiency of equipment maintenance strategy in line with maintaining the reliability and availability of the KFSH medical equipment.

Aims: What will the project achieve?

To optimize Preventive Maintenance (PM) process efficiently by eliminating non-value added steps as per evidence-based maintenance history; this has been achieved through reduction of PM hours done by at least 15% from 2016 before the end of 2017

Benefits/Impact: What is the improvement outcome?
(check all that apply)

- 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.

Quality Domain: Which of the domains of healthcare quality does this project support?
(Select only one)

Efficient

Measures: Performance metrics to be evaluated	Targets: Expected outcomes
PM Hours done (number)	15% Reduction from 2016

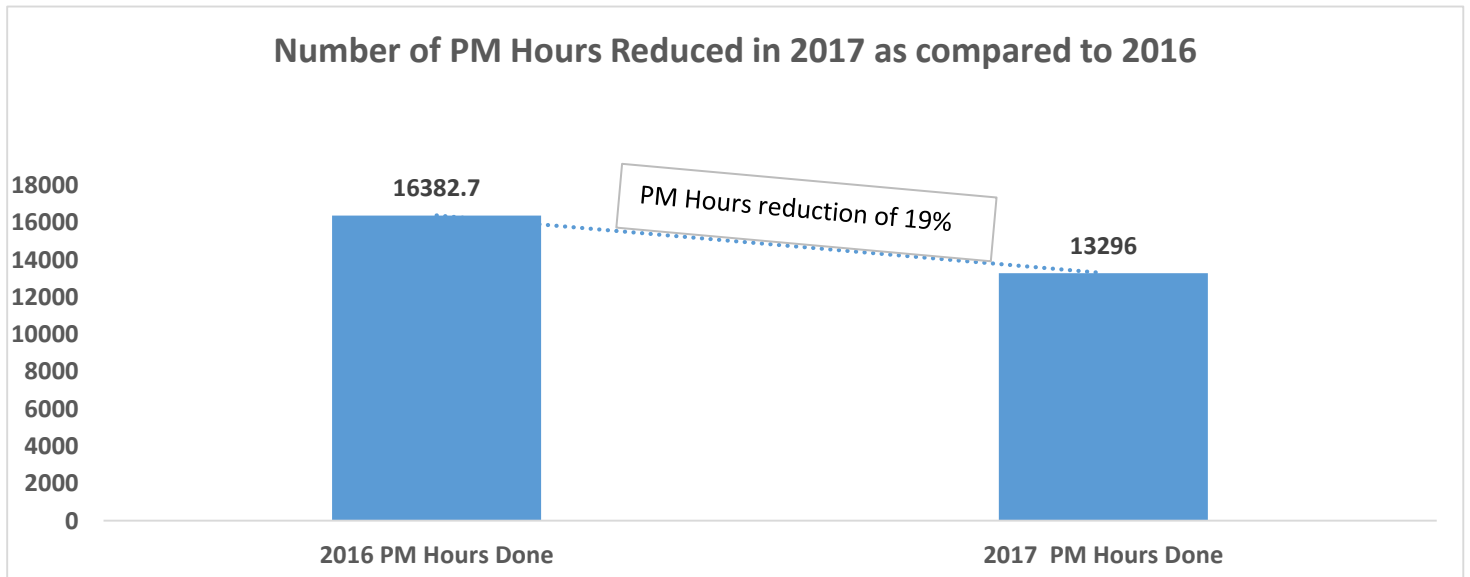
Interventions: Overview of key steps/work completed

- Classify Medical Equipment based on the 5 risk group and service years
- Revise Existing PM procedures, time, intervals and maintenance history
- Screen equipment subjected for Removal from PM schedules.
- Optimize Remaining PM equipment schedules and procedures

Results: Insert relevant graphs and charts to illustrate improvement pre and post project
(insert relevant graphs, data, charts, etc.)

As an immediate outcome CE refocuses 15% of PM total time gained from new PM interval which will be used to enhance the quality of the PMs through the new PM procedures and proper time to complete those procedures. In summary this has:

- Reduced 15% of PM workloads
- Refocused resources towards failure prevention maintenance activities.
- Reduced the ambiguity of maintenance tasks that are not clearly written.



Project Lead

Name

(person accountable for project)

Usama Hassan, Senior Clinical Engineer

Team Members

Names

(persons involved in project)

Suliman Al Sadoun, Chief Clinical Engineer
Waleed Abu Haimid, Chief Clinical Engineer
Yousri Okasha, Senior Clinical Engineer
Mohammad Jazzar, Senior Clinical Engineer
Suliman Hezien, Senior Clinical Engineer
Amr Maqsoud, Senior Clinical Engineer
Faraz Aziz, Senior Clinical Engineer
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