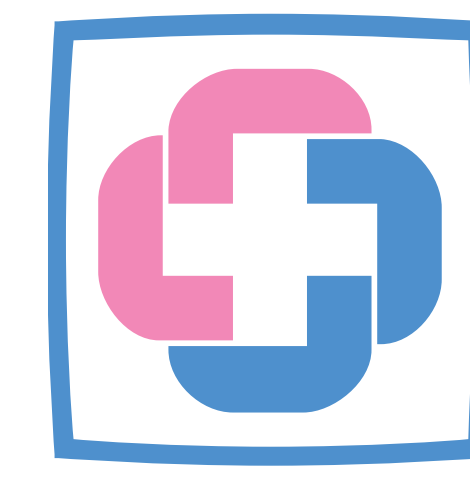




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# Autonomous Scrubber for better productivity and operational efficiency in healthcare cleaning



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## 1. INTRODUCTION



The autonomous Scrubber/Dryer is programmed to act on its own, independent of any controller. Its Technology is adopted from the robotics industry to enhance productivity for the cleaning industry.

The introduction of such a robot in KKH by UEMS Solutions Pte Ltd helps to address issues like increasing manpower costs, challenges faced in recruitment, an ageing population, and higher expectations in Healthcare cleaning.

## 2. OBJECTIVE

**To automate cleaning process to relieve manpower constrains, increase manpower productivity and improve operational efficiency.**

## 3. METHODOLOGY

Past Practice	Current Practice
Ride-on Scrubber/Dryer	Autonomous Scrubber/Dryer

## 4. RESULT

Location	Time savings
L1 + B1 corridors	105 hours per month
L2 corridor	75 hours per month
Total Savings from Ride-on Scrubber/Dryer: <b>180 hours per month = 1 FTE</b>	

### **Deploy staff (man-hr saved) to:**

- Perform housekeeping tasks in Children's Emergency @Rehab
- Support housekeeping requests from the wards in the night

## 5. CONCLUSION

The autonomous scrubber/dryer helps to:

- Relieve manpower constraints
- Increase manpower productivity and
- Improve operational efficiency